THE PHOTOGRAPHER'S CATALOG

Calumet photographic



$3.00

A MESSAGE FROM OUR PRESIDENT

PRIORITY

RUSH

Calumet
PHOTOGRAPHIC INC.

890 Supreme Drive
Bensenville, Illinois 60106

312/860-7447
TWX 910-499-7074

Dear Calumet Customer,

Many of you have taken the time to write to us when you're satisfied with our service, or, if we've made a mistake, when you're not. In either case, I want to thank you. These letters help us to isolate and correct problems. They also provide motivation for our people. Please keep writing because Calumet listens.

One of the things we've learned from all this listening is that our customers share many common and collective needs, and it is these needs that we are dedicated to fullfilling:

- **Quality Product Selection** — While our product selection is extensive, it is continuously expanding. You wanted a broader choice of view cameras, and now you've got it. Two completely new and exciting lines of large format cameras from Calumet and Cambo are being introduced here for the very first time. The Calumet Roll Film Holder is back in our catalog — *by popular demand!* You wanted a symmetrical/asymmetrical power supply with four head outlets to go along with the Calumet Studio Flash System, and we now have the **NEW PS4!** These, and other "Calumet Exclusives," including Caltar and LightRight, help make Calumet totally unique and different from any other professional photographic source, and they all are here because *you asked.*

- **In-Stock Availability** — When you call to order, it is generally because you need it now. We take your needs seriously, and we are committed to in-stock availability of all products listed in our catalog, at all times. While this goal is not always possible, it is a serious goal and we do our best to achieve it.

- **Toll-Free Technical Assistance** — Perhaps the best "listeners" at Calumet are our Technical Sales Representatives. Just like our toll-free telephone number is *not* "for orders only," our Sales Representatives are *not* simply "order takers." They are qualified and experienced photographers themselves who understand your product needs and technical problems.

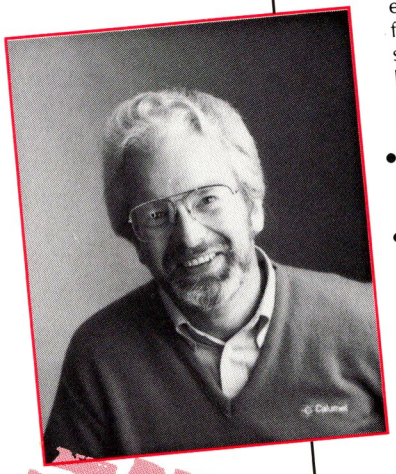
- **Competitive Prices** — With your busy schedule, you don't want to spend valuable time "shopping" for equipment. Yet, like any price conscious buyer, you want competitive prices *and* good service. Calumet makes "shopping" easy, since you don't even have to leave your studio to order, and doesn't expect you to pay a premium price for our professional services, or our products. We keep our prices competitive, and still provide premium service. While we make every effort possible to hold our published prices during the effective life of our catalog, they can change. They may go up or they may go down, but they are always fair and always competitive. We recommend that you use the prices in our catalog primarily as a guide, and that you call for confirmation when ordering.

Please keep your comments coming. At Calumet, you will always find people who understand and care about your needs, and who are *always* willing to listen. We enjoy hearing from you, and we hope you enjoy hearing from us.

Sincerely,

Robert F. Molitor

Robert F. Molitor
President



RUSH

RUSH

FIRST CLASS

to order

1-800-CALUMET

call toll free

1-800-225-8638

For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

in stock

AVAILABILITY

11,000 Professional Photographic Products.

toll free

TECHNICAL ASSISTANCE

Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

need it

YESTERDAY?

Special 24-hour delivery available. Call for details.

COMPETITIVE PRICES

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.

CONTENTS

Large Format 2-45

- View Cameras – 4 x 5 thru 8 x 10
- Field Cameras
- Large Format Accessories
- Large Format Lenses

Medium, 35mm & Special Formats 46-55

- Hasselblad, Bronica, Mamiya, Makina and Horseman
- Nikon and Minolta Systems
- Ultra-Wides, I.D. and Passport Cameras

Accessories 56-77

- Tripods and Studio Stands
- Professional Meters
- Camera Cases and Bags
- Filters and Accessories

Lighting 78-101

- Studio Flash Systems
- Location Flash Systems
- Portable Flash Units and Brackets
- Tungsten Lighting
- Video Quartz Lighting

Lighting Accessories 102-121

- Light Stands
- Background Supports
- Soft Boxes and Light Control Panels
- Umbrellas and Reflectors
- Clips, Clamps and Gels
- Copy Equipment

Darkroom 122-155

- Enlargers and Accessories
- Easels, Safelights and Timers
- Processing Equipment
- Stainless Steel Sinks and Processors

Storage and Presentation Supplies 156-161

- Viewers and Illuminators
- Archival Storage Materials
- Presentation Supplies

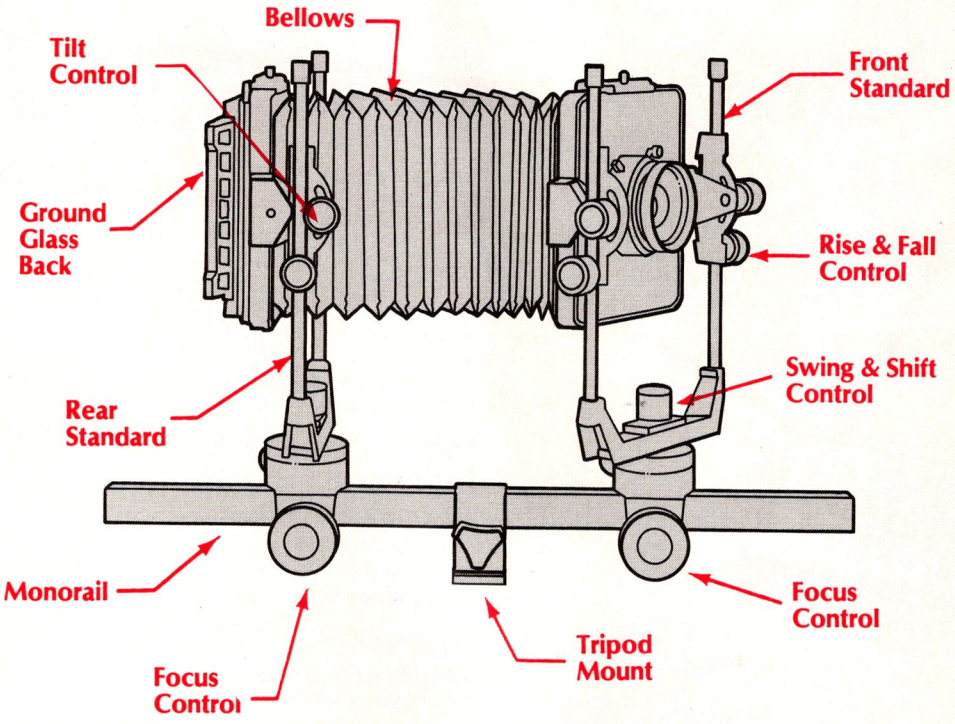
Soft Goods 162-170

- Film
- Paper
- Chemistry

Educational Resources 171-173

- Technical Books
- Business Books
- Instructional Videos

Anatomy Of a Monorail View Camera



You don't have to be a professional to appreciate the reliability, precision and versatility of the large format view camera. You just have to be serious about the quality of your photography. If you are, there's no limit to what you can achieve once you understand a few basic principles behind the techniques and capabilities of large format photography.

Large format—what it is and what it does

The term large format simply means big film size. Large format cameras use sheet film sized 4″x5″ or larger, with the most common film sizes being 4″x5″ and 8″x10″.

Why such a large film size? Because in photography, the bigger the film size, the better the quality. A larger negative produces better quality prints because it requires less magnification than a smaller negative would. For example, to create an 8″x10″ print from a 35mm negative, you must enlarge the print 8 times. If you had a 4″x5″ negative, you'd only have to enlarge it 2 times. And if you used an 8″x10″ negative, you wouldn't have to enlarge the print at all!

In addition, a larger negative offers a much greater range of tonal values and less apparent graininess due to the greater number of silver halides on the negative.

The advantages of the large format view camera

Although large format cameras come in many different sizes and designs, the most popular version is the view camera. This is due to its unlimited versatility, coupled with some very special features that make the view camera unique among all cameras for quality photography.

The key feature of the view camera is that **it moves.** Unlike small, rigid cameras, the view camera moves up, down, left, right, forward and back. These camera movements are called tilts, swings, lateral shifts, rising/falling front and rising/falling back.

It is by using these unique camera movements that you can achieve the total creative freedom needed to control vertical distortion, horizontal distortion, depth of field, perspective and composition. In addition to these creative "control" features, the view camera also offers the following advantages over smaller, rigid cameras:

1. Complete interchangeability of lenses. The view camera takes all standard normal, wide angle and telephoto large format lenses, in a range from 65mm to 1000mm and longer in focal length. The simple lens mounting system means virtually any lens can be used, regardless of size or focal length.

2. Multi-format versatility. Although a 4″x5″ view camera normally uses sheet film in cut film holders, the system can be easily adapted for the use of 120 roll film in 6x7cm or 6x9cm formats and instant films as well.

3. Zone System Exposure Determination. Only a large format camera allows you to expose one piece of film at a time. By thus controlling the amount of exposure and development for each shot, you can achieve optimum shadow, middletone and highlight detail.

4. Variety of Film Types. Because of the large number of different film types available, you can always choose the precise film you need for your purposes.

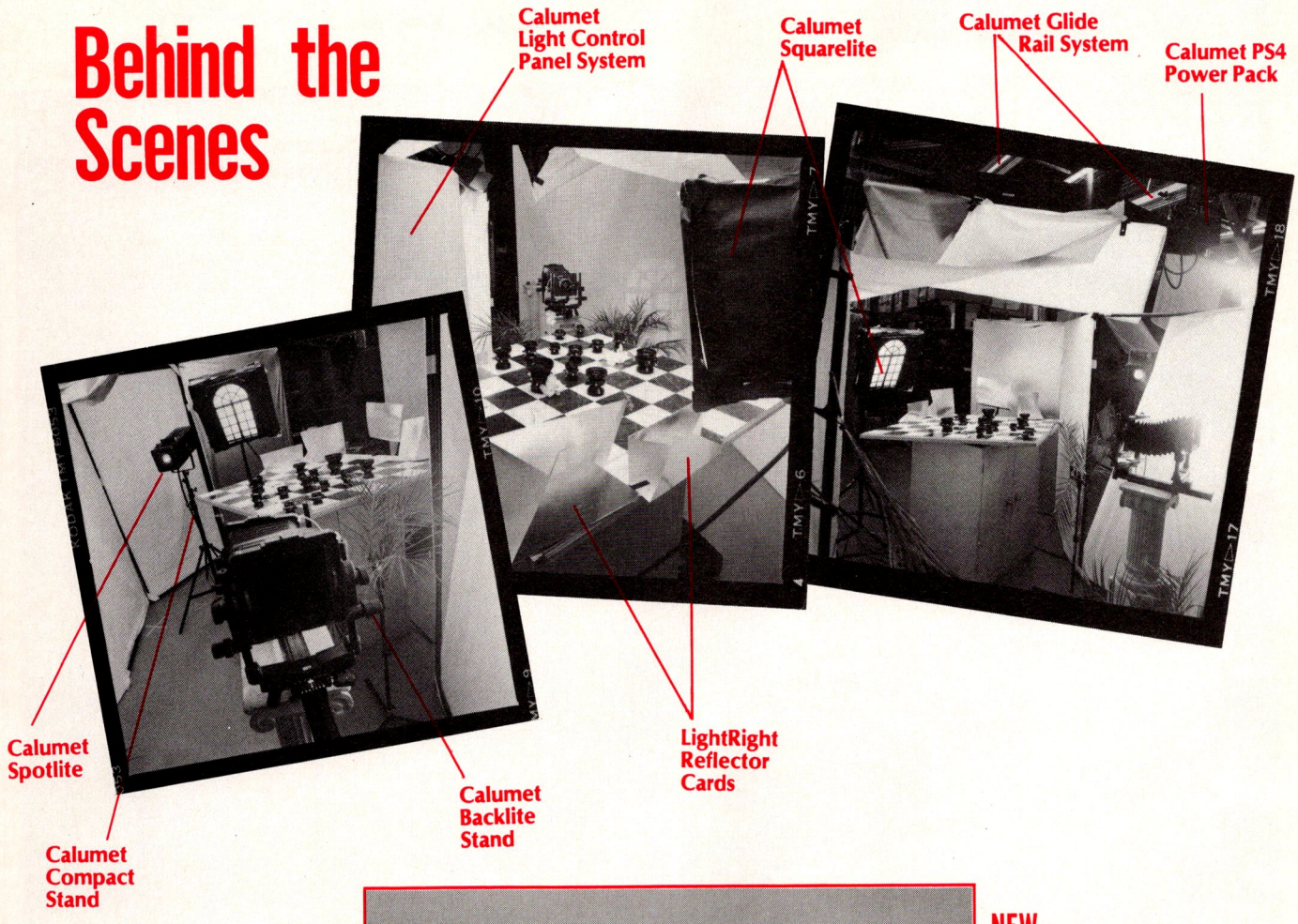
5. Macro Applications. Large format cameras permit macro or close-up photography without adding supplementary bellows or extension tubes. Most view cameras can achieve anywhere from a 1:1 magnification with a 210mm lens, up to 4:1 ratio with a 90mm lens. Yet if additional magnification is needed, usually a supplementary bellows can be added or a shorter focal length lens can be used.

6. Ground Glass Viewing. Unlike 35mm cameras, the view camera allows you to view the **exact** image you wish to produce on the ground glass back. This allows you to pre-plan your composition for individual or multiple exposures by simply outlining your subject on the ground glass with a grease pencil.

Should you be using a large format view camera?

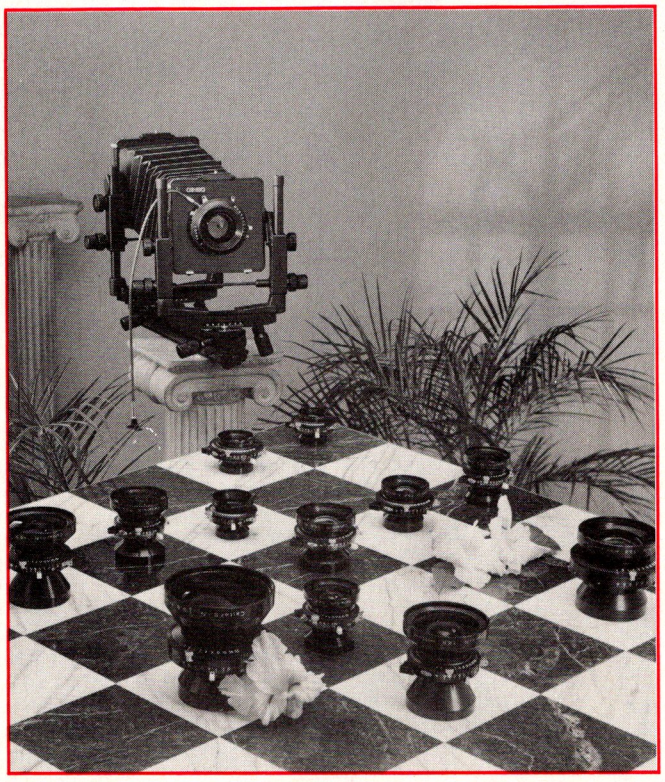
The answer depends upon the kind of photography you wish to do. Although professionals have known about the superior performance of view cameras for years, more and more non-professional photographers are discovering the surprising simplicity and ease of operation this most sophisticated of photographic instruments offers.

Behind the Scenes



Caltar II Lenses

As a counterpoint to the newest in large format photography, the 45SRX, we chose the classic Caltar II view camera lens line. These tradition-rich, West German lenses feature the finest optics on the market today – and the most reasonable prices! See page 37 for details on this extensive lens line.



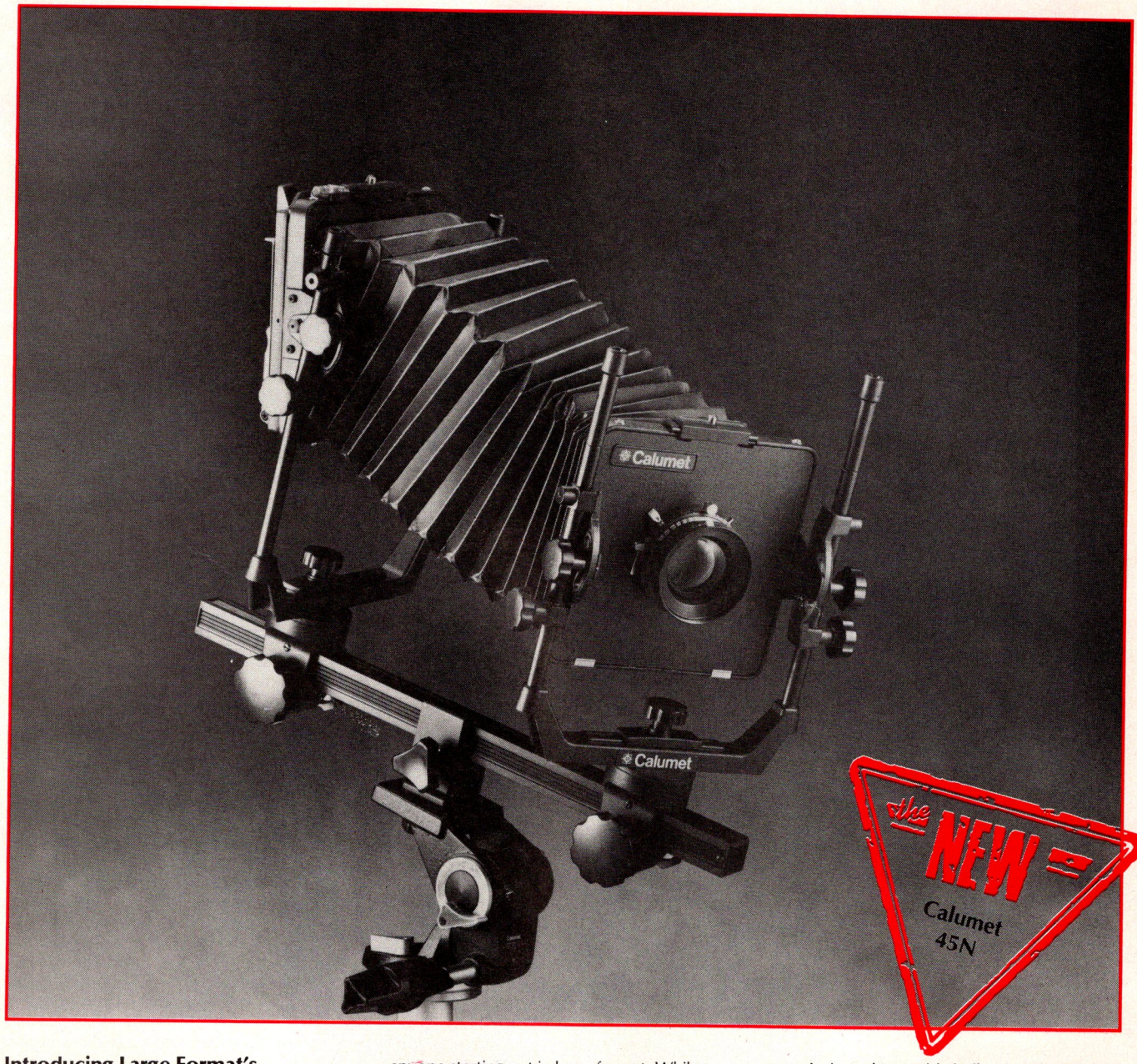
NEW
Cambo 45SRX

Since this issue of *The Photographer's Catalog* marks the "world premier" of new view camera lines from both Calumet and Cambo, we thought it appropriate to picture one of these exciting 4 x 5's on the cover. The Cambo 45SRX represents new standards in studio excellence. Its new monorail design, focusing system and movement controls offer extremely stable and smooth operation for even the most demanding pros. See pages 4 thru 11 for complete details on the 45SRX and its complementary supporting cast of cameras.

Cover: Susan Schwerin, *Creative Director;* Donald Ernest, *Art Director;* Monte Gerlach, *Photographer*

LARGE FORMAT
Calumet 45N

The Best Value Available in View Cameras !



Introducing Large Format's Newest Family

Professional photographers throughout the world have been trained on and used Calumet view cameras for over 30 years. For the very first time in Calumet's history, we are introducing a new series of large format cameras with "step-up" capabilities. Now you can start with the entry-level 45N, move up to the professional-level 45NX and, in either case, cross over to 8" x 10" with the 810N – ALL with full system compatibility and accessory interchangeability. And, in that same fifty-year tradition, Calumet's new family of cameras offer high quality craftsmanship and low quantity cost. They are, quite frankly, the best values available.

The Ideal Entry-Level 4 x 5

The Calumet 45N is the best buy in 4 x 5 for anyone starting out in large format. While there are cheaper cameras out there, they are just that; cheaper cameras. Whether you are a student of photography or a seasoned professional upgrading to large format, the 45N is designed to meet your needs for the moment AND is built to last for years to come. The 45N is both a solid view camera and a solid investment.

Full Movements/Full System

The 45N provides features and functions never before available from a camera in this price range. Its smooth movements are sufficient enough to handle either the most demanding table top shots or the most meticulous architectural interiors. Its all-metal construction is made for maximum stability and will withstand the rigors of daily studio use. Its interchangeable bellows and monorail capabilities lets you adapt to either wide angle work or close-up and macro requirements. Calumet's 360° revolving back allows changing formats from vertical to horizontal in one easy motion - without the risk of dropping, and breaking, the ground glass. The 45N's International Back will accept the new Calumet C2N, slide-in, 6 x 7cm roll film holder, all "Graflock" roll film backs for full format flexibility, from 6 x 7cm to 6 x 12cm, and all 4 x 5 Polaroid backs. Because it is compatible with the full Calumet/Cambo accessory system, the 45N will accept a wide range of practical and convenient components, such as compendium lens shades, reflex and in-line viewing hoods, bellows connecting frames and bellows supports, recessed lensboards, monorails and more. The 45N is truly a tool you will never outgrow.

Other Convenient 45N Features

- All solid metal construction structural parts are made of die-cast aluminum alloy
- Professional flat black anodized finish for minimum reflectance
- Interchangeable bellows
- Interchangeable monorail system
- 360° revolving back
- International lock spring back
- Precise friction focusing the entire length of the monorail
- Reversible front and rear standards
- Dual axis spirit level on rear standard
- Large 6⅜" lensboard
- Extensive accessory system
- Conversion capabilities up to 8" x 10"
- One-year warranty

45N Specifications

- Tilt: 60° with center detent (front and back) front tilt on optical axis
- Swing: Unlimited with center detent (front and back)
- Lateral Shift: 1.96" (50mm) front and back
- Rise and Fall: 3.74" (95mm) front and back
- Maximum extension: 18" with normal bellows. Unlimited with extension bellows and monorail sections
- Minimum extension: 2.59" (66mm) with recessed lensboard
- Lensboard: 6.37" x 6.37"
- Weight: 8 lbs.

Calumet 45N
4 x 5 View Camera

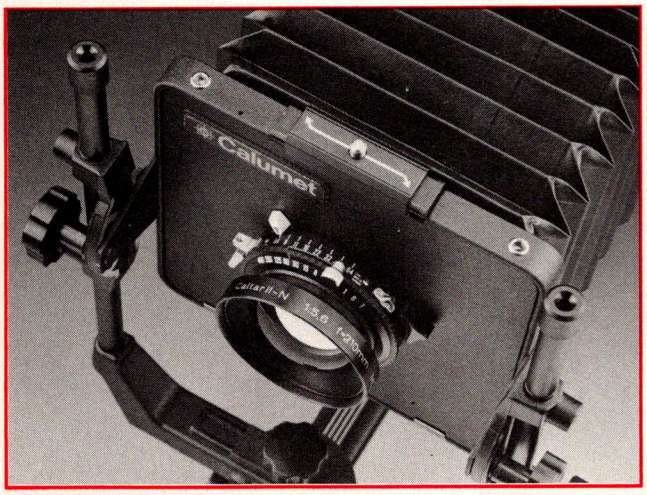
Includes: Camera body, bellows, tripod mount, and ground glass. Lens and lensboard not included.

CC4000 ..... **$299.95**

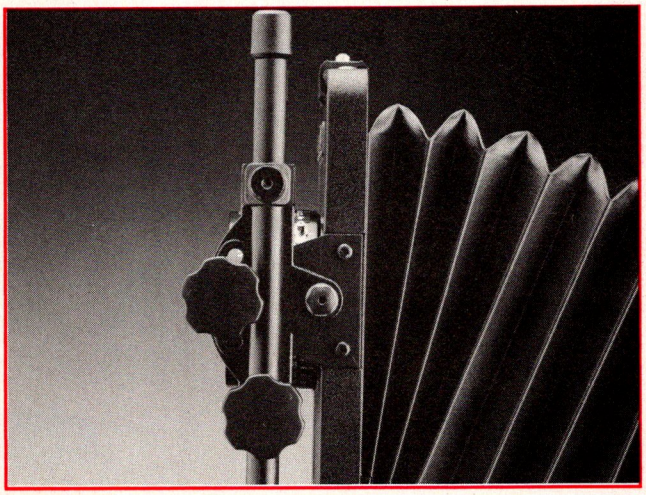
Flat lensboard for Calumet 45N

CB0508 ..... **$29.95**

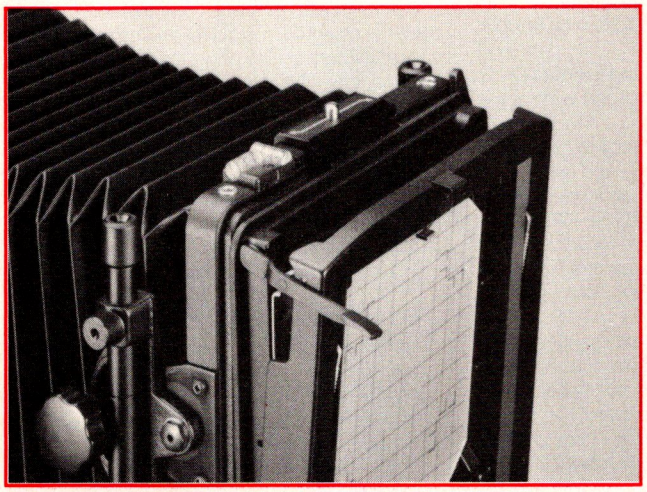
ACCESSORIES for the Calumet 45N
see pages 12 — 15.



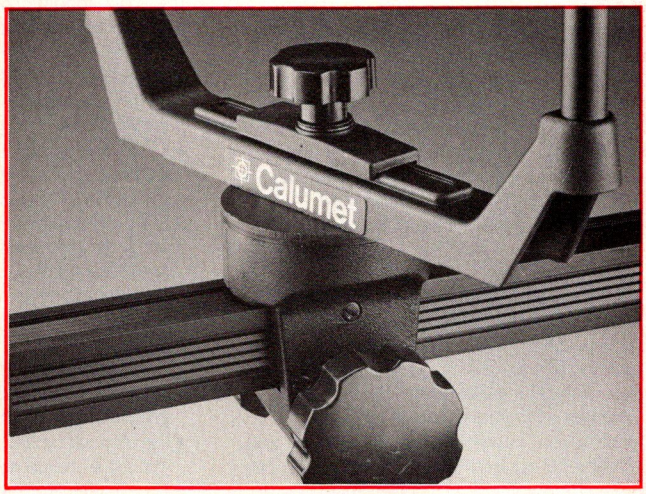
Positive slide lock system for convenient removal of lensboard and interchangeable bellows. Extra large 6⅜" lensboard accommodates nearly all lens sizes.



Tilt and swing movements on optical axis. Dual lock knobs for tilt and rise and fall movements. All locking knobs provide maximum stability with minimum pressure.



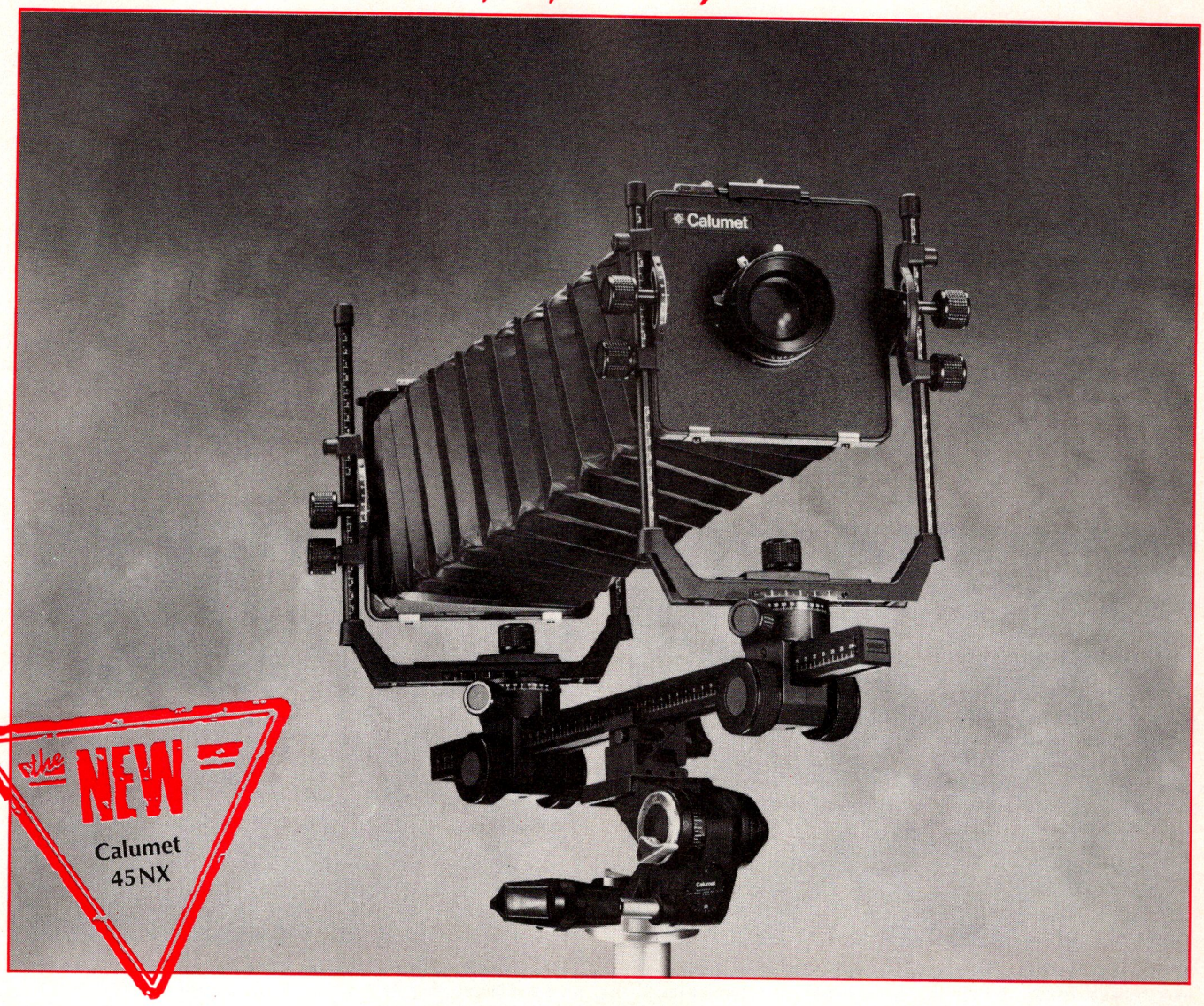
The 45N features a new, easy-loading back with a unique release lever to facilitate film holder insertion - without moving the camera. A 360° revolving back simplifies format changes from vertical to horizontal, and dual spirit levels aid in camera setup.



Easy to use single lock system controls lateral shift and swing movements. Friction drive focusing system on both front and rear standards has tension adjustment for smooth positive operation. Focus lock mechanism provides maximum locking without focus creep.

LARGE FORMAT
Calumet 45NX

Step up in Style!



The New Calumet 45NX

Calumet is proud to introduce the 45NX, a precision 4 x 5 view camera designed for the professional photographer. Its clean and simple design will help you cope with even the most complex photographic problems, be they table-top, product, portrait or architecture. This advanced member of the Calumet large format family offers day in and day out dependability and calibrated repeatability, and does so with economical affordability.

Day In and Day Out Dependability

Because Calumet knows professional photographers, we know that they demand quality craftsmanship and endurance out of their tools. The 45NX fits the bill with its European engineering and all-metal construction. Its smooth friction focusing and movements are easily controlled and securely locked by comfortable, rubber-inlaid, metal knobs. Each movement locks and unlocks independently for insured accuracy and ease of operation.

Since a camera's value increases with its adaptability to different types of assignments, the 45NX should prove to be invaluable to the pro when you consider the following flexible features:

- Interchangeable Bellows and Monorail System for macro, close-up and wide angle applications.
- Unlimited swings, significant shifts and tilts, and both front and rear rise and fall movements for full image and focus control.
- Full monorail focusing with fine adjustments for accurate results. Coarse focusing is provided quickly to changes in different focal length lenses (i.e. from close-up to wide angle work)
- Quick, easy and safe format changes from vertical to horizontal and film holder insertion with our 360° revolving back and ground glass back release lever.
- Film format flexibility from 6 x 7cm to 8" x 10" via a unique network of modular accessories and system accessibility.
- Other practical and convenient accessories include compendium lens shades, bellows connecting frames, reflex and in-line viewing hoods and much, much more.

Calibrated Repeatability

Precise image placement, control and focusing are all essential to efficient and effective professional quality photography. And here again, the 45NX excels. All movements - including focusing - on the 45NX are scaled for exacting results and ease of operation. Positive, click-stop detents identify "zero positioning" of the rise and fall, swings, tilts and lateral shift movements for quick standard reference. And finally, front and rear standard spirit levels speed up camera setup and assist in accurate subject rendition.

Economical Affordability

No other camera company has a better track record of providing professional quality products at reasonable prices than Calumet. And the 45NX is no exception. When you consider its full range of movements, its full range system components, and its full range of capabilities, you can really see its full-value potential. Dollar for dollar, Calumet comes out on top, again.

Other Convenient 45NX Features

- Heavy duty die-cast metal construction
- Professional flat black anodized finish for minimal reflectance in the subject
- International ground glass back will accept all "Graflock" roll film backs, as well as the new Calumet C2N roll film holder and all Polaroid 4 x 5 holders
- Easy-loading back release provides safe film holder insertion – without moving the camera
- Convenient 360° revolving back for safe, smooth format changes
- Prontor Professional Shutter System compatible back
- Identical front and rear standards and single-release bellows/back/lensboard locks for additional operating convenience
- One-Year Warranty

45NX Specifications

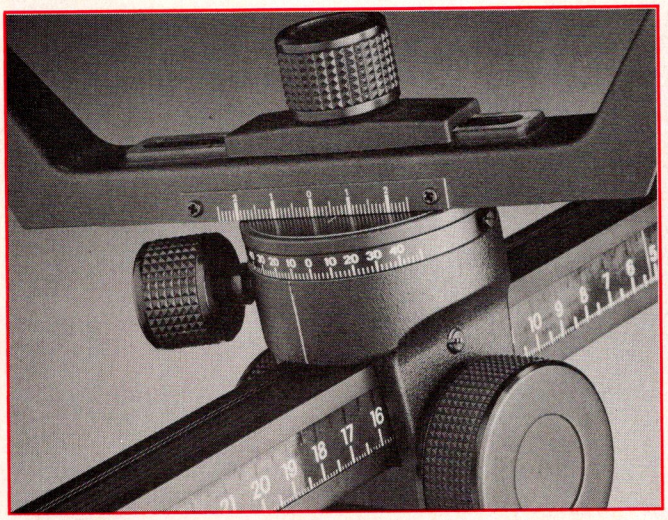
- Die-cast aluminum alloy construction
- Tilt: 60° (front and back)
- Swing: Unlimited (front and back)
- Lateral Shift: 1.96" (50mm) front and back
- Rise and Fall: 3.74" (95mm) front and back
- Maximum Extension: Standard Bellows, 19.68" (500mm); unlimited with extension bellows and monorail sections
- Minimum Extension: With recessed lensboard, 2.59" (66mm)
- Lensboard: 6.37" x 6.37"
- Weight: 8 lbs. 15 oz.

Calumet 45NX 4 x 5 View Camera

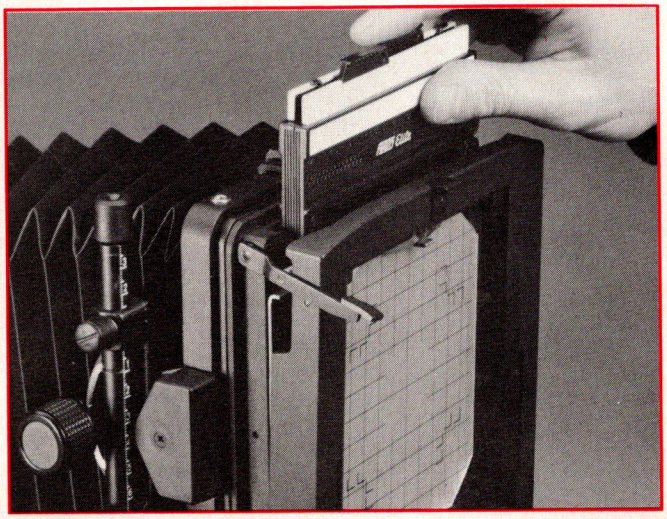
Includes: Camera body with bellows, tripod mount, revolving back, and ground glass. Lens and lensboard not included. **$449.00**
CC4005 .....

Flat Lensboard for Calumet 45NX
CB0508 ..... **$29.95**

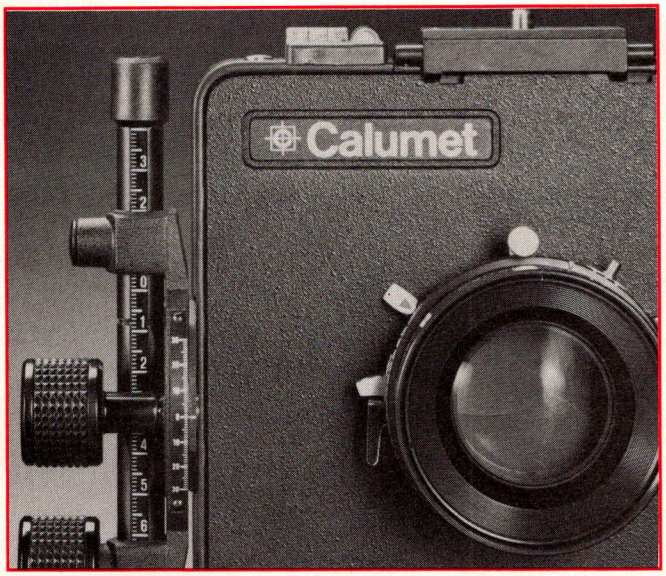
ACCESSORIES for the Calumet 45NX
see pages 12 – 15.



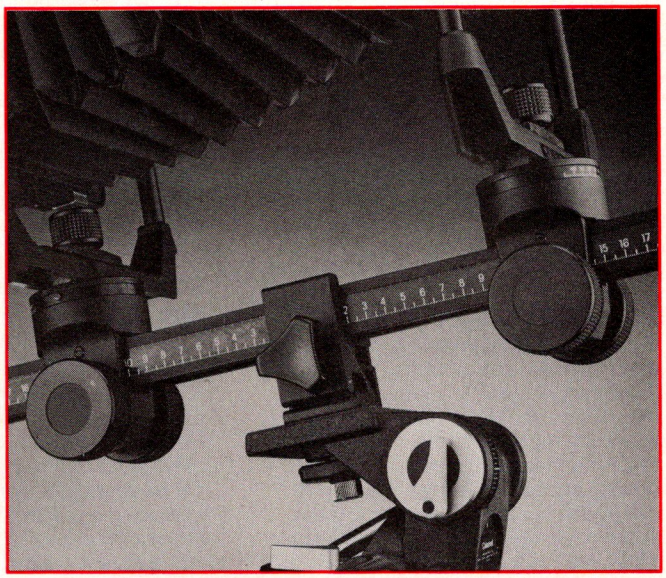
Individual locking mechanisms for both the lateral shift and swing movements offer more precise camera controls. Reference scales and zero-position detents offer added convenience.



Calumet's NEW easy-loading back features a release lever to facilitate film holder insertion – without moving the camera. Safe and smooth format changes are made possible with a convenient 360° revolving back. Back accepts "Graflock" accessories.



Scaled front standards and zero-position detents offer quick and precise referencing for rise and fall movements. A single-release slide lock facilitates lensboard, bellows and back removal.



Calibrated monorail offers quick and repeatable precise focusing over its entire length. Coarse focusing is also provided. Quick release tripod block makes camera setup safer and more convenient.

LARGE FORMAT
Cambo 45SR

A New View with Classic Moves!



The New Cambo 45SR

For over forty years, Cambo has earned a reputation as one of the world's finest large format camera manufacturers. Their hallmark has always been clean and simple design, ease of operation and dependable performance – ALL at a modest price! With the introduction of the new 45SR, Cambo has matched this mark and gone one step beyond. This exciting new camera actually represents several new advances which are guaranteed to make it a classic in its own right.

Let's start from the bottom . . .

Cambo's newly designed monorail sets a tone of rigid precision unmatched by any other view camera in the 45SR's price range. This extremely stable rail not only provides solid support for the camera's standards, but it creates such features as unobstructed focusing and true, dual-range focusing. By allowing the tripod block and the focusing blocks to ride on separate sides of the rail, neither one blocks the other. This allows for quicker operation, especially when changing to different focal length lenses and from wide to close subjects.

Cambo's new dual-range focusing block offers both rack and pinion fine focusing AND quick, time-saving coarse focusing. The photographer can either fine-tune image sharpness with exacting ease, or rapidly reposition the front or rear standard by releasing the block locking lever and sliding the standard back and forth. It's the best of both worlds. The entire monorail is calibrated for accurate repeatability, and features add-on extension capabilities.

Solid Standards With Scaled Movements

Cambo's tradition of all-metal construction continues in the standards of the 45SR. These stable supports also feature full scaled movements for calibrated accuracy, and independent lock and control knobs for each movement. This means precise placement of the image and plane of focus, and control of image shape without unexpected "coincidental" movement. For quick set-up and additional reference, all movements feature click-stop "zero-position" detents. Spirit levels on both front and rear standards ensure level setup and accurate architectural renderings. Cambo's large, comfortable knobs provide a positive grip and confident control to all movements, focusing and locking mechanisms.

Excellent Support System

Part of what makes the 45SR such a "universal" view camera – ideal for portraits and products, buildings and landscapes – is its incredible accessory system. It is this supporting cast of optional tools that allows you to extend the limits of the monorail for macro applications, AND strip down, bare bones, to bag bellows for field assignments. You have full access to such accessories as extended-length and wide angle bellows, interchangeable and extension monorails, compendium lens shades and filter holders, reflex and in-line viewing hoods, sliding and dividing backs, lensboards and lensboard adapters, cases and much, much more. Cambo's International back will accept all "Graflock" film backs, the new Calumet C2N roll film holder and all Polaroid 4 x 5 holders. The 45SR was designed specifically to grow with you and go with you, no matter what your needs become.

Other Convenient 45SR Features

- Professional flat black anodized finish for minimal reflectance in the subject
- Easy-loading back release provides safe film holder insertion - without moving the camera
- 360° revolving back for safe, smooth format changes from vertical to horizontal, with detents in each position
- Prontor Professional Shutter System compatible back
- Identical front and rear standards and single-release bellows/back/lensboard locks for additional operating convenience
- One-Year Warranty

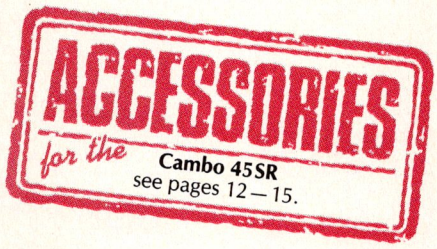
45SR Specifications

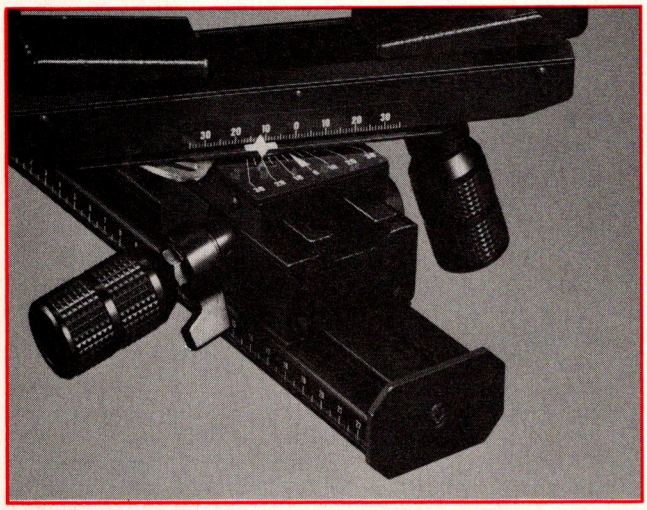
- Tilt (Front/Back): 60°
- Swing (Front/Back): unlimited
- Lateral Shift (Front/Back): 50mm
- Rise and Fall (Front/Back): 95mm
- Fine Focus Range (Front/Back): 64mm
- Maximum Extension: 17⅝" (445mm) w/standard bellows
- Minimum Extension: 2⅜" (62mm) w/recessed lensboard
- Weight: 9 lbs.

Cambo 45SR
4 x 5 View Camera

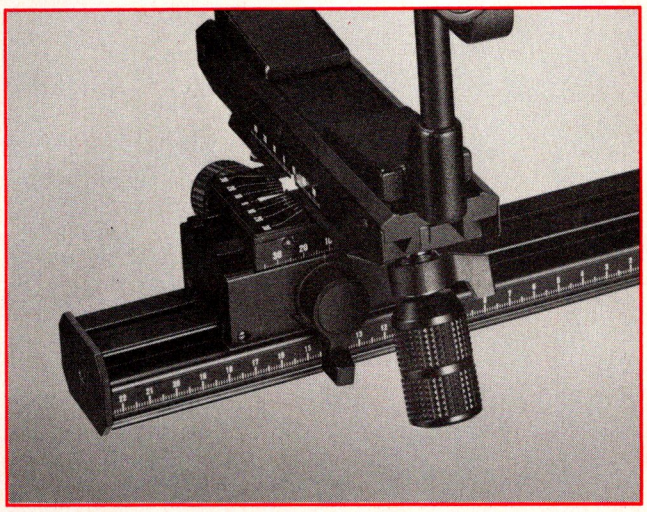
Includes camera body with bellows, tripod mount and ground glass back. (Lens and lensboard not included.)
CB4110..... **$649.00**

Flat Lensboard for Cambo 45SR
CB0508..... **$29.95**

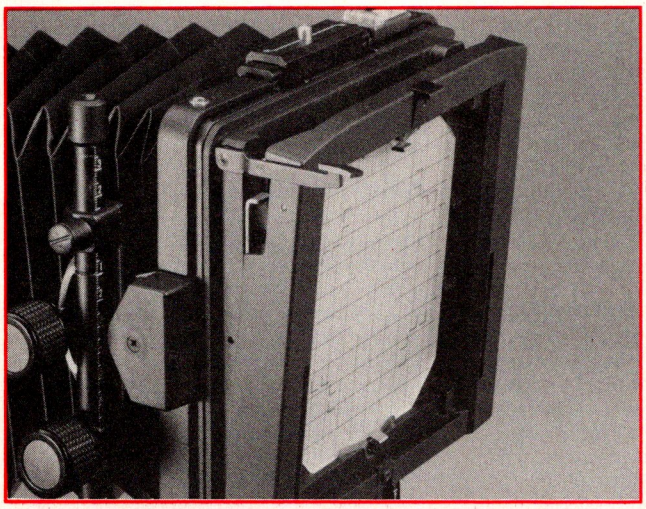




The rack and pinion lateral shift control on the 45SR provides precision image placement and perspective control. Optional monorail extensions allow quick macro conversion capabilities.



Cambo's new fine/coarse focusing system features both precision scaled, rack and pinion focusing for finely-tuned accuracy, AND rapid, sliding standard movement for quick focal length and subject changes.

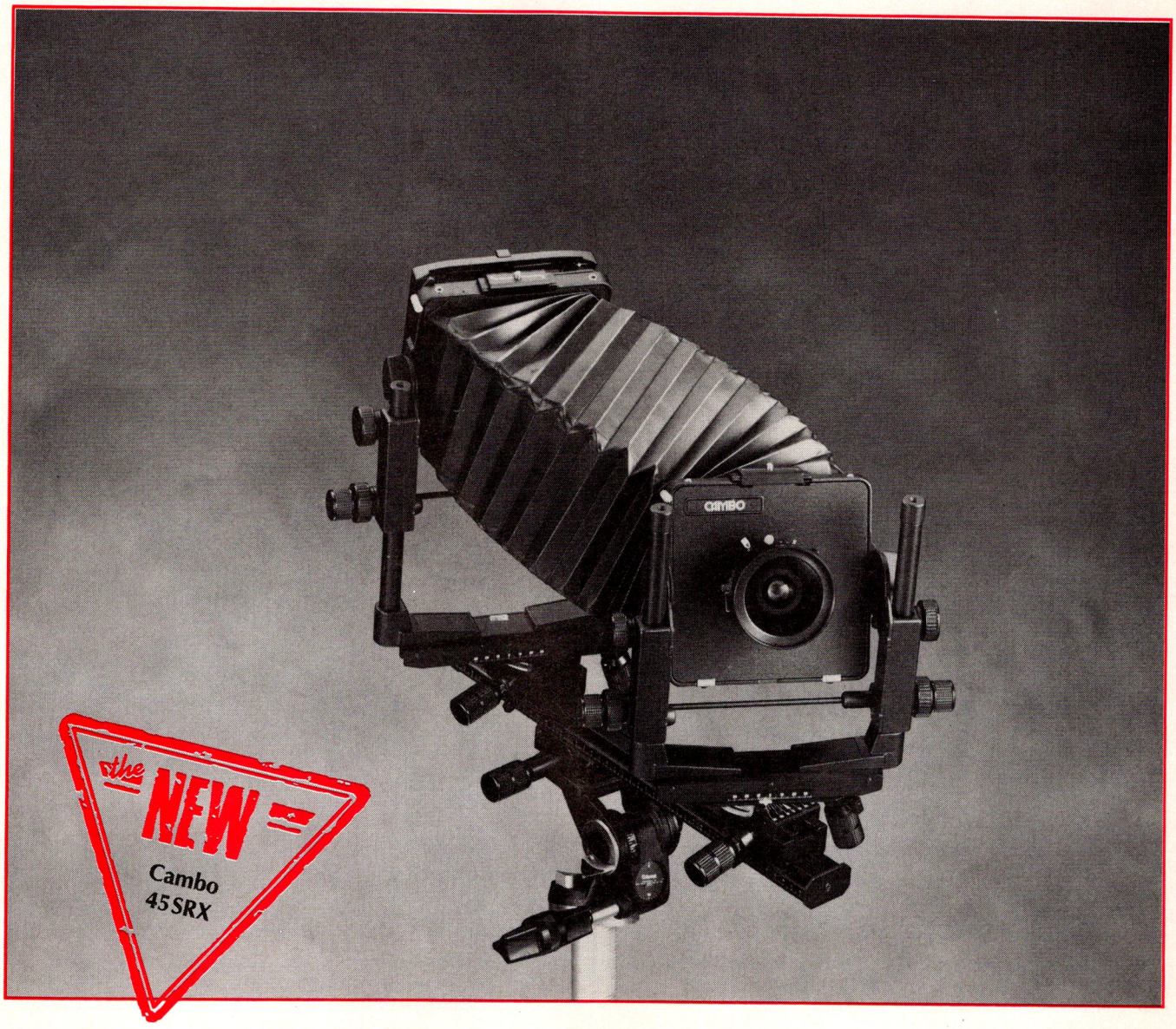


Cambo's easy-loading "bail release" ground glass back allows for safe film holder insertion, without the risk of moving the camera. The 360° revolving back offers fast format changes - without removing the back.



All 45SR movements are calibrated for precise and repeatable control of subject shape, placement and focus plane. "Zero Position" click-stop detents and dual spirit levels offer quick reference for camera set-up.

Cambo Sets New Standards of Excellence !



A New Standard in Studio Excellence!

Cambo has given new meaning to the term "user-friendly" with the introduction of their newest 4 x 5 view camera, the Cambo 45SRX. This heavy-duty studio camera not only excels in stability, which is so crucial to critical large format photography, but offers exceptionally smooth and easy operation, which is so important to the photographer's performance.

NEW Monorail Design

One of the most exciting advantages offered by the 45SRX is a new monorail design. Its unique new shape not only provides extreme rigidity to the front and rear standards, but also offers unobstructed, full-length focusing capabilities, especially convenient when working with wide angle and close-up photography - and switching back and forth!

NEW Fine/Coarse Focusing System

In conjunction with Cambo's new monorail, is a completely new super-smooth, dual-range focusing system which produces extremely precise, fine focusing AND quick, time-saving coarse focusing. Rack and pinion geared focusing-blocks on both standards allow the photographer to fine-tune image sharpness with exacting ease and confidence with newly designed knobs and clearly marked scales. By the same token, both standards can be rapidly repositioned by releasing the block lock lever and sliding the standard back and forth. Ideal for drastic subject changes!

NEW Precision Smooth Movements

All perspective and focus control movements on the 45SRX feature easy to read scales and independent control and lock knobs or levers for repeatable results. Precisely geared rack and pinion drives control the rise/fall, lateral shift and, as mentioned, the fine focus. Conveniently located, extended-length control knobs offer quick and easy lateral shift and fine focus, while separate levers provide positive locking. All metal knobs with knurled-rubber inlaid grips offer comfortable non-slip control. For quick set-up and additional reference, all movements feature click-stop "zero-position" detents. Spirit levels are built into the lens and ground glass frames, and into the base of the back standard to ensure level setup of the camera.

NEW Camera with a Classic System

In the forty-year Cambo tradition of complete compatibility, the 45SRX ties in beautifully with the extensive Calumet/Cambo accessory system. No matter what special application you encounter - from wide angle to macro - you can choose from a vast array of optional tools to meet your needs. Consider the following: wide angle and extended-length bellows, reflex, folding and in-line focusing hoods, compendium lens shades, cases, sliding and dividing backs, roll film holders, lensboards and lensboard adapters and viewing screens. New conversion monorails and add-on extensions are also available. The Cambo system is one that you will never outgrow!

Other Convenient 45SRX Features

- Heavy duty die-cast metal construction
- Professional flat black anodized finish for minimal reflectance in the subject
- International ground glass back will accept all "Graflock" roll film backs, as well as the new Calumet C2N roll film holder and all Polaroid 4 x 5 holders
- Easy-loading back release provides safe film holder insertion - without moving the camera
- Convenient 360° revolving back for safe, smooth format changes
- Prontor Professional Shutter System compatible back
- Identical front and rear standards and single-release bellows/back/lensboard locks for additional operating convenience
- One-Year Warranty

45SRX Specifications

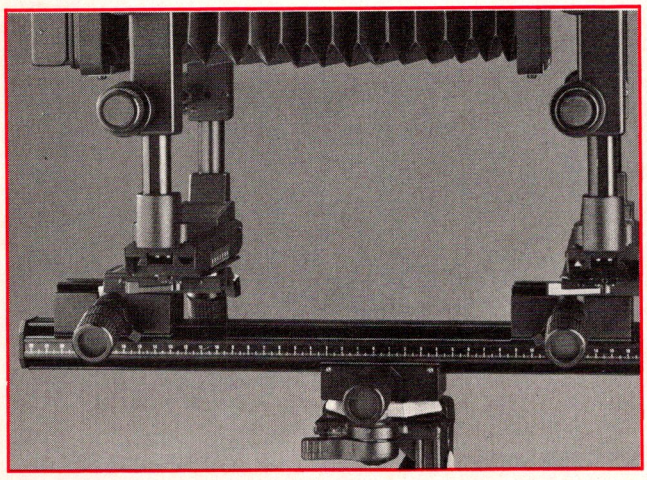
- Tilt (Front/Back): 70°
- Swing (Front/Back): 30°
- Lateral Shift (Front/Back): 35mm
- Rise and Fall (Front/Back): 85mm
- Fine Focus Range (Front/Back): 64mm
- Maximum Extension: 17⅝" (445mm) w/standard bellows
- Minimum Extension: 2⅜" (62mm) w/recessed lensboard
- Weight: 13½ lbs.

Cambo 45SRX
4 x 5 View Camera

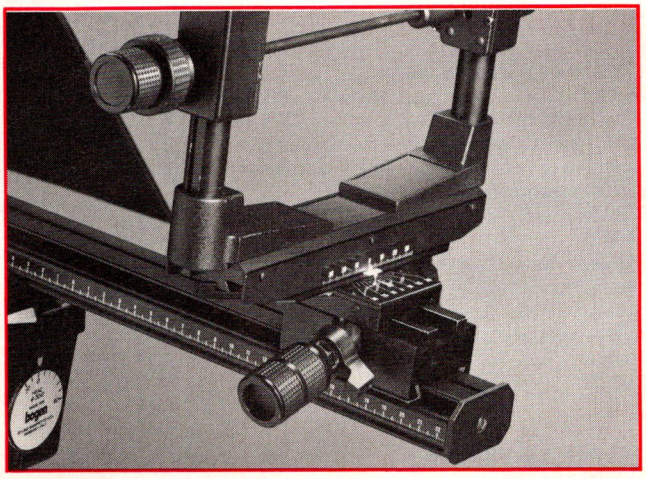
Includes camera body with bellows, tripod mount and ground glass back. (Lens and lensboard not included.)
CB4115..... **$995.00**

Flat Lensboard for Cambo 45SRX
CB0508..... **$29.95**

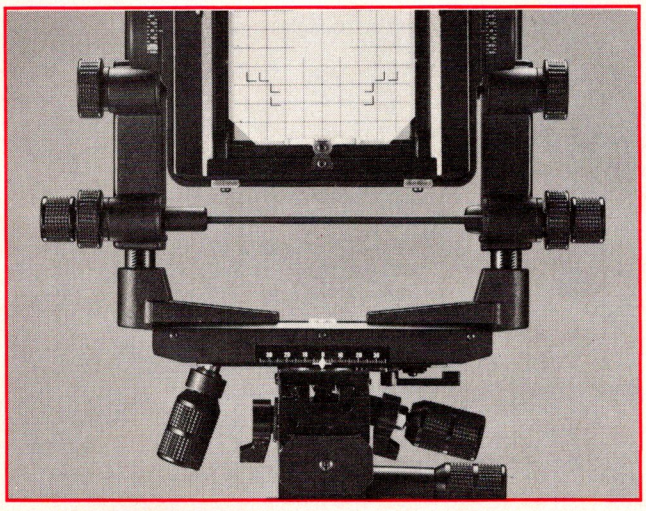
ACCESSORIES for the Cambo 45SRX
see pages 12 – 15.



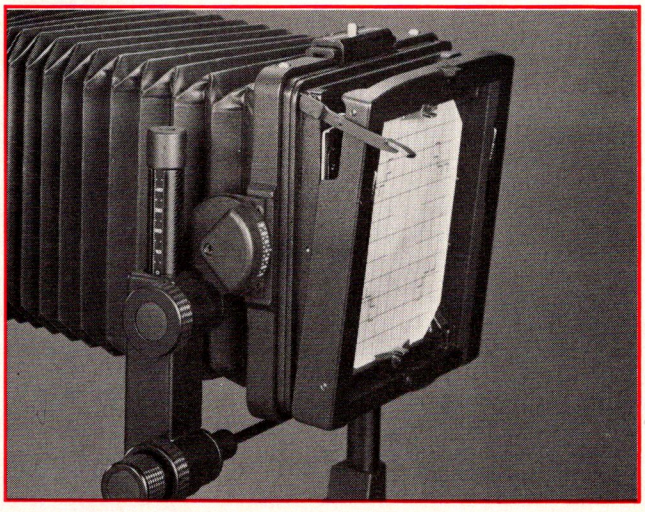
The new monorail design of the 45SRX allows for full-length, unobstructed standard movement, fine and coarse focusing control and add-on extension capabilities for quick close-up conversion.



Cambo's new fine/coarse focusing system features both precision scaled, rack and pinion focusing for finely-tuned accuracy, AND rapid, sliding standard movement for quick focal length and subject changes.



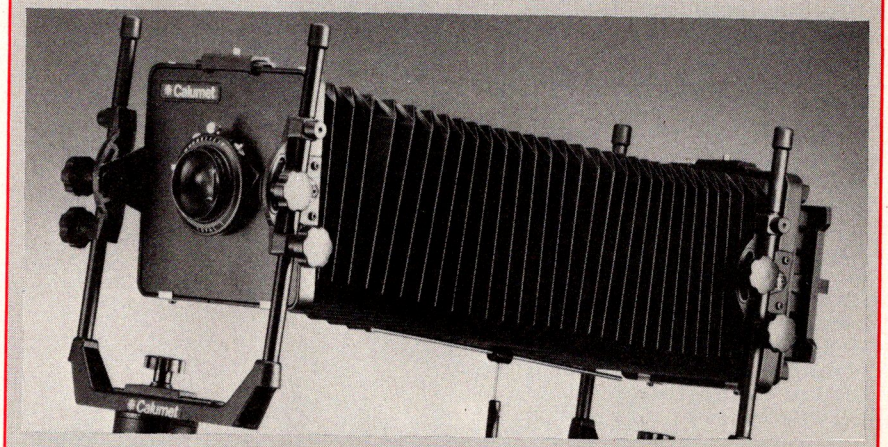
The 45SRX provides precision smooth rack and pinion lateral shift and rise/fall movements. Newly designed control and lock knobs offer positive grip and easy-to-manipulate movements.



Cambo's easy-loading "bail release" ground glass back allows for safe film holder insertion, without the risk of moving the camera. The 360° revolving back offers fast format changes – without removing the back.

4x5 ACCESSORIES for Calumet/Cambo

Expand your 4 × 5 camera's capabilities.



Extension Bellows Conversion

For Close-up and Macro Applications

Expand the capabilities of your Calumet or Cambo view camera – literally! The addition of an extra-long bellows, 30" monorail and bellows support will provide enough bellows draw for reproduction ratios of up to 2:1 with a standard 210mm lens, and greater with shorter lenses.

Extension Bellows and Bellows Accessories

30" Extra Long Bellows - for all Calumet/Cambo cameras.
(Requires Extra Long Monorail or Monorail Extensions for full extension.)
CB0205.....**$169.95**

22" Standard Bellows **CB0207**.....**$109.95**

Bellows Support - for Calumet 45N, 540, and Cambo SC cameras. Used to prevent bellows sag and possible vignetting.
CB0406.....**$64.95**

Bellows Support - for Cambo SCX cameras
CB1660.....**$59.95**

Bellows Coupling Standard - for Calumet 45N, 540 and Cambo SC cameras. Used to connect two bellows together for extreme close-up work.
CB0525.....**$199.95**

Bellows Coupling Standard - for Cambo SCX cameras.
CB1665.....**$199.95**

Bellows Coupling Standard - for Cambo SR cameras.
CB4450.....**CALL**

Calumet/Cambo Monorails and Monorail Accessories

Fits Calumet 45N's, 540 and Cambo SCII Cameras

11 ½" Wide Angle Monorail
CB0119.....**$59.95**

21 ½" Monorail **CB0311** **$79.95**

30" Extra Long Monorail - Permits maximum extension of normal bellows to 22". *Further extension requires Extra Long Bellows (CB0205).*
CB0411.....**$89.95**

Monorail Connecting Clamp - Used to join two monorails together for extreme close-up or macro work. Features two clamps and a connecting plate with ⅜" tripod mounting thread.
CB0522.....**$99.95**

Fits NEW Cambo SR Series Cameras

10" Wide Angle Monorail
CB4300.....**CALL**

30" Extra Long Monorail
CB4305.....**CALL**

10" Monorail Extension - Inserts into the end of SR Series monorails for convenient, continuous focusing, close-up capabilities.
CB4310.....**CALL**

Fits Cambo SCX Series Cameras

20" Standard Monorail
CB1620.....**$79.95**

30" Extra Long Monorail
CB1625.....**$89.95**

SCX Monorail Extensions

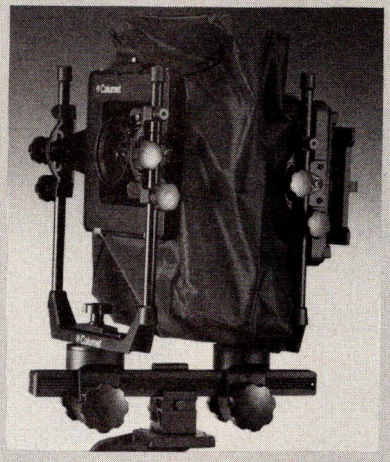
Insert into the end of the SCX Series monorails for convenient, continuous focusing, close-up capabilities.

10" Monorail Extension
CB1610.....**$119.95**

20" Monorail Extension
CB1615.....**$129.95**

Tripod Mounting Block

For additional camera support when working close-up, this separate block can be attached to the monorail and mounted to a second tripod. *(A connecting plate is available to join two tripod mounting blocks for single tripod mounting. Call for details.)*
CB1600.....**$49.95**



Wide Angle Conversion

Recommended for Architecture and Landscapes

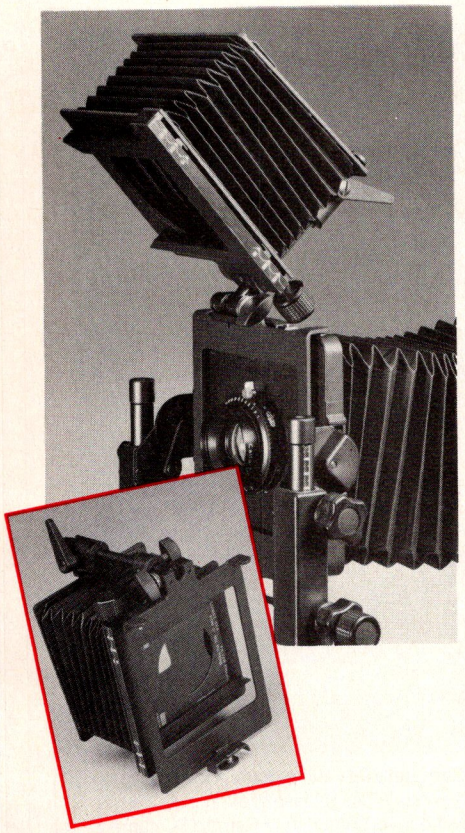
Take advantage of the Calumet/Cambo accessory system, and get the most out of your view camera movements and wide angle lens coverage. With the addition of a wide angle "bag" bellows, an unobtrusive short monorail and an easy viewing fresnel lens, your "field" work will be made easier and more precise.

Wide Angle Bellows

Commonly referred to as a "bag bellows," the wide angle bellows is used with lenses 90mm or shorter in focal length. The special flexible design permits full use of all movements when using these short lenses. The wide angle bellows may also be used for normal lenses up to 150mm focal length if close up photography is not desired. The addition of a short 11.5" monorail with the wide bellows makes a compact, full movement view camera ideally suited for field work with short lenses.

Wide Angle Bellows made of durable, synthetic construction.
CB0209.....**$159.95**

Leather Wide Angle Bellows with genuine leather construction.
CB0208.....**$249.95**



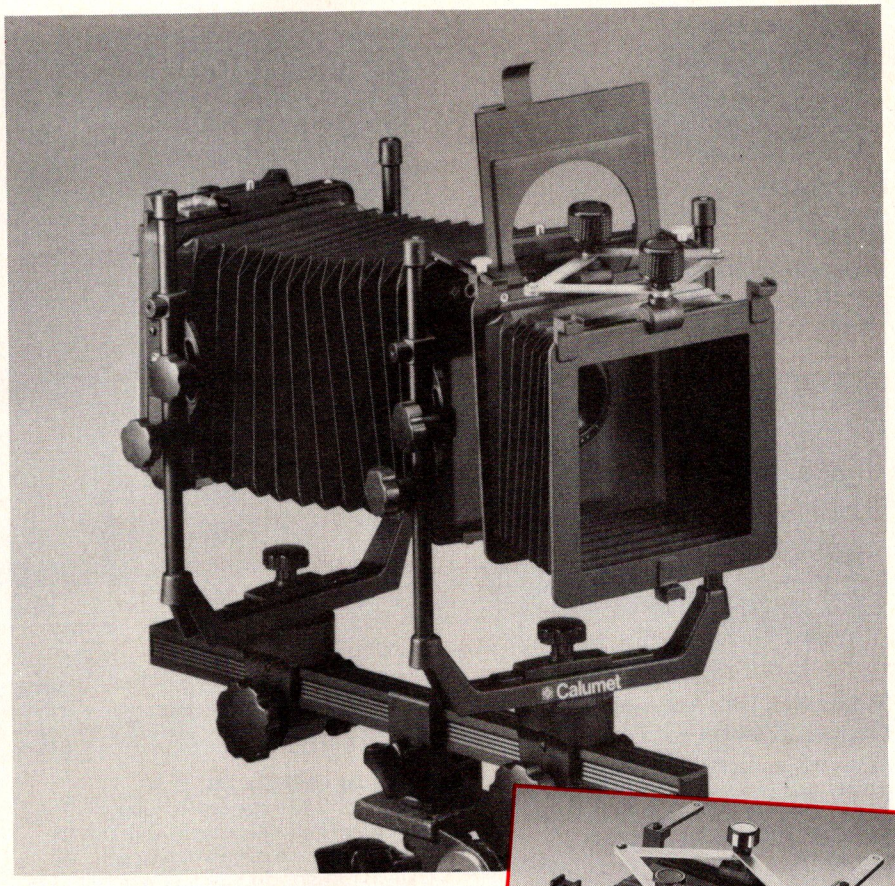
Cambo Deluxe Compendium Lenshood

Now you can improve the quality of your photographs and enhance your creative flexibility with one outstanding new accessory. The Deluxe Compendium Lenshood is more rugged and more versatile than any previous hood. This conveniently designed bellows lens shade will fit all Calumet 45N, 540, Cambo SR, SC and SCX cameras. It mounts positively to the front lensboard frame and flips up to allow easy lens adjustments. It features an adjustable holder for 75, 100 or 125mm filters and a slotted front, which will accept additional special effect filters. This newly designed lens hood will work with all lenses with filter sizes up to and including 120mm diameter.

CB0506.....**$229.95**

Replacement or additional filter holder for Deluxe Lenshood

CB0507.....**$99.95**



Compendium Lenshood/Filter Holder

The Compendium Lenshood/Filter Holder can actually improve image quality by reducing flare caused by stray light entering the lens. The flexible bellows allows the hood to be adjusted for maximum shading.

The Gel filter holder is adjustable so that the filter may be positioned relative to the front of the lens. Metal filter frame for standard 4 x 4 gel filters is included. 3 x 3 filters may be used by placing them in Calumet 4 x 4 filter frames for 3 x 3 filters (CC9036).

Compendium Lenshood/Filter Holder

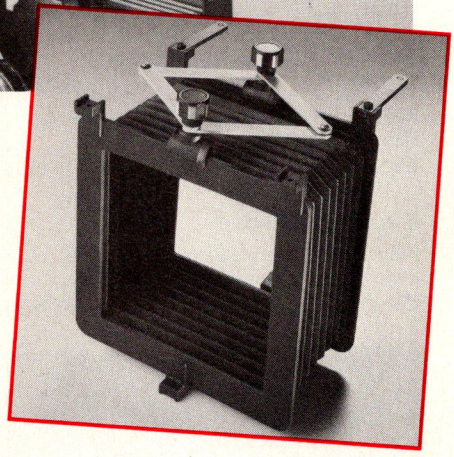
CB0502.....**$169.95**

Metal 4 x 4 in. Gel Filter Frame (replacement)

CB0503.....**$29.95**

Calumet 4 x 4 Filter Frames for 3 x 3 Gel Filters. Pack of 24

CC9036.....**$15.95**



Compendium Lenshood

Similar to the Compendium Lenshood/Filter Holder, but without filter holder. (not pictured).

Compendium Lenshood

CB0501.....**$149.95**



Flat Lensboard

For lens focal lengths of 135mm or longer (00 opening)

CB0508.....**$29.95**

Recessed Lensboard

For short focal length lenses of 90mm and less. Because these wide angle lenses require such a short distance between the front and rear standards when focused at infinity (3½" or less), a recessed, or concave board places the lens closer to the film plane while allowing the front standard to remain further away, thus making it possible to focus at infinity AND utilize more camera movements.

CB1508.....**$34.95**

Lensboard Adapters

Adapter for Calumet 4 x 4 Lensboards. Will adapt the standard 4 x 4 lensboards from Calumet Series 400 cameras to fit the New Calumet 45N, 540, Cambo SR and SC cameras. Not for use with 4 x 4 recessed lensboards.

CB0516.....**$59.95**

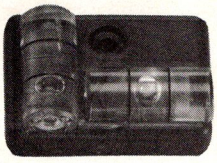
Adapter for Sinar or Horseman 4 x 5 lensboards

CB0517.....**$199.95**

Linhof Adapter - Adapts Technica lensboards to Calumet/Cambo cameras.

CB0514.....**$109.95**

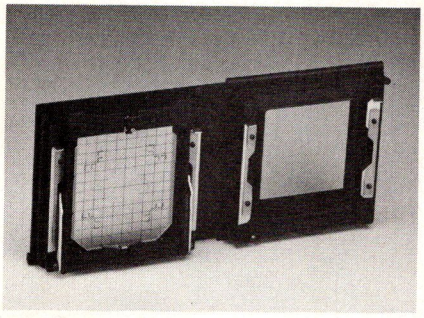
LARGE FORMAT
Calumet/Cambo Accessories



Replacement Spirit Levels

Dual Spirit Level for Calumet 45N, 45NX, 540, Cambo SC and SCX cameras.
CB1010..... **$14.95**

Single Spirit Level for older model Cambo SC cameras.
CB0524..... **$9.95**



Sliding Roll Film Adapter For Calumet/Cambo 4 x 5's

Allows the photographer to change from ground glass viewing to film ready position by simply sliding the back. Back adapter rotates for either vertical or horizontal use.
CB0202..... **$399.95**

Replacement Ground Glass for Sliding Roll Film Adapter (CB0202)
CB0217..... **$19.95**

4 x 5 Dividing Back

Provides a means of taking two separate exposures side by side on one 4 x 5 film.
CB0206..... **$399.95**

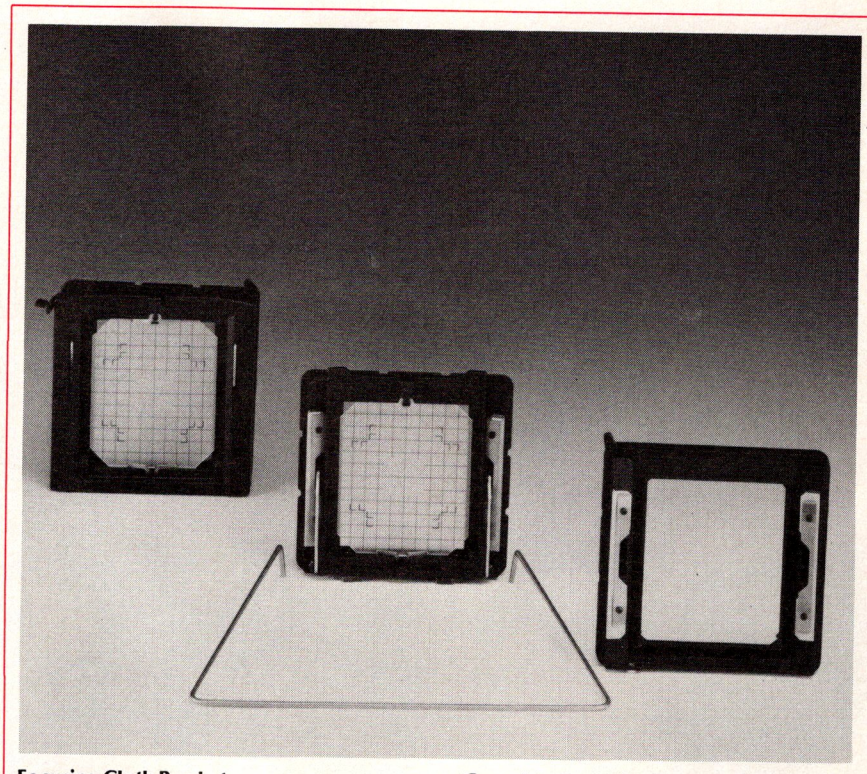


Beattie Intenscreen for Calumet/Cambo 4x5's

Increases the relative brightness of your ground glass image by 2 to 4 f/stops. Includes ¼" grid applique.

For Calumet 45N, 45NX, 540 and Cambo SR, SRX, SCX SC II 4 x 5's
BT0050..... **$129.00**

For Wood-Field, Compact and Calumet 400 Series
BT0115..... **$129.00**

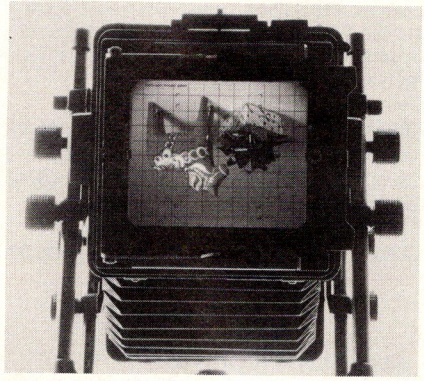


Focusing Cloth Bracket
Attaches to rear standard to support focusing cloth. Keeps both hands free to focus and make camera movements, and keeps focusing cloth "out of your hair." Fits all current Calumet/Cambo 4 x 5's.
CB0219..... **$19.95**

Revolving Back Adapter
Will convert any older style, international Cambo back to a 360° revolving back which will accept "Graflock" accessories. Consists of rotating frame only.
CB0240..... **$149.95**

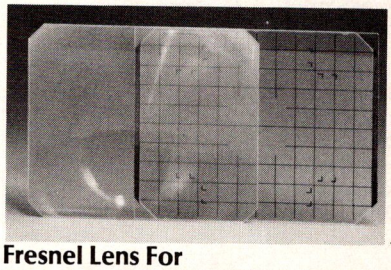
Complete Revolving Back Assembly
New style bail release ground glass carrier will convert older style Cambo SC cameras to a 360° revolving frame – with new, "easy-loading" back for safe film holder insertion.
CB0245..... **$199.95**

Cambo 4" x 5" International Back
This non-rotating back assembly will accept all international, or "Graflock" accessories. Fits all Cambo SC II and current Calumet 4" x 5" cameras.
CB0201..... **$139.95**



Super Sharp Focusing Screen

The Calumet Super Sharp Screen is the sharpest view camera focusing screen we have ever tested. When combined with a fresnel screen, the Super Sharp produces an extremely bright and incredibly sharp image. The Super Sharp Screen must be used with the fresnel lens for best results. Super Sharp Screen is for current Calumet/Cambo 4 x 5 cameras only.
CB0250..... **$79.95**



Fresnel Lens For Calumet/Cambo 4x5's.

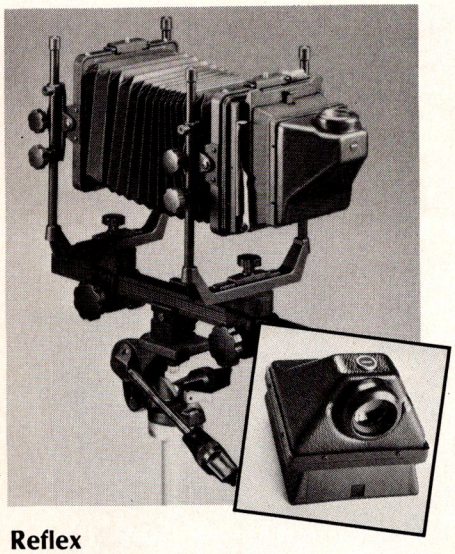
The Fresnel Lens is necessary for use with either the in-line or the reflex viewing hoods. It should also be used with a focusing cloth for brighter full area viewing. The Fresnel Lens is snapped onto the outside of the ground glass using the ground glass retaining clips.
CB0218..... **$39.95**

Replacement Ground Glass For Calumet/Cambo 4x5's

4" x 5" Ruled Ground Glass
CB0214..... **$19.95**

4" x 5" Plain Ground Glass
CB0216..... **$19.95**

Prices are subject to change without notice.

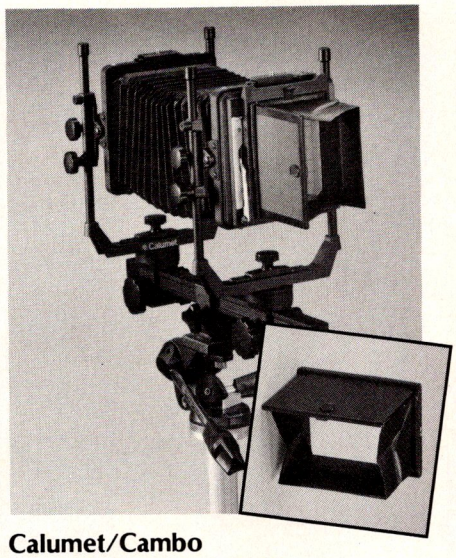


Reflex Viewing Hood*

The Reflex Viewing Hood is designed to make viewing image on the 4 x 5 ground glass more convenient. When used with the fresnel lens, the Reflex Viewing Hood allows the entire image area to be viewed from one position without moving the head from corner to corner. An added benefit is that the image appears right side up which can make composition easier.

The Reflex Viewing Hood features a unique rotating design which allows it to be used in either the horizontal or vertical position without being removed from the camera back. Compact, lightweight (only 10 oz.) construction permits the user to leave the hood on the camera while inserting a film holder. The monocular type 2.5 x eyepiece is protected by a soft rubber eye cup for comfortable use with or without eyeglasses. Size: 5½ x 5½ x 4½ in.

CB0220 ..... **$169.95**

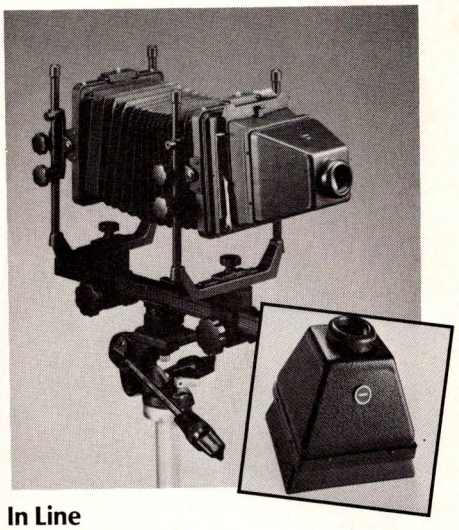


Calumet/Cambo Folding Focusing Hood*

Ideal for location photographer or in situations where a focusing cloth is not practical. When the focusing hood is extended, it provides enough shading for good ground glass viewing under most conditions, especially when used in conjunction with a fresnel screen. When folded, the hood literally takes up no extra space on the back of the camera and offers protection to ground glass.

CB0226 ..... **$99.95**

Fits all current model Calumet/Cambo 4 x 5 cameras.



In Line Viewing Hood*

An excellent alternative to the conventional focusing cloth is the In Line Viewing Hood. When using the In Line Viewing Hood the image will appear reversed and upside down as it normally does on the ground glass. Use of the fresnel lens with the In Line Viewing Hood permits the photographer to view the entire 4 x 5 image area from one position directly behind the camera. Size: 5½" x 5" x 6" Weight: 8 oz.

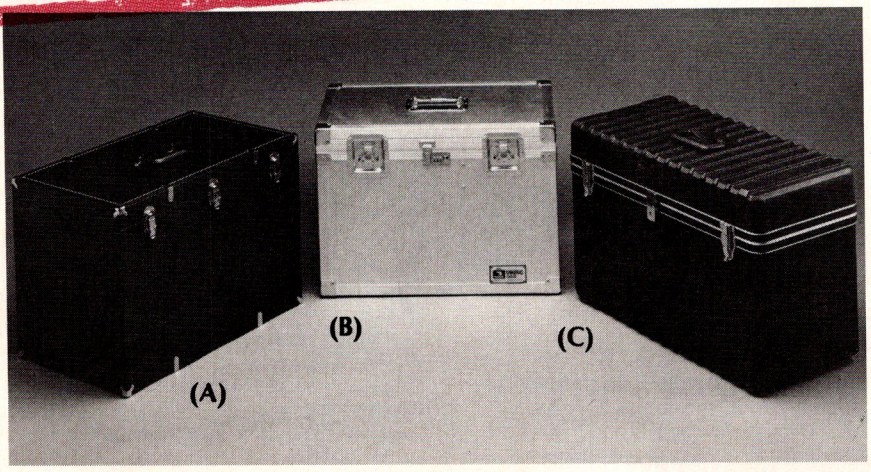
CB0221 ..... **$119.95**

toll free
TECHNICAL ASSISTANCE

Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

4x5 ACCESSORIES *for* **Calumet/Cambo**
For your convenience.

in stock
AVAILABILITY



Economy Case for Calumet 4 x 5 (A)
Vinyl covered plywood construction with felt-lined partitions. Sufficient space for camera and accessories. For 45N and 540.
CB0230 ..... **$109.95**

Heavy Duty Aluminum Case (B)
Textured aluminum surface backed by ¼" plywood. Reinforced corners and tongue-and-groove lid offer maximum protection. For 45N, 540 and SCII cameras.
CC5410 ..... **$199.95**

Deluxe View Camera Case (C)
This rugged case features an adjustable divider system to suit your specific needs. (SCX bellows must be removed to fit this case.)
CC4525 ..... **$149.95**

See pages 30-31 for complete listing of view camera cases.

need it
YESTERDAY?
Special 24-hour delivery available. Call for details.

8x10 ACCESSORIES for Calumet/Cambo

For your convenience and expanded 8 × 10 camera capabilities.



Beattie Intenscreen for Calumet/Cambo 8 x 10's

Increases the relative brightness of your ground glass image by 2 to 4 f/stops. Includes ¼" grid applique.

For Calumet 810N and all Cambo 8 x 10's

BT0105 ..... **$159.00**

8 x 10 Fresnel Lens

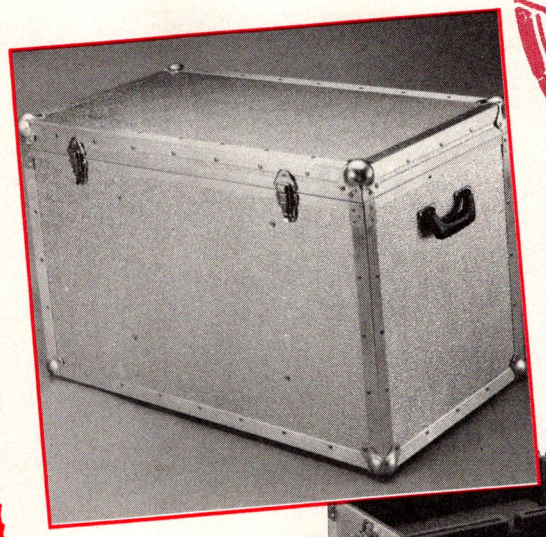
This fresnel lens provides bright edge to edge viewing. For Calumet 810N and all Cambo 8 x 10 cameras.

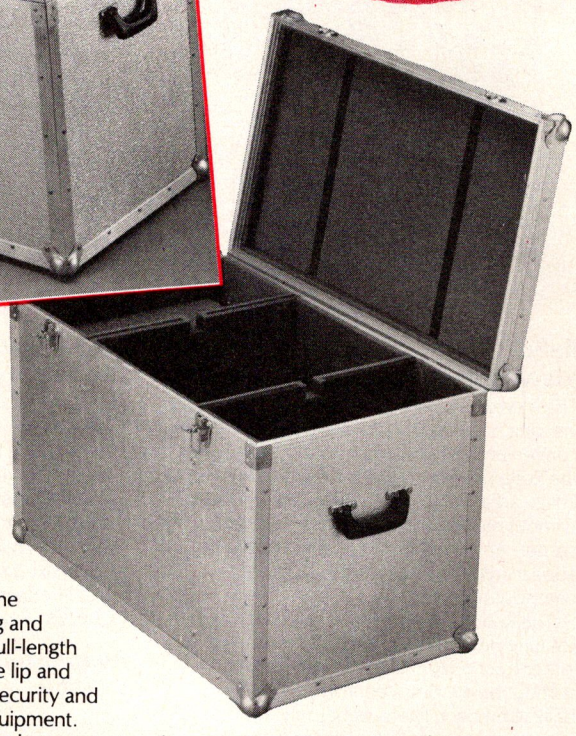
CB0419 ..... **$129.95**

Replacement Ground Glass

Fits Calumet 810N and all Cambo 8 x 10's

CB0418 ..... **$39.95**

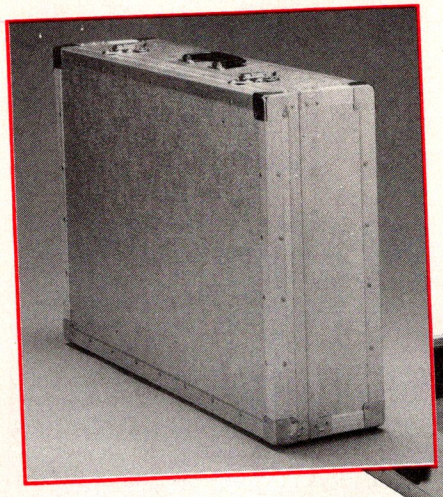


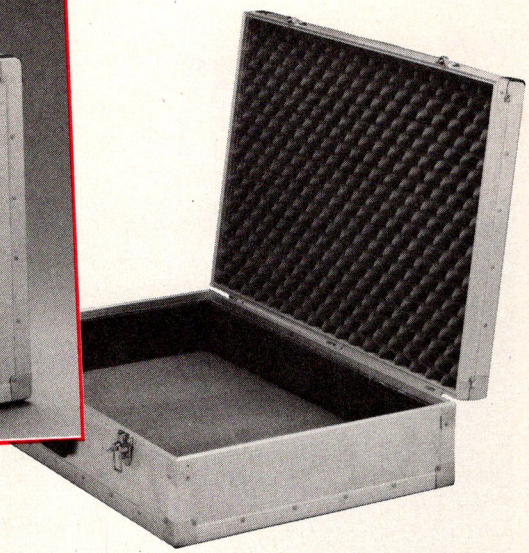


Calumet/Cambo 8 x 10 Aluminum Case

This heavy-duty aluminum case offers maximum protection for the Calumet 810N and Cambo SCIV 8 x 10 view cameras. It features an attractive, textured aluminum surface with reinforced corners and edges, and is backed with plywood for rigid support. The interior is finished in foam padding and felt for equipment protection. A full-length "piano" hinge, tongue and groove lip and twin, lockable latches offer both security and protection to your camera and equipment. Oversized compartments offer ample storage space for additional equipment, such as mounted lenses, film holders, meters and focusing cloth. Inside dimensions are 31" x 17" x 20".

CB0407 ..... **$399.95**





Calumet/Cambo 8 x 10 Aluminum Attache

This heavy-duty aluminum attache provides compact storage and transport for the Calumet 810N, Cambo SRX and SCX 8 x 10 view cameras. Camera stores snuggly by simply removing the bellows and rotating the standards parallel to the monorail. Reinforced corners and foam lining offer extra protection against mishandling. Inside dimensions: 32½" x 21" x 5½".

CB1680 ..... **$269.95**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery, Monday through Friday 8 a.m. to 5:30 p.m. (central time).

Items too large for UPS Surface delivery are marked with a symbol next to the catalog number. Items with this symbol are shipped by truck, Freight Collect.

Reducing Backs and Frames

Reducing frame from 8" x 10" to 4" x 5", requires 4" x 5" Back (CB0235 or CB0201)
CB0413 ..... **$229.95**

Revolving International back 4" x 5"
CB0235 ..... **$159.95**

4" x 5" International Back
CB0201 ..... **$139.95**

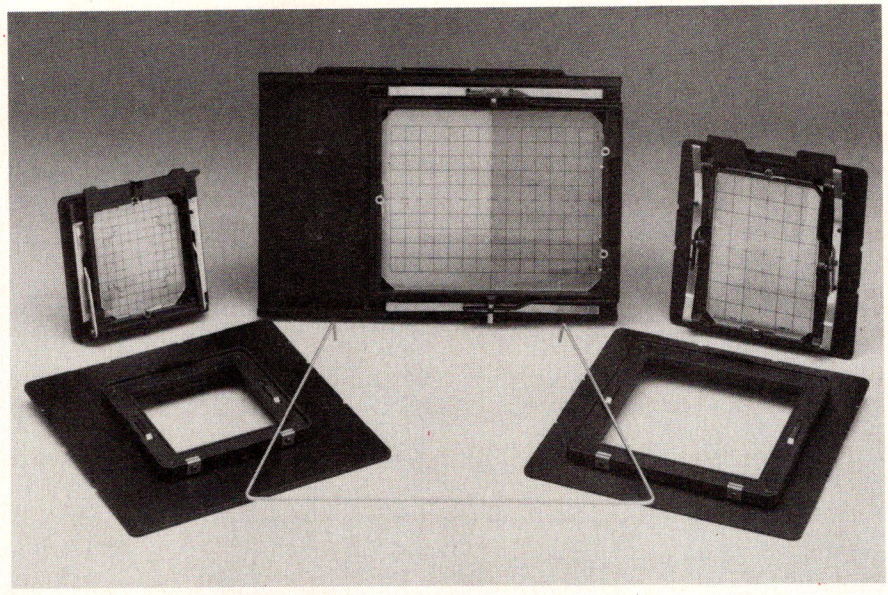
Reducing frame from 8" x 10" to 5" x 7", requires 5" x 7" Spring back (CB301)
CB0414 ..... **$279.95**

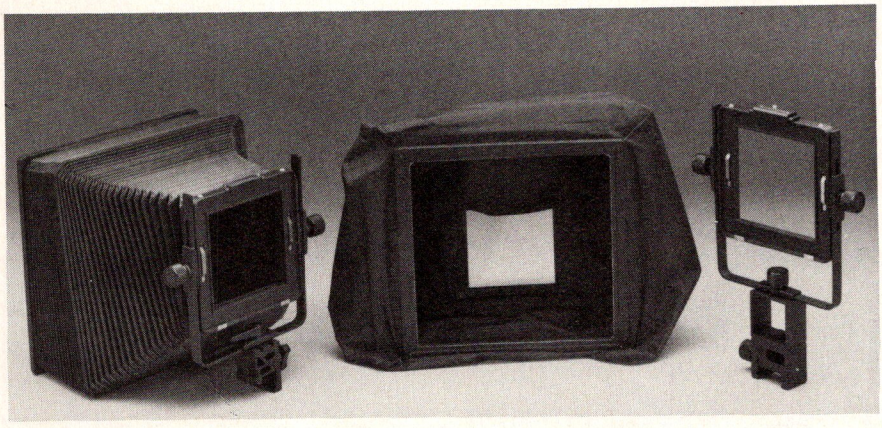
5" x 7" Spring back
CB0301 ..... **$199.95**

Split Sliding Back - produces 2-5" x 8"'s on single 8" x 10" film
CB0402 ..... **$699.95**

Focusing Cloth Support Frame

This convenient rear frame accessory literally keeps the focusing cloth "out of your hair." Installs easily and lets you keep both hands free for focusing and camera movements.
CB0409 ..... **$19.95**





Bellows and Connecting Frames

Normal bellows for Calumet 810N and all Cambo 8 x 10 cameras.
CB0403 ..... **$329.95**

Wide angle bellows (imitation leather)
CB0405 ..... **$249.95**

Bellows Connecting Frame for Calumet 810 N/Cambo SCIV – Used to connect two bellows together for high magnification and close up photography.
CB0525 ..... **$199.95**

Bellows Connecting Frame for SCX
CB1665 ..... **$199.95**

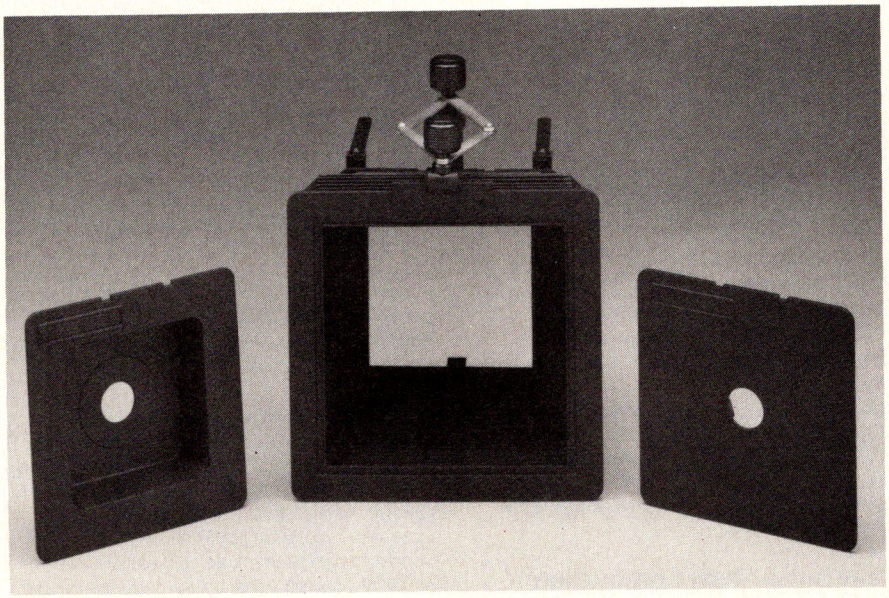
Compendium Lenshoods

The Compendium Lenshood/Filter Holder can actually improve image quality by reducing flare caused by stray light entering the lens. The flexible bellows allows the hood to be adjusted for maximum shading effect.

Compendium Lenshood (pictured) – for use on lenses with filter sizes larger than 105mm. *(does not include filter holder)*
CB0408 ..... **$299.95**

C-1 Lensboard Adapter for Calumet 810/Cambo SCX

Quick and easy interchangeable lens capabilities between the old Calumet C-1 8" x 10" and the new Calumet 810N or Cambo SCX is now available with this new lensboard adapter. No need to go through the trouble of removing your lens from its lensboard and remounting it. Simply slide mounted lens into adapter and lock. (accepts Deardorf 6" boards)
CC8115 ..... **$99.95**



LARGE FORMAT
Calumet 810N

The Ultimate 8 x 10 Value!



The Calumet 810N is the first "full-featured" 8 x 10 format camera offered under the Calumet label. Complete view camera movements and maximum versatility are now available at a moderate price. If you have postponed your "step up" to 8 x 10 because the right camera hasn't presented itself at the right price, this could finally be the ideal solution. This rugged all metal, all black camera is the perfect excuse to move up to the perfect format.

Substantial Metal Construction

The "U-Yoke" front and rear standard design provides substantial support and stability in this precision-engineered aluminum camera. Its professional, non-reflective black anodized finish minimizes image reflectance, which is essential to image excellence. Four spirit levels offer convenient alignment and fast set-up.

Precision Scaled Movements

Precision control is at your fingertips for all major movements: front and rear rise and fall, unlimited swings, sufficient tilts and practical lateral shifts on both standards. Factory installed calibration scales allow you to perform precision image corrections. Positive locking controls on all movements insure that you get what you want, when you want it, and click-stop detents on all movements offer extremely easy zeroing.

Extensive Accessory System

The Calumet 810N is completely compatible with the entire Calumet/Cambo accessory system, which means there's never a situation without a solution. Available for your convenience are wide angle bellows, compendium lens shades, reducing frames for both 4 x 5 and 5 x 7 formats, split back, bellows connecting frame, and accessory monorails. This system flexibility is essential to the ever-changing demands placed upon the professional studio photographer.

You no longer need to spend thousands of dollars for full 8 x 10 flexibility. In the time-tested Calumet tradition, here is a camera that certainly out performs its price.

Other Convenient 810N Features

- Systems capability from 8″ x 10″ to 6 x 9cm
- Precision engineered metal construction
- Interchangeable bellows and monorail sections
- Factory installed calibration scales for precision movements
- Positive locking controls on all movements
- Four spirit levels for convenient alignment
- Optical axis camera movements
- 8″ x 10″ spring back with grid
- Non-reflective-black professional finish
- Click-stop detents on all movements for easy "zeroing"
- One-year warranty

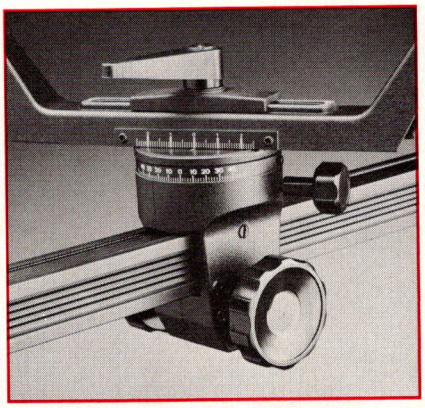
810N Specifications

- Die-cast aluminum construction
- Tilt: 60° (front and back)
- Swing: Unlimited
- Lateral Shift: 1.96″ (50 mm) front and back
- Rise and Fall: 3.74″ (95mm) front and back
- Maximum Extension: 27.75″ (705mm)
- Minimum Extension: (with recessed lensboard) 4.13″ (105mm)
- Lensboard: 6.37″ x 6.37″
- Swings and Tilts: Optical axis
- Weight: 18 lbs.

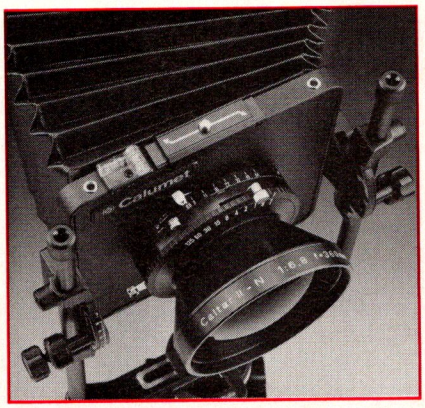
Calumet 810N View Camera

Includes: camera body with bellows tripod mount, and ground glass. Lens and lensboard not included.
CC4030 ..... **$1495.00**

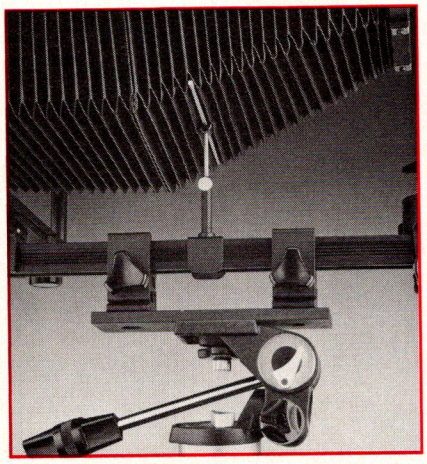
Flat Lensboard for Calumet 810N
CB0508 ..... **$29.95**



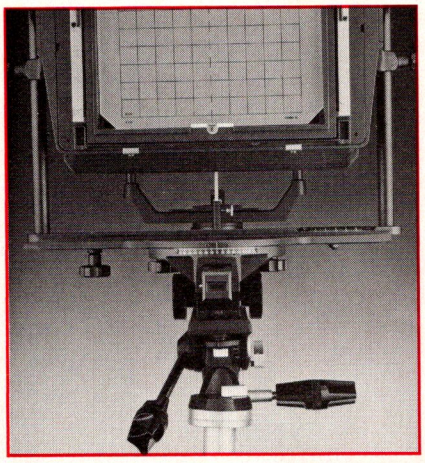
Separate control locks offer more precision control for lateral shift and swing movements on both front and rear standards. Calibrated scales insure accuracy and repeatability.



Single-release slide lock mechanism makes lensboard and interchangeable bellows removal quick and simple. Double spirit levels offer convenient camera alignment and leveling.



Standard bellows support is adjustable and can be placed anywhere on the monorail to eliminate vignetting caused by bellows sag. Double tripod block insures extra camera stability, and yet is designed for quick removal for easier tripod or stand mounting.

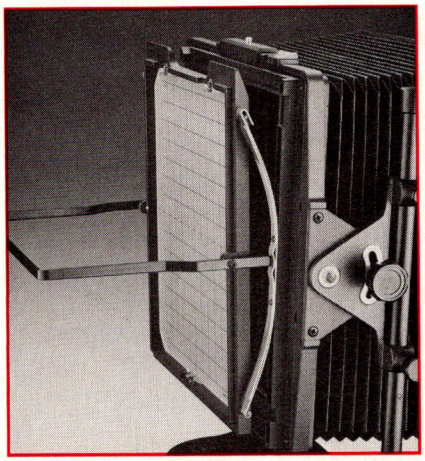


Calibrated swing movements and lateral shift provide precision control. Positive locking knobs insure secure positioning where you want it.

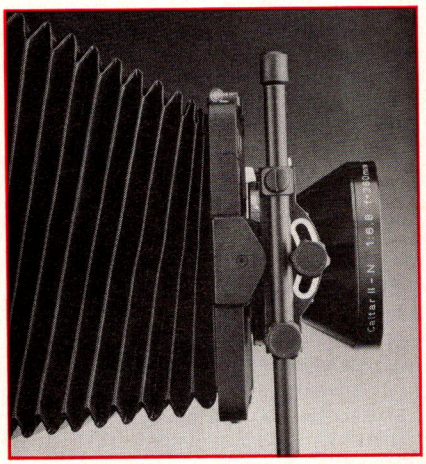
ACCESSORIES
for the Calumet 810N
see pages 16 and 17.

C-1 Lensboard Adapter

Quick and easy interchangeable lens capabilities between the old Calumet C-1 8″ x 10″ and the Calumet 810N is now available with this new lensboard adapter. No need to go through the trouble of removing your lens from its lensboard and remounting it. Simply slide mounted lens into adapter and lock into place. (accepts Deardorf 6″ board.)
CC8115 ..... **$99.95**

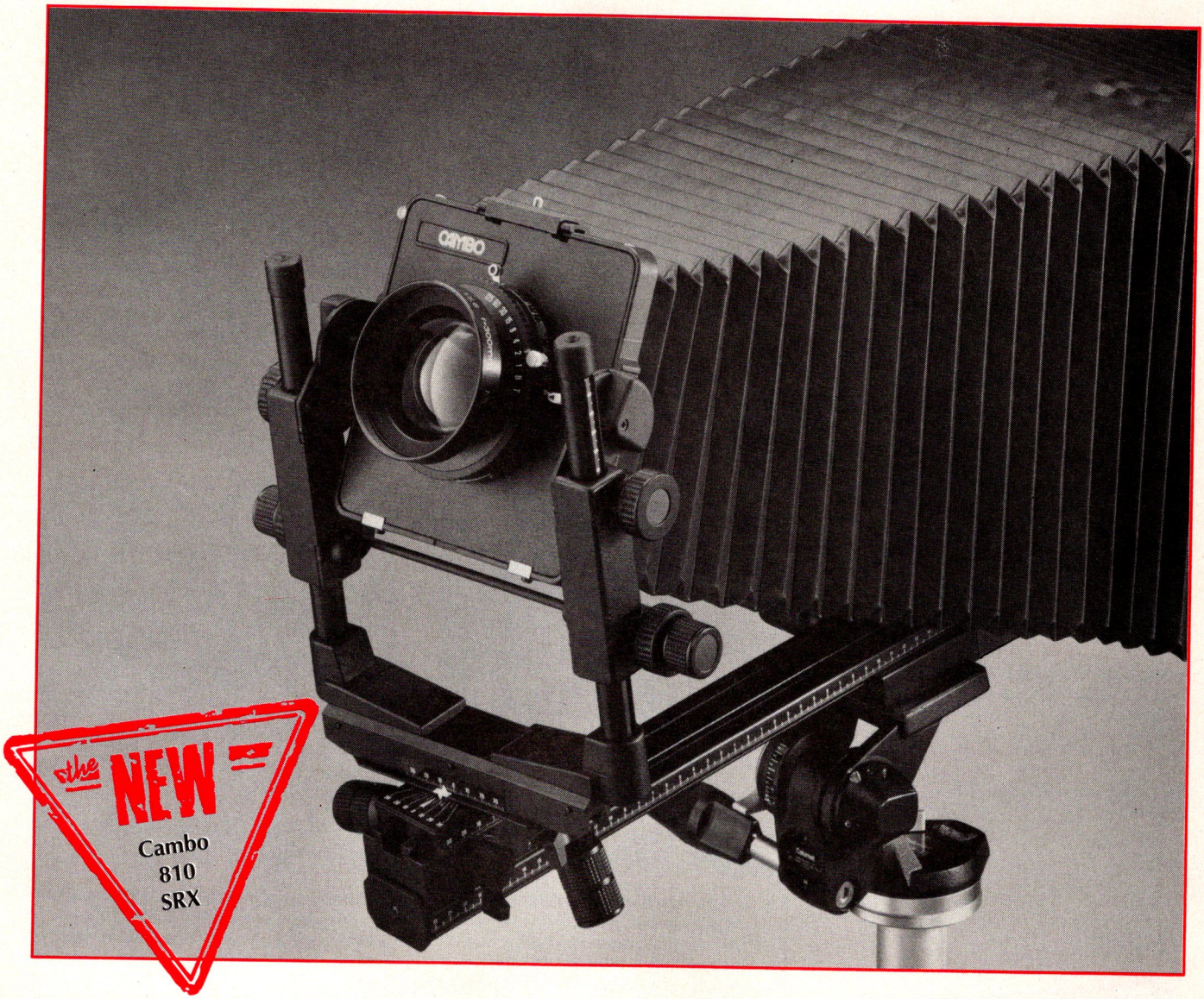


Built-in bail release on the ground glass back relieves back standard tension when inserting sheet film holders, thus reducing the risk of camera movement.



Covered tilt pivot plate offers extra protection, resulting in a more durable camera. Calibrated optical axis camera movements increase cameras ease of operation.

Cambo's Grand New 8x10!



The Essence of Studio Excellence

The new Cambo 810SRX has been designed to offer the professional studio photographer ultimate control over the ultimate format - 8" x 10". Like its predecessors, the 810SRX provides the solid support and exceptional stability that is so essential to the high quality imagery pros demand. What's new here is unprecedented focusing and movement control never before available in an 8 x 10 in the 810SRX's price range. Cambo comes thru again with precision image control at a modest price.

New Monorail and Focusing Movements

The 810SRX features a newly designed monorail which is not only extremely rigid, but features unobstructed standard movement and dual-range focusing. By allowing the tripod block and the focusing blocks to ride on separate sides of the rail, neither one blocks the other. This allows for quicker operation, especially when changing to different focal length lenses and from wide to close subjects. Cambo's new dual-range focusing block offers both rack and pinion fine-focusing AND quick, time-saving coarse focusing. With independent locks and knobs, the photographer can either fine-tune image sharpness with exacting, calibrated ease, or rapidly reposition the front or rear standard by releasing the block lock lever and sliding the standard back and forth. The entire monorail features scales on both sides for accurate repeatability, and accepts optional add-on extensions. Maximum stability is insured by the 810SRX's double tripod mounting block which locks and unlocks for free, full monorail movement. This feature can be used for focusing when critical reproduction ratios require the standards be set a certain distance apart.

Precision Scaled Standard Movements

The 810SRX's all-metal front and rear standards are not only solid, but all movements are calibrated for accurate and repeatable results. Independent control and lock knobs for each individual movement means precise placement of image and plane-of-focus, and control of image shape without unexpected "coincidental" movement. Precision rack and pinion drives control the rise/fall and lateral shift, while the swings and tilts feature friction movement. All-metal knobs with knurled-rubber inlaid grips offer comfortable non-slip control. Click-stop detents are provided on each movement at "zero position" for quick setup and additional reference. Spirit levels on both front and rear standards insure level setup and accurate standard/subject alignment.

Complete Accessory System

Additional adaptability and versatility is available to the 810SRX in the form of Cambo's extensive accessory selection. For your convenience and your flexible "problem-solving" solutions, choose from wide angle bellows, compendium lens shades, reducing frames and backs for both 4 x 5 and 5 x 7 formats, a split back and accessory monorails and add-on adapters. All of this means that there's never a situation without a solution.

Other 810SRX Features

- Flat black anodized finish for minimum reflectance in your subject
- Built-in bellows support
- Single-release slide lock mechanism for easy removal of lensboard, bellows, and ground glass back
- Built-in bail release on the ground glass back for easy film holder insertion - without moving the camera
- Optical axis tilt movement
- One-Year Warranty

810SRX Specifications

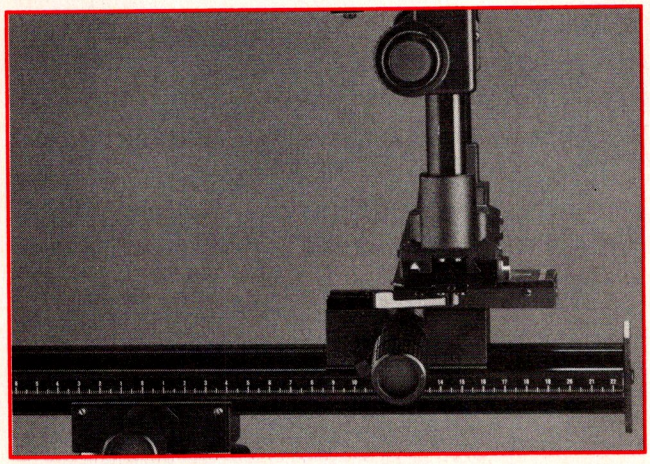
- Tilt (Front/Back): ±30°
- Swing (Front/Back): ±30°
- Lateral Shift (Front/Back): ±35mm
- Rise and Fall (Front/Back): 85mm
- Fine Focus Range (Front/Back): 64mm
- Maximum Extension: 29" (738mm) w/standard bellows
- Minimum Extension: 3.46" (88mm) w/recessed lensboard
- Weight: 20 lbs.

Cambo 810SRX
8 x 10 View Camera

Includes camera body, bellows, tripod mount and ground glass back. (Lens and lensboard not included.)
CB4040..... **$1895.00**

Flat lensboard for Cambo 810SRX
CB0508..... **$29.95**

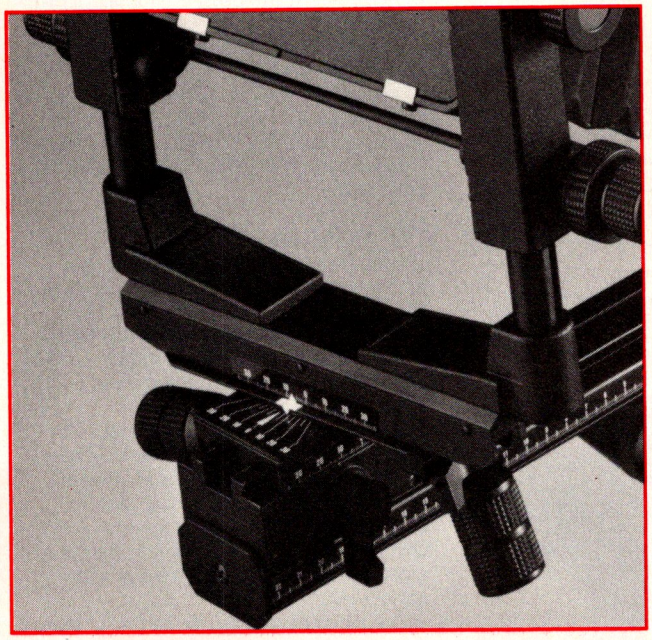
ACCESSORIES
for the **Cambo 810 SRX**
see pages 16 and 17.



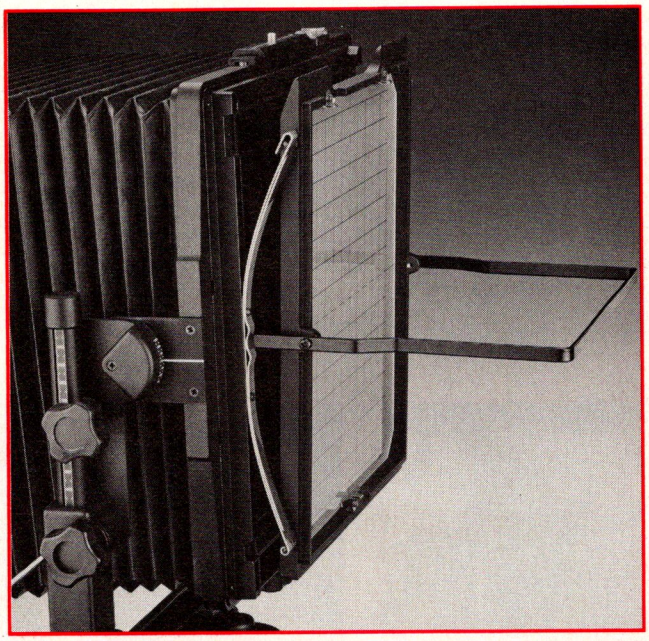
The new monorail design of the 810SRX allows for full-length, unobstructed standard movement, fine and coarse focusing control and add-on extension capabilities for quick close-up conversion.



Cambo's new fine/coarse focusing system features both precision scaled, rack and pinion focusing for finely-tuned accuracy, AND rapid, sliding standard movement for quick focal length and subject changes.

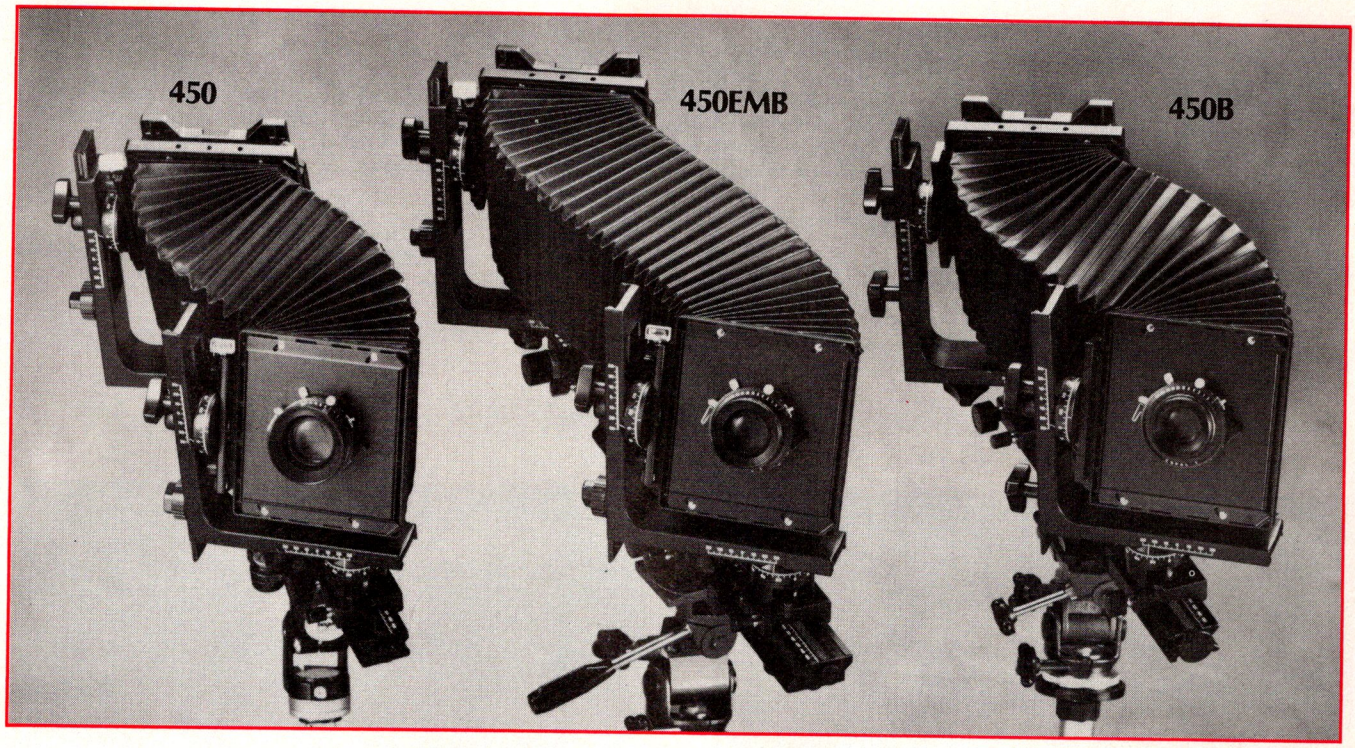


The 810SRX provides precision smooth rack and pinion lateral shift and rise/fall movements. Newly designed control and lock knobs offer positive grip and easy-to-manipulate movements.

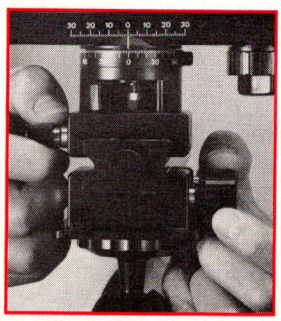


Cambo's easy-loading "bail release" ground glass back allows for safe film holder insertion, without the risk of moving the camera. A single-release slide lock allows for quick vertical/horizontal format changes.

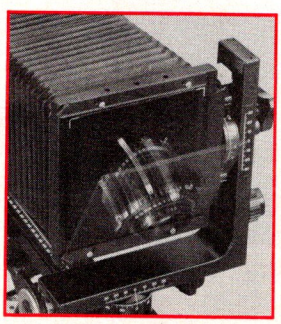
The Horseman



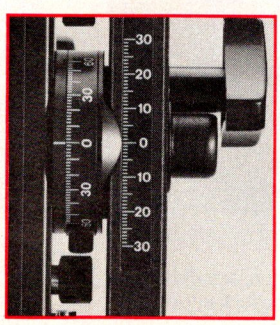
FEATURES	450B	450	450EMB
"H" Shaped Rail	YES	YES	YES
"L" Shaped Standard	YES	YES	YES
Film Axis Tilts	YES	YES	YES
Unimpeded Standard Movements	YES	YES	YES
No Need For Recessed Boards	YES	YES	YES
Right or Left Hand Operation	YES	YES	YES
Front and Back Calibrations	YES	YES	YES
Folds Flat	YES	YES	YES
Interchangeable Bellows	YES	YES	YES
Interchangeable Rails	YES	YES	YES
Positive Locks	YES	YES	YES
One-Year Warranty	YES	YES	YES
Rack and Pinion Front Focus	NO	YES	YES
Rack and Pinion Rear Focus	NO	YES	YES
Rack and Pinion Rail Movement	NO	YES	YES
Rack and Pinion Lateral Shift	NO	YES	YES
Rack and Pinion Rise	NO	YES	YES
Removable Frames	NO	NO	YES
Expandable Rail	NO	NO	YES
Extra Long Bellows	NO	NO	YES
Depth of Field Scale	NO	NO	YES



Left and right handed camera controls



Safety locks for better protection of lenses



Large, easy to read calibration scales

The Horseman 450-Series System

To be considered truly professional, a view camera must meet certain basic requirements. It must be rugged enough to withstand heavy, day in, day out usage without losing its precision, it must be extremely versatile while being simple and fast to use and it must be part of a broad system of accessories that will allow it to handle the numerous challenges a pro must face.

To be considered the ideal professional camera, it must also possess another, perhaps most important characteristic, VALUE.

Happily, there is not only one, but several cameras that meet these stringent requirements. Their name: HORSEMAN.

The Horseman 450-Series cameras offer more sophistication, flexibility and precision image control than any other cameras in their price range.

"H" Shape and "L" Shape

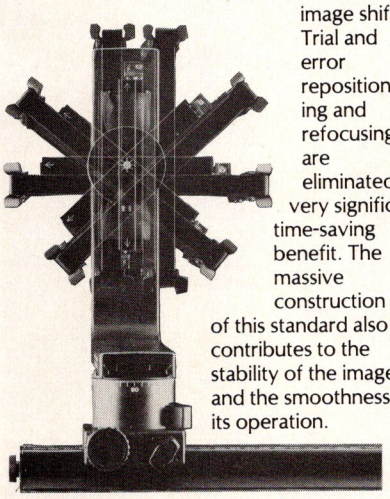
Shapes are important in determining the performance of a view camera. To achieve maximum versatility while retaining extraordinary rigidity, Horseman 450-Series cameras utilize two structural shapes, an "H" on its side shape for the monorail and an "L" shape for the standards.

The "H" shaped rail is the foundation of these cameras. It provides a rock-solid base for the standards which is virtually free of unwanted movement, including twist. In addition, both standards can travel unimpeded over the full length of the rail, a great benefit when doing macro or wide angle work.

The different appearance of the "L" shaped standard is a clue to the superior performance offered by the 450-Series cameras. Not only does this shape provide a clean, modern look, but it allows one of the most important view

450 - Series System

camera movements to be made, on-axis tilts. Unlike most other cameras, the Horseman cameras can tilt on the center axis of both the lens and film planes, retaining center focus and eliminating image shifts. Trial and error repositioning and refocusing are eliminated, a very significant time-saving benefit. The massive construction of this standard also contributes to the stability of the image and the smoothness of its operation.



Simple Single-Hand Operation

For even greater versatility, all locking and control knobs for the standard are on one side. This one-handed control can also be shifted to either side as the "L" shape and frame design provide for instant change over to right or left-hand operation. Large, easy to read scales on both sides of the standards not only make right or left-handed work possible but also facilitate working from the front or rear. For storage or field work, the 360° swings allow the camera to be folded flat and carried in an attache-type case.

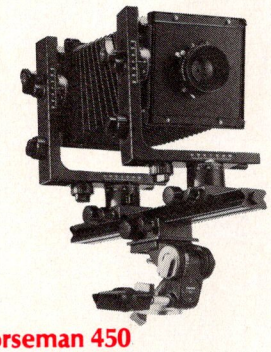
Wide angle work is greatly simplified by the combination of "H" rail and "L" standard. Difficult to use recessed lens boards are eliminated with Horseman cameras as the standards can move to within 60mm of each other. Shutter and aperture controls are clearly visible and readily available.

The System

No view camera can be complete without a system which offers growth potential. The 450-Series comprehensive accessory system includes a range of fixed rails, an expandable rail, extended length and bag bellows, roll film and reducing backs and a wide range of cases. Horseman also offers many special application accessories such as driving aids, a heavy duty quick shoe mount, a film plane 4 x 5 exposure meter, flip up compendium lens shade and conversions to other formats.

Horseman 450-Series Specifications

- Construction: Die-cast aluminum alloy
- Finish: Non-reflective, matte black
- Tilt: 360° (unlimited)
- Swing: 360° (unlimited)
- Rise and Fall: 60mm (front and back)
- Lateral Shift: 60mm (front and back)
- Spirit Levels: 2 (rotating)
- Swings and Tilts: On-axis
- Back: International with cm square ruled ground glass

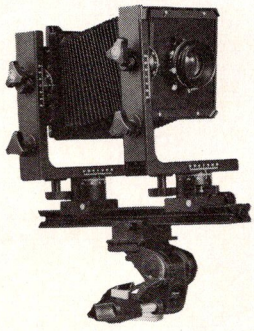


Horseman 450

The Horseman 450 is the standard model of the 450-Series. It is similar to the EMB except it has a fixed 390mm (15¼") rail with standard bellows and no depth of field scale. All other functions are the same. The 450 is the ideal choice for all general purpose photographic applications, and is especially applicable to product and architectural work.

Horseman 450 View Camera

Includes: Camera body with bellows, tripod mount, ground glass and fresnel lens. (Lens and lensboard not included.)
HR4500 ..... **$1495.00**



Horseman 450B

This camera is the perfect entry to the Horseman system. All of the basic benefits of the Horseman design and system are available in the 450B. It differs from the 450 in having manual rise and lateral shift movements, rack and pinion focusing on the front standard only, manual movement of the rail and fixed frames. Compare its performance and price to other view cameras. You'll find it an outstanding value.

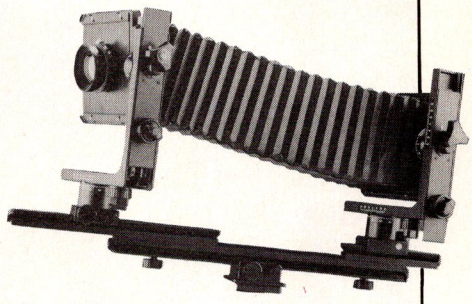
Horseman 450B View Camera

Includes: Camera body with bellows, tripod mount and ground glass back. (Lens and lensboard not included.)
HR4503 ..... **$895.00**

Flat Lensboard for 450-Series Cameras
HR4695 ..... **$29.95**

Depth of Field Scale Conversion

Available for all Horseman 450, 450B and earlier 450EMB model cameras. *(Requires factory installation.)*
Call for details **$99.95**



Horseman 450EMB

The flagship of the Horseman 450-Series cameras is the 450EMB. This camera provides all the basic benefits of the 450-Series plus features of great value to the pro with the heaviest work load. The EMB stands for "extended monorail and bellows." When doing macro work, most cameras require changing or adding bellows or rails. Not so with the 450EMB. Its unique rail design allows for instant expansion or reduction of length to accomodate both standard and macro work. The special bellows compliments the rail and eliminates the need for extension bellows to the full 700mm, or 27½", extension range, capable of a 2:1 ratio with a 210mm lens.

Macro work often requires focusing with the rail instead of standard. The EMB features a rack and pinion tripod mounting block. Bellows draw can then be set for a specific reproduction ratio and smooth focusing accomplished with the mounting block.

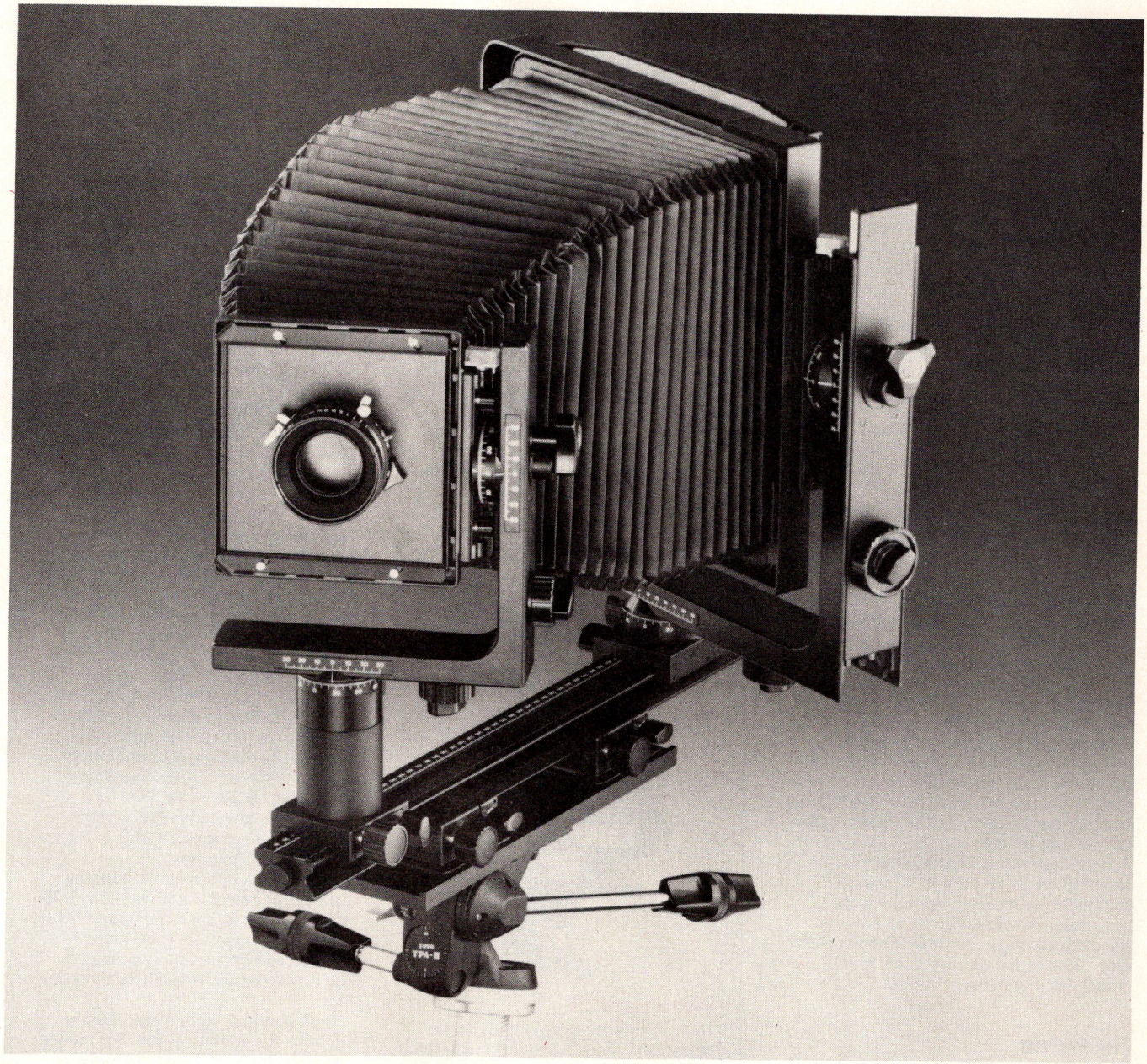
Both standards feature rack and pinion focusing, rise and lateral shift. The frames can be removed and replaced for work with other formats. Spirit levels on both frames facilitate set up.

One of the most time consuming chores, depth of field determination, has been simplified by the 450EMB. A special depth of field scale allows you to quickly set both focus and lens aperture for optimum depth of field. With the 450EMB, it's as simple as 1,2,3. Three simple movements are all that are required to set both conditions.

Horseman 450EMB View Camera

Includes: Camera body with bellows, tripod mount, ground glass and fresnel lens. (Lens and lensboard not included.)
HR4506 ..... **$1795.00**

LARGE FORMAT
Horseman 810N



The Horseman Optical Bench View camera system has been expanded to the 8 x 10 format. The Horseman 810N features the ease of single-handed operation and fluid smooth movements that professional photographers have come to expect and enjoy from this outstanding system. This professional studio view camera is constructed of die-cast and machined aluminum alloy to withstand the rigors of daily use. The Horseman 810N view camera offers the same advantages as the renowned Horseman 450 including Horseman's focus retention system made possible by the optical axis swing and tilt of the L-shaped standards. The precision and fine engineering which has made the Horseman 450 a leader in its class is even more evident in this larger model.

Most of the Horseman 450 components and nearly all of its accessories are compatible with the Horseman 810N. The modular design permits practical compatability between Horseman 4 x 5 cameras and the 8 x 10 format.

The Horseman 810N features 30mm of rise and fall on both the front and rear standards. A solid 700mm monorail combined with a double tripod mounting block assembly offers a rigid base for this superb camera.

Features

- Rugged "L" support system for maximum stability
- Rack and pinion focus, rise and lateral shift for fluid smooth focusing
- Positive locks offer fingertip control
- On-axis swings and tilts
- Movement calibrations are easy to see from the front or back
- Interchangeable bellows and monorail
- One-year warranty

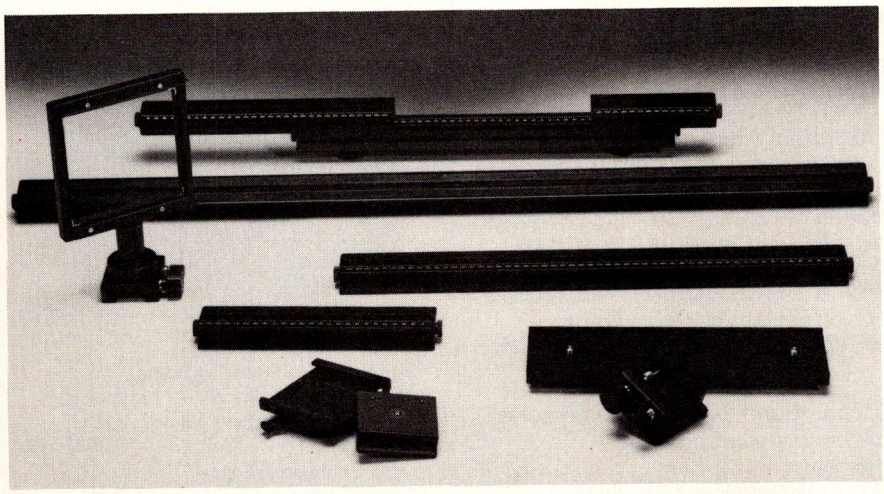
Specifications

- Construction: Die-cast aluminum alloy
- Tilt: 360° (unlimited) on axis
- Swing: 360° (unlimited)
- Rise and Fall: 2.36" (±30mm) front and back
- Lateral Shift: Front – 1.18" (30mm) left and right; Rear – 1.18" (30mm) left and 2.36" (60mm) right
- Weight: 8.5 Kilograms (18.7 lbs.)
- Extension: Max: 27.55" (700mm) Min: 2.75" (70mm)

Horseman 810N
View Camera

Includes: Camera body with bellows, tripod mount, ground glass. Lens and lensboard not included.

HR8101 ..... **$2695.00**



Horseman Extra Long Monorail Conversion Kit

Attention 450 and 450B Owners: Extend the close-up and high magnification capabilities of your camera with this convenient conversion kit. This kit contains several components including: a one meter long monorail, an additional standard Horseman bellows (390mm), an intermediate bellows connecting frame, one additional tripod block, and a support base.

When using the camera in this configuration the original tripod block is used with the additional block to provide the necessary support for such a long monorail. The two tripod blocks are mounted to the support base which is then mounted to the tripod or stand. This arrangement preserves the precise focusing ability of the Horseman 450 by allowing the entire one meter rail assembly to be moved, via rack and pinion, back and forth relative to the tripod mounting position. Each of the components of this kit is also available separately.

HR4629 ..... **$649.95**

Horseman Extra-Long Bellows

28″ maximum extension
HR4605 ..... **$189.95**

Horseman bellows connecting frame
HR4627 ..... **$199.95**

Extendible Monorail

This unique monorail for the Horseman 450 can be expanded from a standard length of 500mm (20″) to an extended length of 700mm (27¼″). Ideal for close-up and macro photography.
HR4619 ..... **$229.95**

Bellows Support for Expandable Monorail
HR8104 ..... **$39.95**

Horseman Monorails and Accessories

9.75″ wide angle monorail
HR4684 ..... **$79.95**

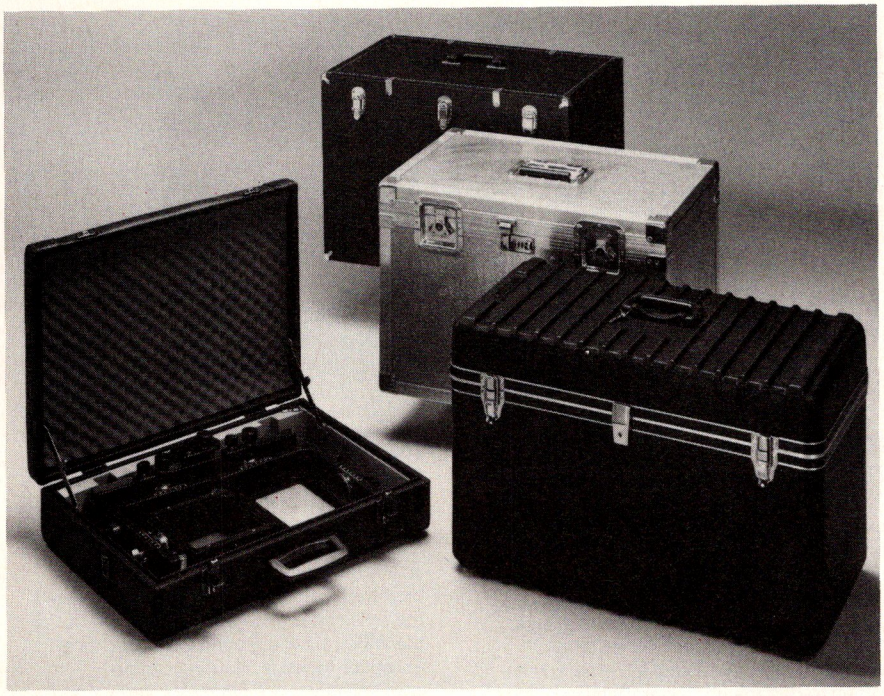
22″ close-up monorail
HR4618 ..... **$119.95**

Extra-Long 700mm Monorail (27¼″)
HR8103 ..... **$179.95**

One meter macro monorail
HR4620 ..... **$199.95**

Horseman tripod mounting block
HR4624 ..... **$69.95**

Horseman support base
HR4625 ..... **$129.95**



Horseman Attache

A slim compact case designed to hold the Horseman 450 and 450EMB cameras. Perfect for photographers who prefer one case for the camera and a second case for accessories. Outside dimensions: 21¼″(W) x 16″(D) x 5¾″(H).
HR4650 ..... **$159.95**

Calumet Deluxe Case

This rugged and flexible case features an adjustable divider system which allows you to space the main partitions to suit your specific camera configuration or storage space needs. Fully padded interior measures 10½″(W) x 24″(L) x 15″(H).
CC4525 ..... **$149.95**

Horseman Economy Case

Fits Horseman 450 and Cambo SCX cameras. Features vinyl covered plywood construction for strength and rigidity. Felt lined partitions and compartments provide plenty of space for film holders, lenses, and other accessories. Ext. size: 13¾″ x 22⅝″ x 15½″ Wt. 15.5 lbs.
HR4657 ..... **$109.95**

Calumet Heavy Duty Aluminum Case for Horseman 450

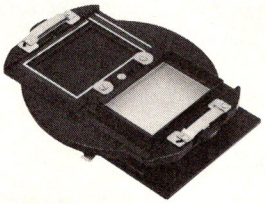
Literally built to last a lifetime – maybe several. And, since you won't be around to prove it, you'll just have to take our word for it! It's attractive, textured aluminum surface is backed by ¼″ plywood for rigid support and protection. All edges are reinforced with wrap-around, brushed aluminum braces, while the corners are triple protected with additional caps.

Case is protected by two recessed latches and built-in Presto combination lock. Comfortable carrying handle is recessed into lid and is self-retracting. Overall Dimensions: 22¼″(L) x 14¼″(W) x 16″(H).
CC4530 ..... **$249.95**

Horseman Metal Attache

A rugged aluminum case designed specifically for either the 450 or 450EMB view cameras. Outside dimensions: 21¼″(W) x 17¼″(D) x 6″(H). Not pictured here.
HR4652 ..... **$239.95**

Prices are subject to change without notice.



Horseman Rotary Back Model III

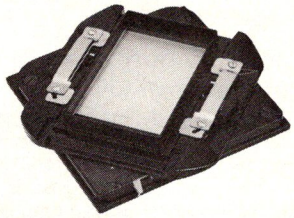
The Model III Rotary Back differs from the Model II back in that it is designed *specifically for use on the Horseman 450.* This dedicated design reduces the rear film plane extension to 18mm. The rotary back is ideal for photographers that make extensive use of roll film. This accessory allows for quick and easy switching from roll film back to ground glass without using a dark slide. The rotary back is supplied with a ground glass screen and utilizes the same 2¼ x 3¼ international lock system as the Horseman VH-R. VH-R accessories such as roll film backs and the optical angle viewer are, therefore compatible. International locking backs of this size other than the Horseman VH-R holders may also be used. For instance, Mamiya RB-67 roll film backs can be utilized although the dark slide must be removed.

HR4633 ..... **$399.95**

Horseman Rotary Back Model II

Features rotating glass screen and opening for 6 x 9cm international lock accessories. Ground glass rotates into position for easy focusing, then the film holder or roll film back rotates into position for exposure without using dark slide. For all Graflock back cameras.

HR4632 ..... **$399.95**



Horseman 6 x 9 Revolving Back

A reducing back from 4" x 5" to 6 x 9cm that accepts Horseman VH-R accessories. Supplied with slide lock type 6 x 9cm ground glass back.

HR4649 ..... **$299.95**

Roll Film Holders for 6 x 9 cm Revolving Back

6 x 9cm, 2¼" x 3¼", 8 exposures on 120 roll **HR9310** **$229.95**

6 x 7cm, 2¼" x 2¾", 10 exposures on 120 roll **HR9320** **$229.95**

6 x 9cm, 2¼" x 3¼", 16 exposures on 220 roll **HR9330** **$229.95**

6 x 7cm, 2¼" x 2¾", 20 exposures on 220 roll **HR9340** **$229.95**

Sheet film holder 6 x 9cm 1 exposure
HR9305 ..... **$39.95**

Polaroid pack film holder (accepts #600 series film packs)
HR9360 ..... **$199.95**

Horseman Lensboard

Horseman Lensboard for 450, 570, 810.
HR4695 ..... **$29.95**

Horseman 450 Adapter Lensboards

Accepts Calumet 4" x 4" Flat Lensboards
HR4698 ..... **$129.95**

Accepts Linhof Technika and Wista 45 DX Lensboards
HR4696 ..... **$159.95**

Accepts Horseman VH-R Lensboard
HR4697 ..... **$159.95**

4 x 5 Ground Glass and Accessories

Horseman standard ground glass
HR4612 ..... **$39.95**

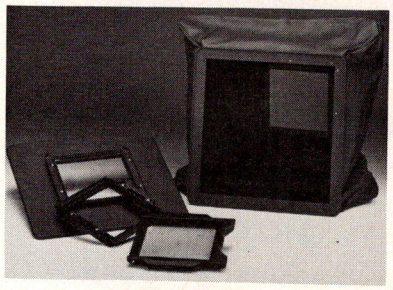
Horseman Aerial Image Ground Glass
This special screen is designed for microscopic photography and extreme low-level light conditions where it is advantageous to observe and focus upon the image formed in the air ("aerial image").
HR4615 ..... **$119.95**

Horseman Fresnel focusing screen (Replacement)
HR4616 ..... **$49.95**

Beattie Intenscreen for Horseman 450
BT0055 ..... **$129.00**

Replacement Spirit Level for Horseman 4 x 5 and 8 x 10 cameras
HR4622 ..... **$16.95**

Horseman 8 x 10 Accessories



8 x 10 to 4 x 5 Reducing Frame
Requires use of HR4598 4 x 5 connecting frame and HR4596 4 x 5 ground glass back **HR8109** **$279.95**

4 x 5 Connecting Frame
For use with 8 x 10 to 4 x 5 reducing frame.
HR4598 ..... **$89.95**

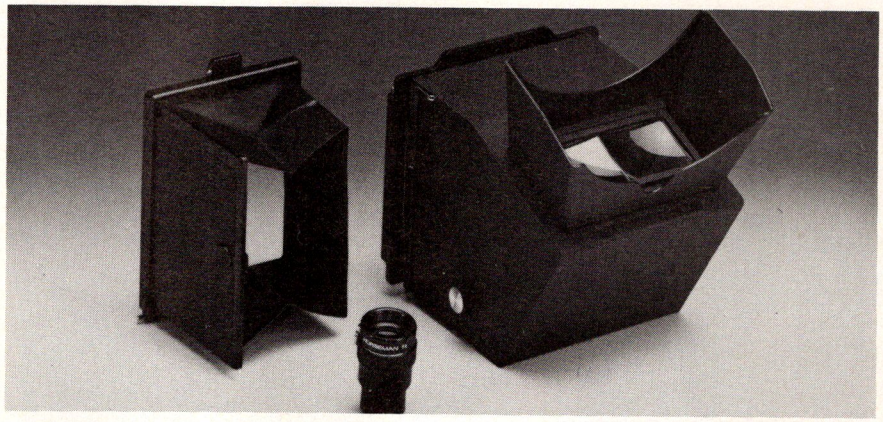
4 x 5 Ground Glass Back
For use with 4 x 5 Connecting Frame.
HR4596 ..... **$189.95**

8 x 10 Wide Angle Bellows
HR8111 ..... **$349.95**

8 x 10 Replacement Bellows
HR8112 ..... **$349.95**

8 x 10 Replacement Ground Glass
HR8114 ..... **$39.95**

Beattie Intenscreen for Horseman 810
BT0110 ..... **$159.00**



Horseman Folding Focusing Hood

The Horseman folding focusing hood is an excellent accessory for the location photographer. It is operated much the same way as the folding hoods on the old Graflex type cameras. When extended the hood provides enough shading for good ground glass viewing under most conditions, especially when used with a Fresnel screen. When folded the hood literally takes up no extra space when stored on the back of the camera making it ideal for those using the Horseman attache carrying case. The folding focusing hood is also hinged so that it can be swung out of the way while a lupe is easily placed on the ground glass for precise focusing without removing the entire hood.

Horseman folding focusing hood
HR4609 ..... **$79.95**

Horseman Mirror Reflex Viewer

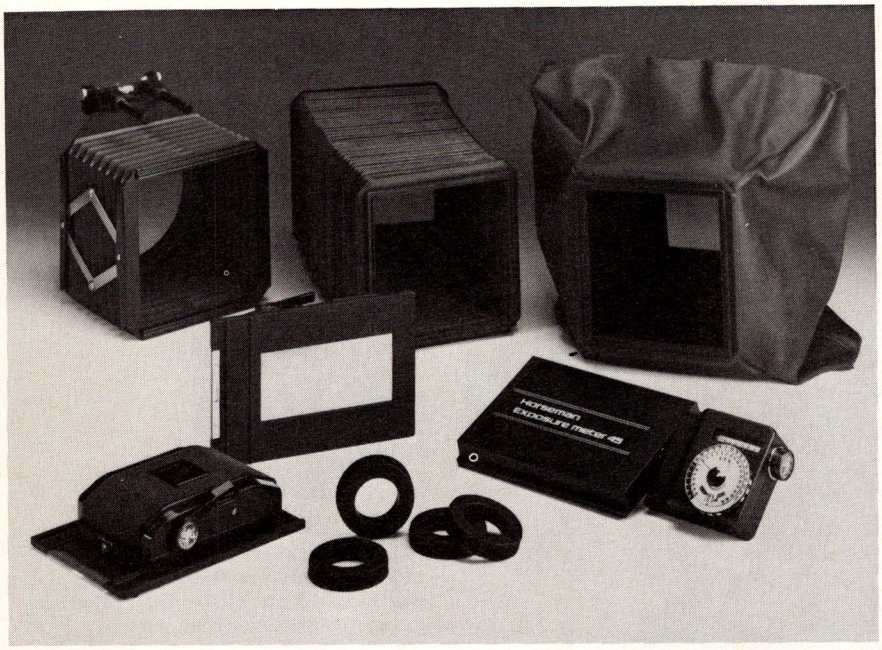
This full vision viewing binocular system provides right-side-up viewing for easier composition, and eliminates the need for a focusing cloth. It features 1.5 magnification on an adjustable mirror for optimum image brightness. A hinged mounting frame allows the reflex housing to be easily flipped out of the way from the ground glass for critical magnifier focusing. Housing can be conveniently repositioned for vertical and horizontal formats. A tensioning chain prevents excessive back opening.

HR4610 ..... **$299.95**

Horseman Focusing Magnifier

7X magnification with dioptric adjustment. 3 lens element in two groups. Complete with case and neck strap.

HR4611 ..... **$39.95**



Horseman Bellows Lens Shade with Filter Holder

Considered by many to be the most important view camera accessory, the compendium lens shade is the only accessory that can have a direct effect on image quality. The Horseman bellows lens shade is one of the lightest compendiums available for any view camera. Its compact size when folded also means that it takes up minimal space in the accessory case. The mounting hardware is very positive, yet the convenient hinge design makes it extremely easy to flip up the shade to make lens adjustments and cock the shutter. The shade is supplied with three different filter masks for 3 x 3, 4 x 4, and 5 x 5 gel filters. The front of the shade is also slotted for use as a matte box or for additional special effect filters. The shade will accommodate lenses up to 125mm in dia. (Current model not pictured.)

HR4640 ..... **$299.95**

Replacement Filter Masks for Lens Shade (set of three)

HR4648 ..... **$14.95**

Horseman Wide Angle Bellows

The wide angle or "bag" bellows is used with lenses 90mm or shorter in focal length. This bellows is especially suited for architectural and interior photography where short lenses and maximum movements are necessary. An ideal companion accessory to the wide angle bellows is the 9.75" monorail.

HR4606 ..... **$179.95**

Horseman 9.75" Short Monorail

HR4684 ..... **$99.95**

Horseman Standard Square Bellows – 22" maximum extension

HR4603 ..... **$169.95**

Horseman Driving Aid

A black rubber wheel that fits over lateral shift, rise and fall knobs. Provides larger gripping surface for easier operation.

HR4621 ..... **$12.95**

Horseman Roll Film Holders for All Cameras with 4 x 5 International "Graflock" System

Horseman roll film holders combine the creativity of view camera movements with the economy and convenience of roll film. These precision made backs are not only an excellent match to the Horseman 450, but are also usable on any camera designed with the 4 x 5 international locking system. The roll film holders are available in 6 x 7 and 6 x 9cm sizes in both 120 and 220 film sizes.

Horseman 6 x 7cm 120 Roll Film Holder

HR4637 ..... **$249.95**

Horseman 6 x 9cm 120 Roll Film Holder

HR4634 ..... **$249.95**

Horseman 6 x 7cm 220 Roll Film Holder

HR4639 ..... **$249.95**

Horseman 6 x 9cm 220 Roll Film Holder

HR4638 ..... **$249.95**

Replacement Dark Slides for Horseman Roll Film Holders

HR4701 ..... **$6.95**

Horseman 4 x 5 Optical Exposure Meter

This large format through-the-lens exposure meter slides into the camera back just like a film holder, and automatically compensates for bellows extension and filters. Measures light over the entire 4 x 5 area for a fully integrated reading. This meter has three ranges and excellent low range sensitivity for long bellows extension and small aperture applications.

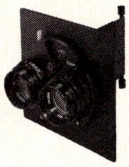
Specifications

- ASA Range – 3 to 12.000
- Shutter Speed Range – 1/500 to 30 min.
- FSV Range – 5 to 19

HR4680 ..... **$469.95**

Replacement Battery **DU6195** **$7.00**

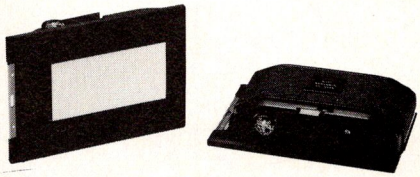
See pages 68-70 for more information this and other meters.



Horseman Split Image Adapter

Makes two separate images on one 4 x 5 film. Features two 135mm f4.5 lenses mounted with integral shutter.

HR4690 ..... **$599.95**

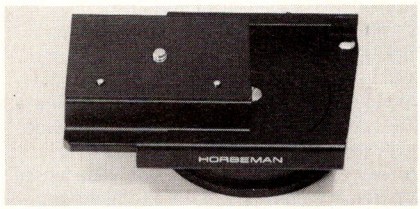


Horseman 6 x 12cm Roll Film Holder

The 6 x 12cm panoramic format offers exciting and economical possibilities for architectural and landscape work where narrow horizontal and vertical panels are required. It is especially effective with wide and super wide angle lenses. This 6 x 12cm holder offers new roll film possibilities with its unique 2:1 width to height ratio. For example, with a 65mm lens the field of view covers 88 degrees of arch. By using roll film as opposed to sheet film to achieve this large panoramic format, it is more efficient both economically and in terms of space. It also allows the use of film emulsions not available in sheet film sizes. The 6 x 12cm film holder fits all 4 x 5 cameras with International backs and yields six exposures on 120 roll film.

HR4630 ..... **$429.95**

Replacement Dark Slide for Horseman 6 x 12cm Holder **HR4702** **$7.95**



Horseman Quick Shoe

The Horseman Heavy-Duty Quick Shoe is a must for quick and safe mounting of any large format camera to your tripod. No longer is it necessary to grapple with the task of holding onto your view camera for dear life while you try to locate the threaded receptacle for the tripod bolt. The Horseman Quick Shoe permits quick, one-touch mounting of even the heaviest view camera on your tripod.

Dimensions

Main body: 3.54"(W) x 4.64"(D) x 1.22"(H)
Adapter: 3.14"(W) x 3.22"(D) x .74"(H)

Horseman Heavy-Duty Quick Shoe with Adapter-for all view cameras.

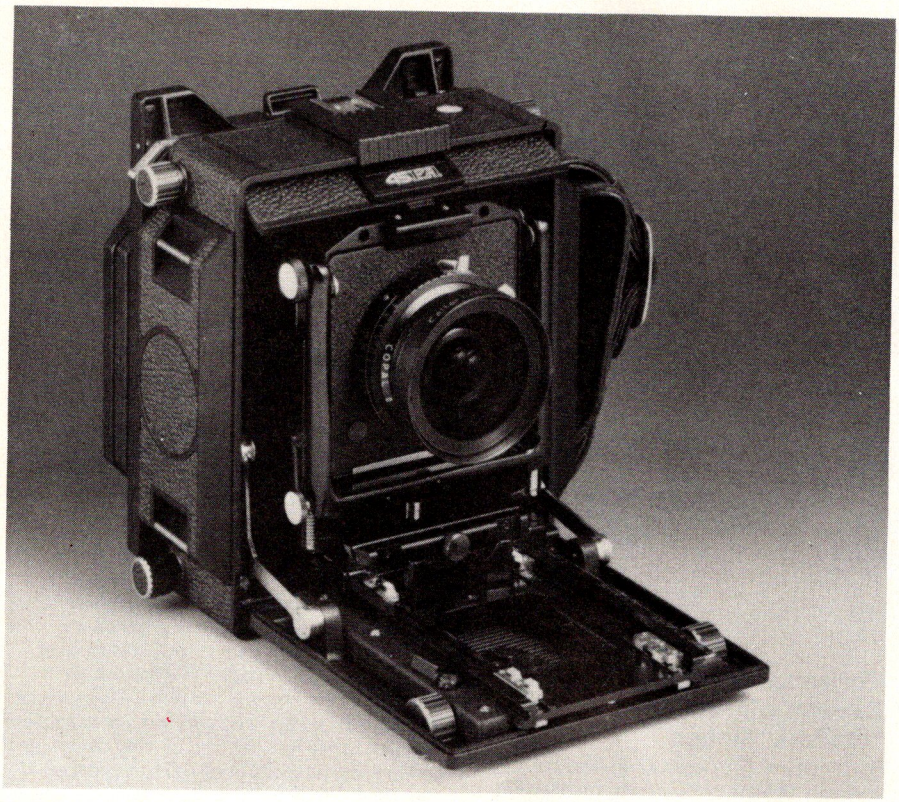
HR4800 ..... **$129.95**

Adapter for Quick Shoe

HR4801 ..... **$27.95**

Quick Shoe w/o Adapter-for direct mounting to Horseman view cameras.

HR 4805 ..... **$89.95**



Horseman 45FA

The best of both worlds! Horseman's 45FA metal field camera combines the strength and precision of machined metal construction with compact size and portability.

The Horseman flat bed design folds up into a compact 7.28" x 6.57" x 3.74" package, easily transportable in any backpack. The 45FA offers substantial perspective correction movements, especially important in architectural work. A 10¼" bellows draw makes it practical to use lenses up to 150mm, while a minimum extension of 2⅓" will allow you to use wide angle lenses down to 65mm. This camera is especially well suited for wide angle photography because it features an increased front standard rise with wide lenses focused at infinity. The 45FA also features a removable International 4 x 5 back for easy vertical to horizontal changeover.

The 45FA will accept the complete line of Horseman 4 x 5 Roll Film Holders for 6 x 7 cm, 6 x 9 and the panoramic 6 x 12cm formats, plus all Polaroid 4 x 5 film holders.

Additional Horseman accessories, such as the Folding Focusing Hood and Rotary Back, can also be adapted.

Specifications

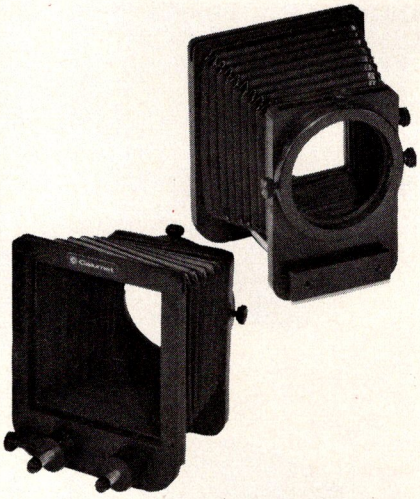
- Front Rise: 28mm
- Front Swing: 15° right or left
- Front Tilt: 10° forward, 15° backward
- Front Shift: 30mm left or right
- Back movements: 4-way swing/tilt possible
- Maximum bellows extension: 10¼" (260mm)
- Minimum bellows extension: 2⅓" (65mm)
- Lensboard: accepts Horseman VHR lensboards (see page 52)
- Folded Size: 7.28" x 6.57" x 3.74"
- Weight: 3 lbs. 12 oz.

Includes: body, bellows, ground glass and fresnel lens. *Lens and lensboard not included.*

HR4504 ..... **$1495.00**

Horseman flat lensboard (Copal O)

HR9191 ..... **$39.95**



Calumet Bellows Lens Shade

Finally, an adjustable lens shade for large format field cameras. The new Calumet Bellows Lens Shade offers flexible positioning to ward off unwanted light, and thus, unwanted lens flare.

Designed specifically for field cameras, this shade can be attached directly to most popular large format lenses with the use of an optional threaded mounting ring. Its track-mounted vinyl bellows will extend or retract to accommodate various focal lengths *(from 90mm and up to 4' x 5')*, and can be swiveled in any direction to block out extraneous light. Plus, it self-locks in any position, exactly where you want it, with no "oops" while you try to locate the lock knob.

The Calumet Bellows Lens Shade also features a built-in filter drawer in front of the lens which will accept 3" x 3" filters.

LD0100 ..... **$89.95**

Mounting Rings

Available in 49mm thru 77mm.

(Consult with your Calumet Technical Sales Representative for mounting information.)

Specify size:

49mm thru 67mm **$11.50**

72mm, 77mm **$16.95**

in stock
AVAILABILITY

Tenba Field Camera Bag

This 16" x 10" x 8" bag is ideal for storing and transporting your field camera and all its necessary accessories. It will hold your camera, several lenses, sheet film holders, a light meter, Polaroid film holder and film. Also features zippered, gussetted front pocket, adjustable shoulder strap and adjustable dividers.

TE6000 ..... **$99.95**



need it
YESTERDAY?
Special 24-hour delivery available. Call for details.

Calumet Wood-Field XM

A Classic Design with Contemporary Movements

Designed in the folding flat-bed tradition for the ultimate in field portability, the Wood-Field XM is both lightweight and compact. And, unlike most field cameras, the XM *does not* scrimp on perspective, shape and focus control movements to attain its field status.

A Camera for All Seasons and Reasons

The Wood-Field XM not only meets all of your landscape needs, but is ideally suited for the full range of architectural problems – be they exterior or interior. Its flexible 12" bellows extension will accommodate all lenses between the normal field 150mm to the super-wide 65mm *(on a flat lensboard!)*.

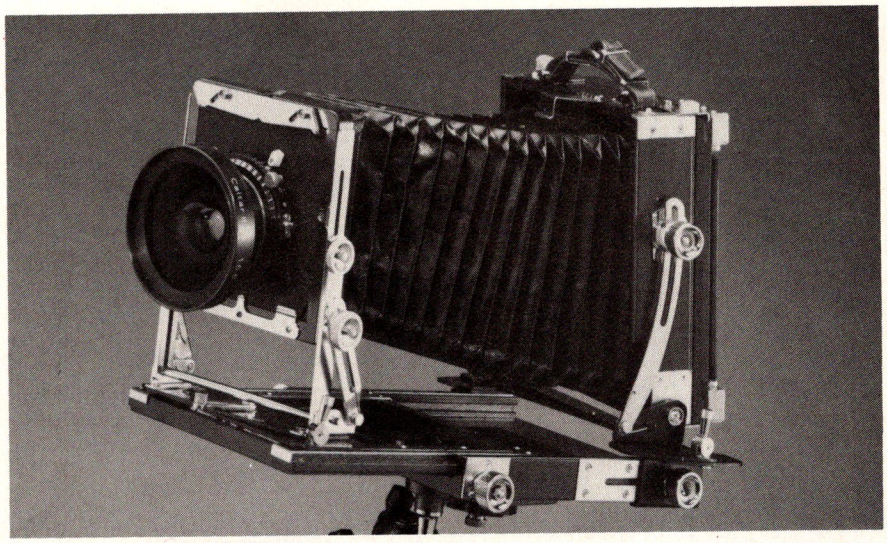
For tightly cropped close-ups and fine detail work, 1:1 reproduction ratios are possible with 135mm lenses. All types of portraiture – from informal environmentals to classic head and shoulders – never looked better until rendered in large format.

All the Right Moves

Most field cameras offer just enough perspective and focus control movements to eek by an occasional architectural shot or fudge through a found object or product shot. But the Wood-Field XM features fully functional front and rear movements which means undaunted diversity. Consider the following:

Front Rise and Fall: 2½"
Front Swing: ± 12°
Rear Swing: ± 12°
Front Tilt: forward-40° back-40°
Rear Tilt: forward-55° back-25°

In addition to these impressive numbers, the Wood-Field XM also has a sliding rear standard which can be moved forward up to 1¾". This can be used for quick, rough focusing or can be particularly helpful when using super-wide lenses because it helps



eliminate the possibility of picking up the front focusing bed in your image area.

Calibrated scales are included on the focusing bed and on the front rise and fall movements, and zero detents are provided on the front and rear tilts.

Built To Last and Last and Last . . .

The cherrywood construction of the Wood-Field XM is not only a sight to behold, but will hold up to daily use. This beautifully finished hardwood is first kiln-dried so it won't warp when exposed to extreme temperature and humidity conditions. Durable tongue and groove joints and dependable brass hardware offer extra rigidity and aesthetic symmetry.

The Wood-Field XM's unique spring-loaded swing-arm back offers easy insertion of all sheet film and Polaroid holders, and the Calumet C-2 and C-2N *(see page 32)* roll film holders. For convenient composition and hassle-free focusing, a ground glass with ⅜" grid and a bright fresnel lens are standard equipment.

Other specifications include:
Folded Size: 8"(h) x 8½"(w) x 3½"(d)
Weight: 3 lb. 13½ oz..
Mount: both ¼-20 and ⅜"
Lensboard: 3¾" x 3⅞" *(accepts both Wista and Linhof metal boards)*
Bellows: 12" maximum extension
2½" minimum extension

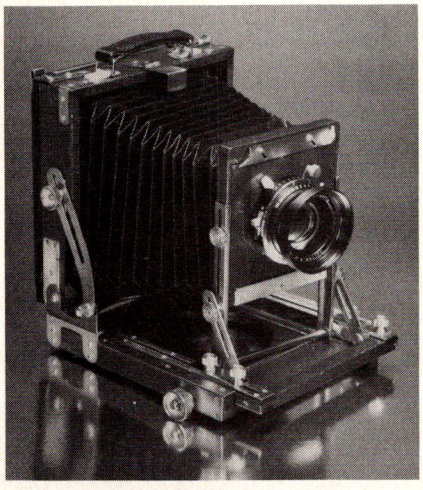
Calumet Wood-Field XM comes complete with gridded ground glass, fresnel lens, adjustable hand strap and soft, pleated leather bellows. Lens and lensboard not included.

WF1000 ..... **$529.95**

Calumet Wood-Field XM Lensboard
LB1000 ..... **$29.95**

Calumet Wood-Field

Quality Craftsmanship Affordable Price!



The Calumet Wood-Field is a unique combination of quality craftsmanship and economical value. This rugged and lightweight field camera is constructed of solid cherry wood with brass colored controls and accents. Made by one of the world's major wooden field camera manufacturers, the Calumet Wood-Field is both well constructed and affordable.

The camera comes completely assembled and includes the ground glass back.

The 90mm circular opening in the bed means the camera can be folded and carried with most lenses up to 150mm in place.

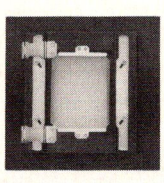
Specifications

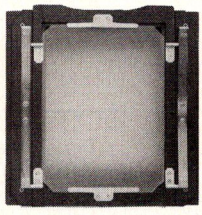
- Construction: Lacquered cherry wood with brass colored metal controls and accents.
- Maximum bellows length: 11.5" (292mm)
- Minimum bellows length: 2⅛" (54mm)
- Front tilt: 80° forward, 15° backward
- Rear tilt: 45° forward, 15° backward
- Front swing: ±10° total
- Rear swing: ±10° total
- Front rise: 1¾" (45mm)
- Weight: 2¾ lbs.
- Horizontal/vertical back accepts standard 4 x 5 sheet film holders, Polaroid® 545, 550, and 405 holders.
- Focusing: flat bed dual track rack and pinion
- Tripod mount: ¼-20 standard U.S.
- Carrying strap included
- One-year warranty

Calumet Wood-Field comes complete with body and bellows, ground glass back and carrying strap. Lens and lensboard not included.

CW1000 ..... **$389.95**

Calumet Wood-Field Flat Lensboard
CW1010 ..... **$29.95**





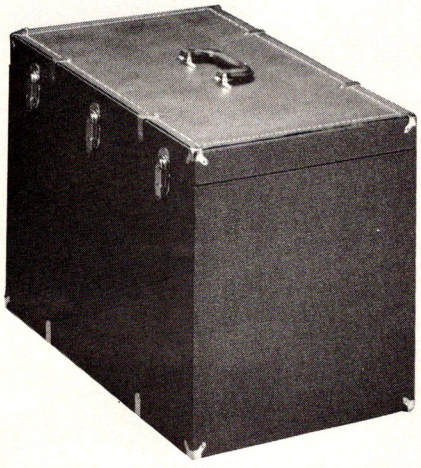
Wood-Field Accessory Back

5" x 7" Adapter Back
Attaches easily to accept 5" x 7" film holders. (will not fit Wood-Field XM models.)
CW1600 ..... **$149.95**

Prices are subject to change without notice.

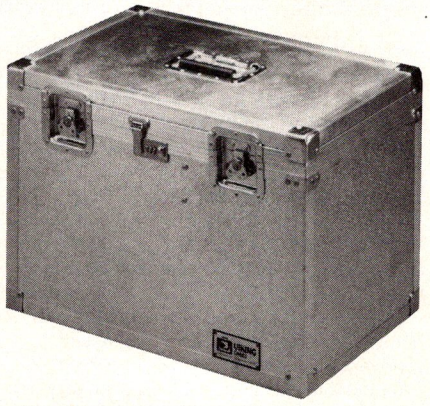
LARGE FORMAT
View Camera Cases

	Calumet 45N/45NX/540	Cambo SCII	Cambo 45SR/45SRX/SCX	Horseman 450/450B	Horseman 450 EMB	Calumet 810N	Cambo SRX/SCX 8x10
Economy Case	CB0230	CB0230	HR4657	HR4657	HR4657	N/A	N/A
Deluxe Case	CC4525	CC4525	N/A	CC4525	CC4525	N/A	N/A
Heavy Duty Aluminum Case	CC5410	CC5410	CC4530	CC4530	CC4530	CB0407	N/A
Attache Case	N/A	N/A	N/A	HR4650	HR4652	CB1680	CB1680



Calumet Deluxe View Camera Case
This rugged and flexible case features an adjustable divider system which allows you to space the main positions to suit your specific camera configuration or storage space needs. Fully padded interior measures 10½"(W) x 24"(L) x 15"(H). For complete details, see page 61.
CC4525 .....**$149.95**

Horseman/Cambo 45SR, 45SRX and SCX Economy Case
Features vinyl covered plywood construction for strength and rigidity. Felt lined partitions and compartments provide plenty of space for film holders, lenses, and other accessories. Ext. size: 13¾" x 22⅝" x 15½" Wt. 15.5 lbs.
HR4657 .....**$109.95**



Calumet Viking Aluminum Case for Calumet and Cambo
This extremely well made and rugged case is built to last a lifetime. It features a textured aluminum exterior with double protected edges and triple reinforced corners for maximum strength and case life. Lid is attached by a continuous full-length hinge and features extra protection from dust and moisture with its tongue-and-groove closure. The Calumet Viking Aluminum Case is completely lined with ½" padded foam and offers generous storage space for holders, meters, extra lenses on boards, and other accessories in its 3-compartment design. Outside dimensions are 24"L x 11½"W x 15½"H and the case weighs 22½ lbs. (not for SCX) **CC5410** **$199.95**

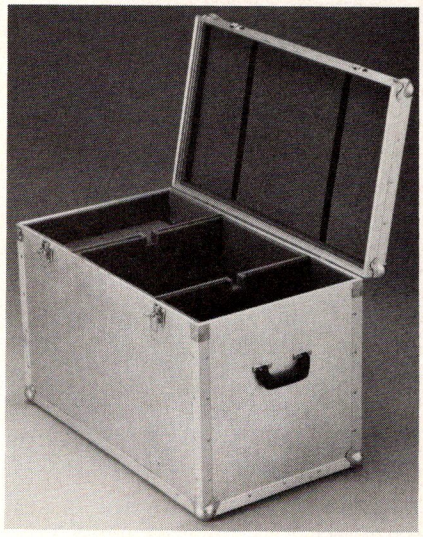
Calumet Heavy Duty Aluminum Case for Horseman 450, Cambo 45SR, 45SRX and SCX 4 x 5s
Attractive, textured aluminum surface is backed by ¼" plywood for rigid support and protection. All edges are reinforced with wrap-around, brushed aluminum braces, while the corners are triple protected with additional caps.

The spacious interior is fully lined with ½" foam padding for full protection of equipment. Over-sized compartments offer ample storage space for extra mounted lenses, sheet film holders, meters, focusing cloth, and other essential equipment. The lid is securely attached by a heavy gauge, full-length "piano hinge". A protective tongue-and-groove lip around all four sides of the lid secures case contents against dust and moisture.

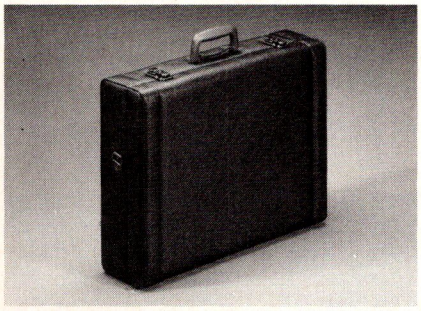
Case is protected by two recessed latches and built-in Presto combination lock. Comfortable carrying handle is recessed into lid and is self-retracting. Overall Dimensions: 22½"(L) x 14¼"(W) x 16"(H).
CC4530 .....**$249.95**



Compartment Case for Calumet and Cambo
Rigidly constructed of vinyl covered plywood with reinforced metal corners. Three felt-lined compartments allow for storage space of extra film holders, mounted lenses, and other accessories. Exterior dimensions: 22½" x 11½" x 15¾". Weight: 13 lbs. 2 oz.
(not for SCX) **CB0230** **$109.95**



Calumet/Cambo 8 x 10 Case
Aluminum carrying case for Calumet 810N and Cambo SCIV only. Inner sizes 31" x 17" x 20" **CB0407** **$399.95**



Horseman Attache

A slim compact case designed to hold the Horseman 450 camera only. Perfect for photographers who prefer 1 case for the camera and a second case for accessories.

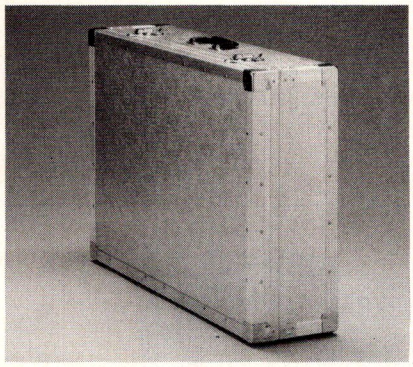
HR4650 ..... **$159.95**



Horseman Metal Attache Case

Accommodates Horseman 450EM and 450 models, one lens and several holders. Exterior dimensions: 20¼" x 16" x 6¼".

HR4652 ..... **$239.95**

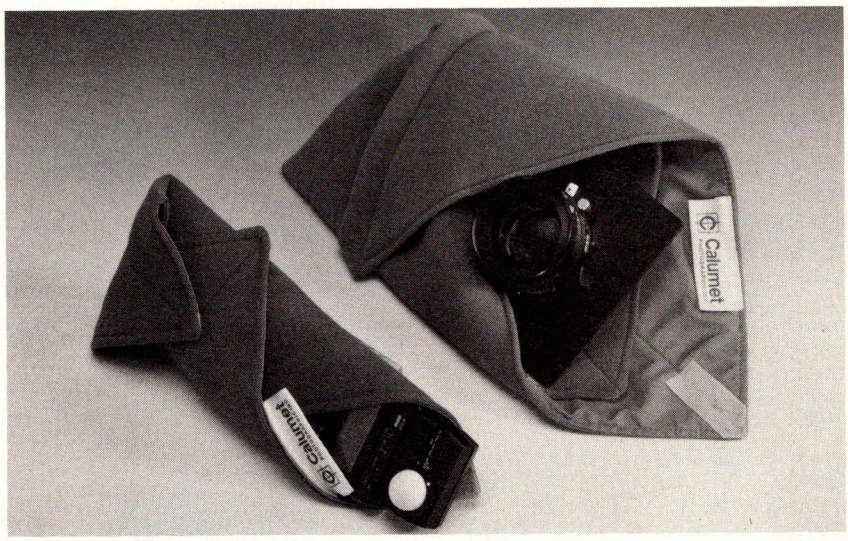


Calumet/Cambo 8 x 10 Aluminum Attache Style Case

This heavy-duty aluminum attache provides compact storage and transport for the Calumet and Cambo SCX 8 x 10 view cameras. Camera stores snuggly by simply removing the bellows and inverting the standards parallel to the monorail. Reinforced corners and foam lining offer extra protection against any mishandling. Inside dimensions: 32½" x 21" x 5½".

CB1680 ..... **$269.95**

Prices subject to change without notice.



Calumet Wrap

The Calumet Wrap is the best method we have found to protect lenses, meters, film backs and 35mm camera bodies. This wrap has several advantages over conventional methods of lens storage.

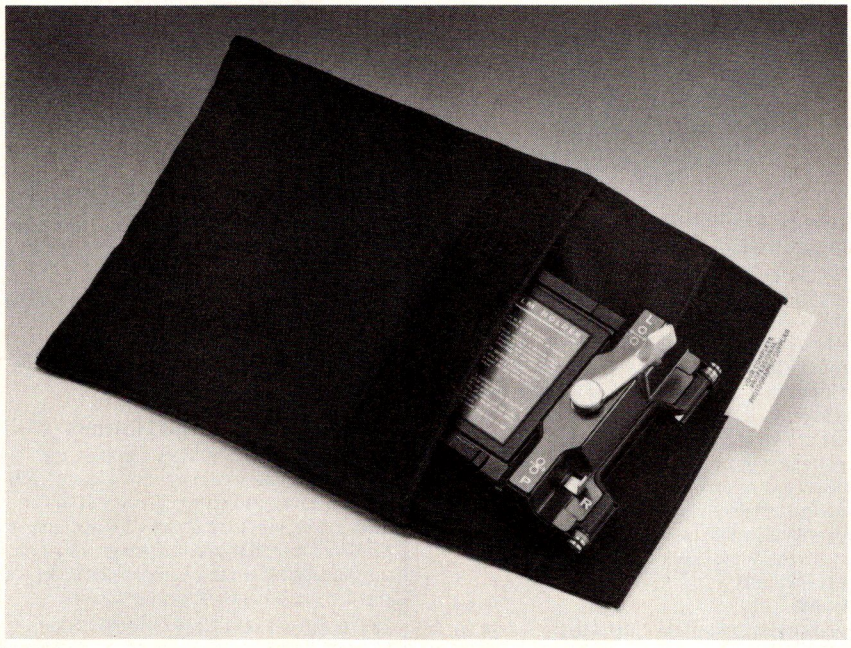
- Fits lenses even when mounted on lensboards
- Accepts a wide variety of lens sizes
- Completely adjustable with velcro closures
- No frustrating draw strings
- Provides protection with minimum bulk
- Folds flat when not in use
- Less expensive than customized cases

11" x 11" Calumet Wrap for lens up to 210mm mounted on 4 x 4" lensboards.

DK2030 ..... **$9.95**

19" x 19" Calumet Wrap for lens up to 300mm mounted on 6 x 6 lensboards.

DK2035 ..... **$11.95**



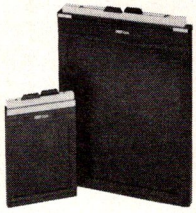
The Calumet Pouch

The perfect accessory companion. It stores, protects and organizes a wide range of camera bag and studio "things," such as meters, lenses, film backs and holders, Polaroid backs, tools, and filter systems. This 11" x 9" Pouch provides excellent shock protection to whatever it holds and helps keep things in their proper place. The Pouch is made of high-abrasion index Dupont Cordura®, which is triple sewn over a ½" high density foam – thus offering soft and flexible protection. A fold-over flap provides positive and secure closure with a full 2" wide velcro strip.

CC9125 ..... **$19.95**

LARGE FORMAT
Film Holders

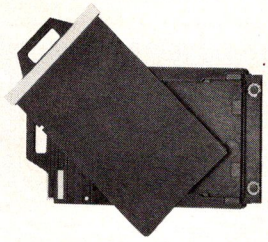
Calumet is the "EXCLUSIVE" Lisco film holder distributor in the United States.



Lisco Sheet Film Holders

All outside parts are made of a high impact material, with an inner core of one piece, solid aluminum plate which assures consistent film flatness. The ends of the loading flaps are overlapped to prevent light from entering the hinge joint. Top guide lets film seat itself, with no short-loading.

Lisco 4 x 5 Double Sheet Film Holder
LS4500 ..... **$9.95**
Replacement Dark Slide for 4 x 5 Holder
LS4505 ..... **$3.95**
Lisco 5 x 7 Double Sheet Film Holder
LS5700 ..... **$18.95**
Replacement Dark Slide for 5 x 7 Holder
LS5705 ..... **$7.95**
Lisco 8 x 10 Double Sheet Film Holder
LS8100 ..... **$34.95**
Replacement Dark Slide for 8 x 10 Holder
LS8105 ..... **$8.95**
Lisco 2¼" x 3¼" Double Sheet Film Holder
LS2300 ..... **$16.95**
Replacement Dark Slide for 2¼" x 3¼" Holder
LS2305 ..... **$5.95**



Riteway 4 x 5 Sheet Film Holder

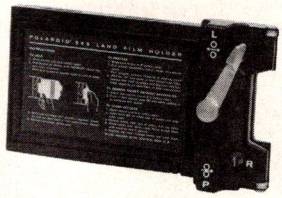
Riteway's exclusive auto-locking system prevents dark slide removal UNLESS the holder is in the camera or you consciously depress the low profile release pin.

Riteway's patented hinge system automatically stays open by itself, leaving your left index finger free to check seating of film. The ingenious, built-in I.D. system marks each sheet of film at the time of exposure. Number your negatives or transparencies from 0 to 99 for easy job or exposure reference. Its dark slides are positively unbreakable. Riteway's conveniently oversized dark slide handles are easy to grasp and quick to pull. *Note: not for use w/Linhoffs.*

RW4500 ..... **$16.95**
Replacement Dark Slide **RW4505** **$4.50**

Fidelity Sheet Film Holders

Fidelity 4 x 5 Double Sheet Film Holder
FI4500 ..... **$10.95**
Replacement Dark Slide for 4 x 5 Holder
FI4505 ..... **$3.95**
Fidelity 8 x 10 Double Sheet Film Holder
FI8100 ..... **$36.95**
Replacement Dark Slide for 8 x 10 Holder
FI8105 ..... **$8.95**



Polaroid Model 545 Film Holder

Offers Polaroid's largest film type selection including types 51, 52, 55, 57, 58, and 59 and the new Professional Chrome film. Actual image size is 3½" x 4½". Rugged metal construction. Allows user to change film types after each exposure. Fits most 4 x 5 view and field cameras.

PO5100 ..... **$159.95**



Polaroid Model 550 Pack Film Holder

Features larger image area (3½" x 4⅝") and lower film costs. The 550 Pack film holder accepts both type 552 and 559 8-exposure automatic film packs.

PO5500 ..... **$144.95**



Polaroid Model 405 Pack Film Holder

Uses economical film types 665, 667, 668, 669, 084, and 100 series which are packaged in convenient 8-exposure packs. 2.9" x 3.8" image area.

PO5000 ..... **$84.95**



Calumet C2N Roll Film Holder

Back by popular demand . . . the most versatile roll film holder in large format! The Calumet C2N roll film holder can be inserted into ANY model 4" x 5". This 6 x 7 cm format film back fits 4" x 5" Spring-Back and International "Graflock" backs. The C2N provides economical roll film format capabilities and film selection with full view camera image control movements - no matter what 4" x 5" camera you're using.

The Calumet C2N Roll Film Holder has these unique features:

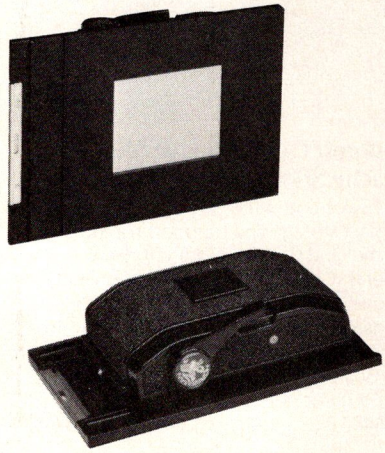
- Inserts like a sheet film holder without scratching ground glass or Fresnel lens.
- Fits all popular 4" x 5" Spring-Back and International back cameras.
- Will accept both 10 exposure 120 film and 20 exposure 220 film.
- Produces exceptional film flatness.
- Rugged metal construction.
- Complete with 6" x 7" ground glass focusing mask.

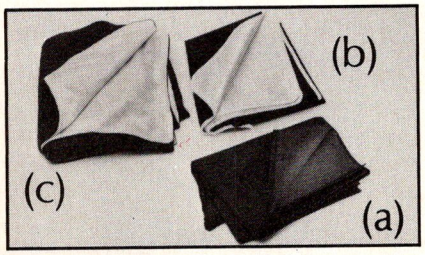
CC5450 ..... **$199.95**

Horseman International "Graflock" Roll Film Holders

Horseman roll film holders combine the creativity of view camera movements with the economy and convenience of roll film. These precision made backs are not only an excellent match to the Horseman 450, but are also usable on any camera designed with the 4 x 5 international locking system.

Horseman 6 x 7cm 120 Roll Film Holder
HR4637 ..... **$249.95**
Horseman 6 x 9cm 120 Roll Film Holder
HR4634 ..... **$249.95**
Horseman 6 x 7cm 220 Roll Film Holder
HR4639 ..... **$249.95**
Horseman 6 x 9cm 220 Roll Film Holder
HR4638 ..... **$249.95**
Horseman 6 x 12cm 120 Roll Film Holder
HR4630 ..... **$429.95**



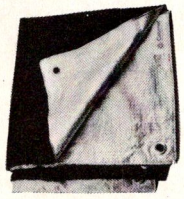


Focusing Cloth (a)
36" x 40" Focusing Cloth
CC9040 ..... **$13.95**

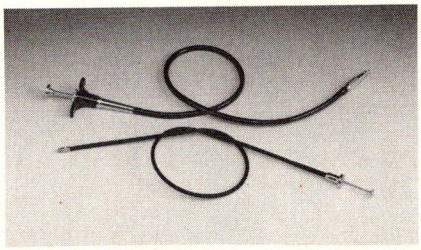
Professional Focusing Cloth (b)
The Calumet Professional Focusing Cloth is black on the inside and white on the outside. The white side reflects heat from the sun or hot studio lights to keep you cooler, and also serves as an ideal fold up reflector for field use. 36" x 48". **CC9041** **$19.95**

Calumet Field Focusing Cloth
This 36" x 36" black focusing cloth features velcro fasteners to keep it from sliding or blowing off of your camera.
CC9043 ..... **$24.95**

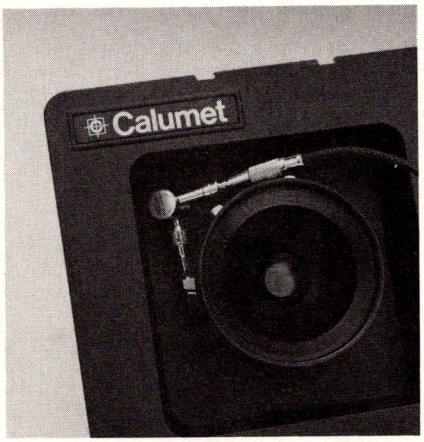
The Calumet Classic Focusing Cloth (c)
The Classic Focusing Cloth is a full 48" x 58" for comfortable use on all view cameras to 20" x 24" in format. The outer construction is double knit polyester for maximum durability and dimensional stability. The cloth which contains more than 5 yards of material and 20 individually sewn rust resistant, antimony steel weights provides sufficient mass for location use on a windy day. All edges are triple stitched and completely finished to resist unraveling and snagging. The Calumet Classic Focusing Cloth colors are navy blue inside and white outside.
CC9042 ..... **$24.95**



The Calumet Silver Classic Focusing Cloth
This lightweight (1 lb. 12 oz.) cloth measures 48" x 56". Inside black material is double knit polyester for maximum durability, while outside silver is made with a reinforced, tear-resistant mesh net material. Reflective properties of this cloth will also keep equipment and film cool. The Silver Classic Focusing Cloth contains 16 individually sewn rust resistant antimony steel weights for greater stability on a windy day.
CC9045 ..... **$29.95**
Note: Because our focusing cloths are handmade, slight variations in size specifications may occur.



Cable Releases
Calumet Professional Cable Release
Metal clad, 20" length.
HV2000 ..... **$12.95**
Calumet 20" cable release.
HV1000 ..... **$9.95**
Calumet Standard 6" cable release.
CC9050 ..... **$4.95**
Flextip cable release must be used in recessed lensboard. Has adjustable lock to convert "B" setting to "T".
CC9055 ..... **$9.95**
20" Flex Tip Cable Release This is a 20" version of the standard Calumet flex tip cable release. For use with recessed lensboards and in other "tight fit" situations.
CC9056 ..... **$12.95**



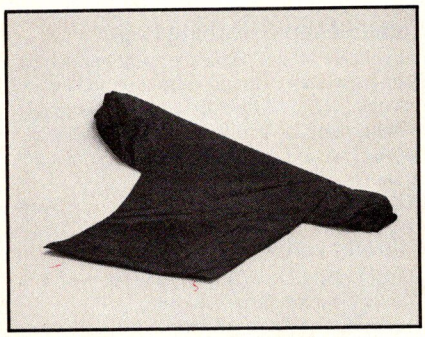
Swivel Cable Release Adapter
This great little device is indispensable for attaching a cable release or air release to lenses mounted in recessed lensboards. This adapter relieves tension from your lenses cable release socket threads and makes it easy to remove and attach the cable release without removing the lens from the lensboard. Not for use w/Calumet 400 Series recessed lensboards.
CB2400 ..... **$14.95**



Heavy Duty Reducer Bushing
High quality European construction reduces from 3/8 to 1/4-20 threads. Suitable for heavier medium and large format cameras.
CB0725 ..... **$2.50**



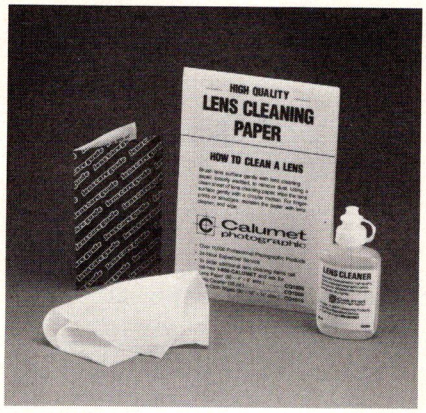
Heavy Duty 20 Ft. Air Release
Bulb air release which can be used at full 20' length or as a more conventional, vibration-free 24" release by simply unscrewing the 18' extension tube. Gives the photographer more freedom of movement away from the camera. May require U-hook release adapter for use with view camera lenses. Comes complete with rollup tube reel and case. **BR5000** **$14.95**
U Hook cable release adapter.
KT5150 ..... **$4.95**



Deluxe Changing Bags
High quality cloth construction. Double lined with double zipper. Rubber wrist bands. Guaranteed light tight. Made in U.S.A.
18 x 26 in. **KT5001** **$24.95**
36 x 36 in. **KT5003** **$44.95**
36 x 45 in. **KT5004** **$49.95**

Sima Filmshields
Protect your film during air travel with these tough, reusable lead-lined pouches. Sima Filmshields are triple laminated construction that guarantee complete protection from low-dose x-rays.
Sima Filmshield - Holds up to 22 rolls of film or a small camera.
BR4000 ..... **$8.95**
Sima Super Filmshield - This double-thick shield holds up to 22 rolls of high-speed film.
BR4020 ..... **$12.95**
Sima Jumbo Filmshield - Holds up to 60 rolls of film.
BR4010 ..... **$17.95**

COMPETITIVE PRICES



Calumet Lens Cleaner

This specially formulated lens cleaning fluid was designed specifically for high quality, multi-coated photographic optics. Simply moisten your lens cleaning paper and rub your lens gently. 38ml. bottle.

CQ1000 ..... **$1.49**

Calumet Lens Cleaning Paper

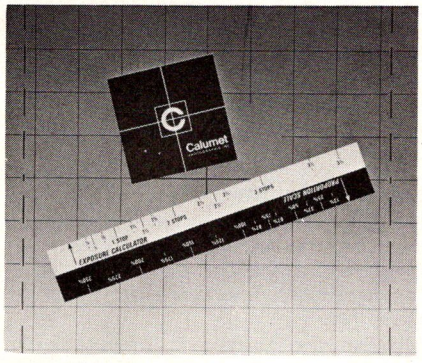
High quality, 4" x 6" tissues are soft enough to clean high quality optics without scratching or damaging multi-coated surfaces. For removal of fingerprints or smudges, moisten with lens cleaner first and wipe gently. Package includes 50 sheets.

CQ1005 ..... **$1.00**

Calumet Lens Cleaning Kit

Contains 38ml. Lens Cleaner, 25 sheets of 3" x 5" Lens Cleaning Paper and a 6½" x 7" reusable Lens Cleaning Cloth.

CQ1010 ..... **$2.95**

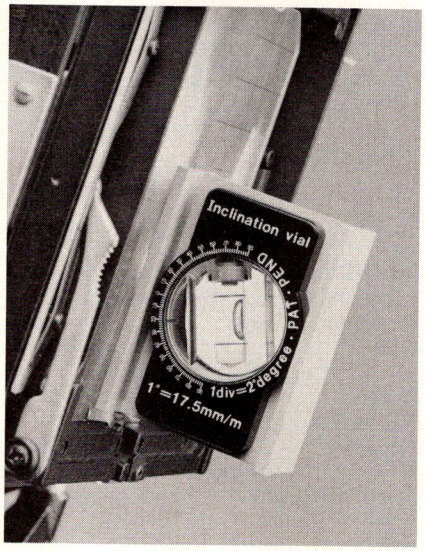


Calumet Exposure Calculator

Calumet's Exposure Calculator provides an easy and direct, one-step means of determining bellows factor exposure calculations for table top and close up photography. Designed to work on all large format, and most medium format cameras, this accurate calculator provides precise readings to within ⅓ f/stop.

Simply place the chip onto the set you are photographing, compose and focus your camera and use the exposure scale strip to measure the chip from the ground glass. Direct readings are provided instantly. The Exposure Calculator will also provide reproduction proportions for copy and stat work.

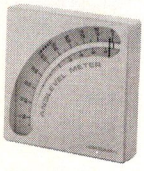
CC9201 ..... **$6.95**



HCL Inclination Vial

This handy angle finder will simplify your view camera correction for product photography and save you valuable studio set-up time. Simply set the base of the Inclination Vial against the plane of your subject and level the bubble by revolving the spirit level insert. Lock your setting in place, set the Vial on your camera's ground glass and adjust your rear tilt until the bubble is level. This can be repeated on your lens board to insure that all three key planes are parallel. This unique accessory can also be used in the darkroom to check the alignment of your enlarger. The HCL Inclination Vial is well constructed to provide years of dependable studio service, and will pay for itself in time-saved before you know it.

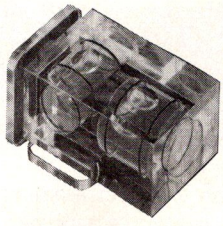
JM2100 ..... **$67.00**



Angle Finder

This precision tool is a must for accurate architectural rendition and critical copy work. A mirrored back ensures accurate readings to within a half degree. The Angle Finder measures the relative angle between the film plane and the object to control distortion, and lets you determine when front and back standards are parallel. This compact, 3⅛" x 3⅛" finder fits into any location kit.

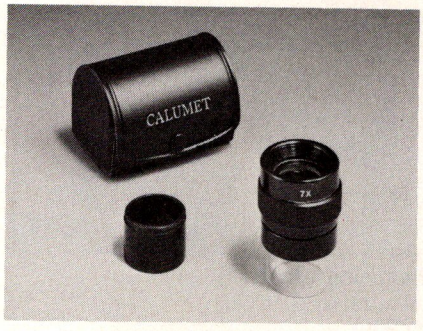
HR1015 ..... **$29.95**



Double Spirit Level

Two levels in clear plastic rectangular case. Fits standard shoe in two axis.

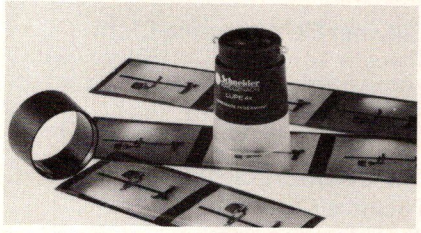
CB1020 ..... **$24.95**



Calumet Focusing Magnifier

The 7x magnification of the Calumet focusing lupe is ideal for critical focusing on the ground glass or can be used for viewing transparencies and negatives. Features dioptric adjustment and comes complete with opaque and clear barrels, neck strap and case.

HR1000 ..... **$34.95**



Schneider Universal 4X Magnifer

Ideal for critical viewing of slides *and* prints, this high quality lupe features color-corrected and distortion-free West German optics. Comes complete with interchangeable black opaque and translucent barrels for viewing slides and prints respectively.

SC8040 ..... **$99.95**



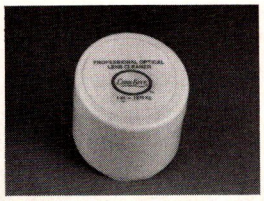
Horseman Universal L.F. Tele-Converter

Extend the focal length of virtually any 150mm large format lens to 300mm – WITHOUT degrading optical quality or color balance.

This economical converter offers telephoto capabilities by simply placing it over the rear optical component of the 150mm lens. It can be installed or removed in a matter of minutes. Its 7-element, 5-group lens construction is made of extra low dispersion, multi-coated glass. *NOTE: When using the converter, a two-stop exposure increase is required to obtain the same exposure as the original lens.*

HR9513 ..... **$229.95**

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.



Lens Site Professional Lens Cleaner

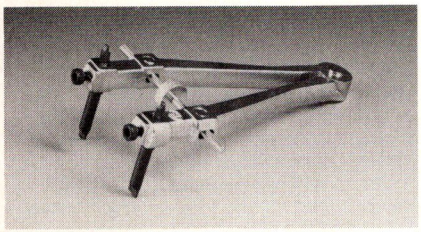
Lens Site professional lens cleaner is specially formulated for use on all precision optical surfaces. Originally developed for medical and scientific optics. Lens Site is non-abrasive and restores the lens surface to its original, clean, oil-free state. 1 oz. **AA3600** **$6.95**



Viewing Filters

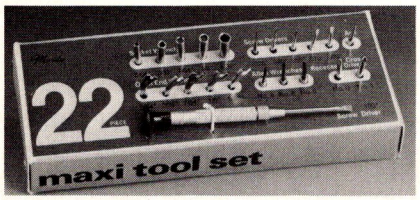
Viewing filters give tonal values as they will be reproduced by film. Previews shadow and highlight detail. Folds into metal case. Includes eyelet for neck cord. Viewing filter for color film. **PC1967** **$19.95**

Viewing filter for B&W film.
PC1968 ..... **$19.95**



Deluxe Spanner Wrench

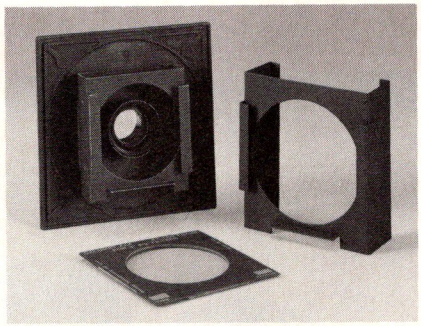
Versatile spanner wrench designed especially for camera and optical work. Precision screw drive adjustment, adjusts quickly and easily from 0" to 3" diameters. Hardened flat bladed tips. Excellent for mounting large format lenses on lensboards.
HR1010 ..... **$69.95**



Moody Maxi Tool Set

- Six screwdriver blades in sizes .025," .040," .055," .070," .080" and .100."
- Two cross-recessed drivers Nos. 0 and 1.
- Five open-end wrenches in sizes 5/64," 3/32," 7/64," 1/8" and 5/32."
- Three Allen wrenches Nos. 4, 6 and 8.
- Five socket wrenches in sizes 5/64," 3/32," 7/64," 1/8" and 5/32." and One awl

BR8880 ..... **$21.95**



Xenophon Pro Gel Filter Holders

No other filter system offers more precise film balance and color control than gelatin filters. However, large format photographers have always faced the problem of attaching gels to their lenses, since no comprehensive mounting system existed, UNTIL NOW . . . Calumet, in cooperation with noted commercial photographer Xenophon (zēń-ō-fŏn) Beake, has finally solved this age-old problem in a very economical manner. The Calumet/Xenophon Filter Holder system offers universal, rear lens mounting for virtually ALL current large format lenses in a safe and professional fashion.

Why rear mounting? Consider the following benefits:

- Gels are protected from fingerprints, dust and moisture
- Eliminates degrading reflections commonly caused by front mounting
- Uses economical 3" gels on most lenses because rear elements are substantially smaller than the front
- Holder mounts quickly and permanently, leaving front threads free for polarizing and special effect filters
- Rear lens cap (included) offers added protection to rear lens elements

Calument/Xenophon 3" Filter Holder
XB6500 ..... **$19.95**

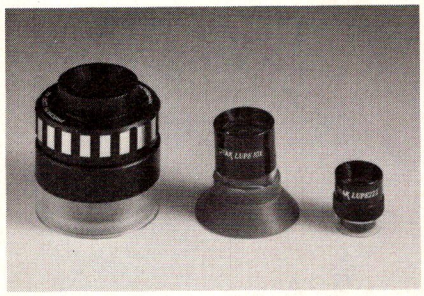
Calumet/Xenophon 4" Filter Holder
XB6505 ..... **$29.95**

toll free
TECHNICAL ASSISTANCE

Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

in stock
AVAILABILITY

11,000 Professional Photographic Products.

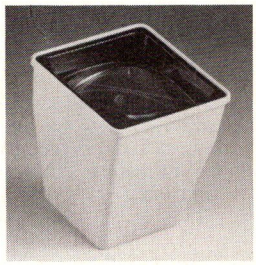


Peak Magnifying Lupes

4X Anastigmatic Lupe designed to allow the user to observe the entire 58mm viewing area up to 1 inch from the eyepiece. This lupe is optically corrected for curvature of field and aberrations to insure image sharpness from edge to edge. Features dioptric adjustments, removable glass millimeter scale and clear barrel for illuminating opaque objects. Excellent for viewing 35mm and 2¼ slides.
PC1990 ..... **$69.95**

10X lupe with suction cup for attachment to any flat surface. Attach to the ground glass of large format cameras for more convenient focusing. The suction cup is removable for conventional use of the lupe.
PC1993 ..... **$21.95**

22X high quality, powerful lupe with a coated achromatic lens. Construction 4 elements in 3 groups.
PC1964 ..... **$29.95**



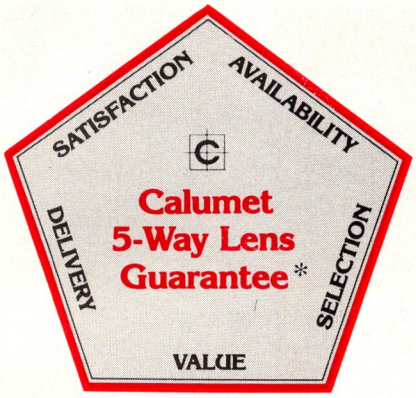
Transparency Magnifier

The unique double lens design of this viewer focuses the image for viewing at a distance. No need to bend close. Ideal for use on any lightbox. Large 3" x 3" viewing area.
MX4080 ..... **$16.95**

to order
1-800-CALUMET
call toll free
1-800-225-8638

For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

LARGE FORMAT
Lenses
Lens Guarantee



1. **SELECTION**
   Calumet GUARANTEES the widest selection of large format lenses available anywhere. Choose from over 100 different lenses from the five best selling major brand names including: Caltar, Schneider, Nikkor, Fuji, and Rodenstock.

2. **VALUE**
   Calumet GUARANTEES that you receive the best value available anywhere. Consider our competitive prices with NO HIDDEN CHARGES.

3. **AVAILABILITY**
   We have OVER 1500 large format lenses in inventory at all times. So, chances are we will have the lens you want IN STOCK when you want it.

4. **DELIVERY**
   All lens orders receive high priority handling. Most large format lenses that ar in stock and ordered before 10:00 a.m. Central Standard Time are shipped that same day.

5. **SATISFACTION**
   Calumet GUARANTEES that if for any reason you are not satisfied with your len purchase, you may return the lens within 15 days and receive a full refund.*

*Subject to Calumet's standard return policy.

Lens Value Pak

Flat Lensboard (available for most view cameras)	$29.95
Lensboard Drilling and Mounting	$17.95
Lens Site Lens Cleaner (½ oz.)	$3.95
Lens Wrap (19" x 19")	$11.95
Regular Price	$63.80
Lens Value Pak Price	$29.95*

Add $5 for recessed lensboard

*with purchase of any large format lens

Large Format Lenses



Selecting the right large format lens. In large format photography, there is no such thing as a "normal" lens. Because of the varied camera movements and enhanced capabilities of the view camera, each lens performs a different function . . . the lens you choose depends upon the kind of photography you plan to do. A general understanding of the principles behind large format optics can help you choose the right lens to achieve your goals.

Perspective is governed by the **distance** of the camera to the subject. Because objects closer to the camera photograph larger, working in close with short focal length lenses can result in foreshortening. Unlike the human eye, the camera lens cannot compensate for distortion without adjustment of the camera and the camera-to-subject working distance.

One solution is to move the camera back from the subject and use a longer focal length lens to produce a larger, yet undistorted image on the film. As the camera moves back, distortion is minimized and the image appears as your eye perceives it. For this reason, most view camera lenses are longer in focal length for a given film size than lenses for smaller, hand-held cameras.

Coverage. Since a view camera lens is often moved off axis for swings, tilts, rise and fall, lenses are usually purchased in a focal length longer than the diagonal of the negative. The diameter of the minimum *image circle* needed to cover the diagonal of the negative perfectly with even illumination from corner to corner is:

2¼" x 2¾" = 100mm
4" x 5" = 161mm
5" x 7" = 219mm
8" x 10" = 323mm

Lenses shorter than these focal lengths are often used. Stopped down lenses and close-up photography used with greater bellows extension will produce greater optical coverage. The circle produced by the lens expands as the lens-to-film distance is increased. A lens that is marginal in coverage at infinity focus offers ample coverage on close-ups.

Wide angle lenses are specifically designed to produce exceptionally large image circles in order to produce maximum coverage at infinity focus.

If you need an all-purpose lens. If you are just starting out in large format, you will probably want one lens that will do the greatest number of jobs. Based on our experience, the 210mm lens is an ideal general purpose lens for portraiture, still life, industrial, product shots and some scenic applications with 4 x 5 format cameras.

Preferred Focal Lengths in 4 x 5 format photography

Normal Focal Lengths

135mm—150mm (5¼"—6") Interiors, groups, small parts in close-up, or object photography in restricted working distances with moderate swings and tilts: 6" lenses (150mm). When maximum camera swings are not important, the 6" focal length serves well at a minimum cost.

210mm—240mm (8¼"—9½") The most popular focal length for the illustrator is an 8½"-8¼" lens on 4" x 5" film. Product illustration, maximum perspective correction with full swings and tilts, architectural illustration, head and shoulders portraits.

Long Focal Lengths

240mm—305mm lens (10"—12") Portraits without distortion, separation of small objects from background, elimination of foreground, photographing round objects.

Short Focal Lengths

65mm (2⅝") Super wide (100°) angle, slight camera movement, little rise and fall. Intentional distortion of near objects, universal depth of field.

75mm (3") Wide angle, slight camera movement, less distortion of near objects.

90mm (3⅝") Moderate wide angle, satisfactory for room interiors where noticeable distortion would be objectionable, capable of moderate camera movement.

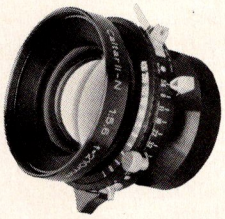
Complete Large Format Lens Selection!

Caltar II Lenses have gained world-wide recognition as being among the finest large format optics available on the market today – AND among the most reasonably priced!

The Caltar II series incorporates West German tradition-rich crafted optics and precision Copal shutters to produce this superb collection of lenses which offer the professional photographer unlimited creative excellence. By using special high-refractive-index glass with specific dispersion characteristics in the marginal regions of the visible spectrum, Caltar II's, achieve an unusually high degree of correction of chromatic errors.

Caltar® II also delivers outstanding corner-to-corner sharpness and a significantly improved illumination at the edges of the field. You'll also be delighted at how Caltar® II faithfully captures even the most delicate colors. The result is a wonderfully balanced color rendition and a superb contrast even at the widest aperture.





Caltar II Professional Lenses

Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi-Coating	Filter Size	Image Circle	Angle of Coverage	Format Size	Cat. No.	Price
65mm	Copal 0	4.5-45	8-4	Yes	58mm	170mm*	105°*	4″x5″	**CL2654**	**$649.95**
75mm	Copal 0	4.5-45	8-4	Yes	67mm	195mm*	105°	4″x5″	**CL2754**	**$699.95**
75mm	Copal 0	6.8-45	6-4	Yes	58mm	187mm**	102°**	4″x5″	**CL2751**	**$429.95**
90mm	Copal 1	4.5-45	8-4	Yes	82mm	236mm*	105°*	5″x7″	**CL2954**	**$749.95**
90mm	Copal 0	6.8-45	6-4	Yes	67mm	221mm**	102°**	4″x5″	**CL2901**	**$449.95**
115mm	Copal 1	6.8-45	6-4	Yes	82mm	291mm*	104°*	5″x7″	**CL2115**	**$799.95**
135mm	Copal 0	5.6-64	6-4	Yes	40.5mm*	200mm**	72°**	4″x5″	**CL2135**	**$269.95**
150mm	Copal 0	5.6-64	6-4	Yes	49mm	214mm**	72°**	4″x5″	**CL2150**	**$279.95**
180mm	Copal 1	5.6-64	6-4	Yes	58mm	262mm**	72°**	5″x7″	**CL2180**	**$369.95**
210mm	Copal 1	6.8-64	3-3	Yes	49mm	230mm**	58°**	5″x7″	**CL4210**	**$229.95**
210mm	Copal 1	5.6-64	6-4	Yes	67mm	301mm**	72°**	5″x7″	**CL2210**	**$399.95**
240mm	Copal 3	5.6-64	6-4	Yes	77mm	350mm**	72°**	8″x10″	**CL2240**	**$729.95**
300mm	Copal 3	5.6-64	6-4	Yes	86mm	425mm**	72°**	8″x10″	**CL2300**	**$929.95**
360mm	Copal 3	6.8-64	6-4	Yes	105mm	435mm**	64°**	8″x10″	**CL2360**	**$999.95**

**at f22

*for wider filter selection, use 40.5 to 52mm step-up ring **HR9198**.....**$6.95**

Caltar II-E 210 f6.8



Designed for general purpose applications, the 210mm f6.8 Caltar II-E provides sufficient coverage for 4″ x 5″ to permit camera movements. Its multi-coated elements produce improved color rendition and contrast along with excellent sharpness. This compact Calumet large format lens is the ideal choice for the beginner in view camera photography.

CL4210.....**$229.95**

Xenophon Pro Gel Filter Holders

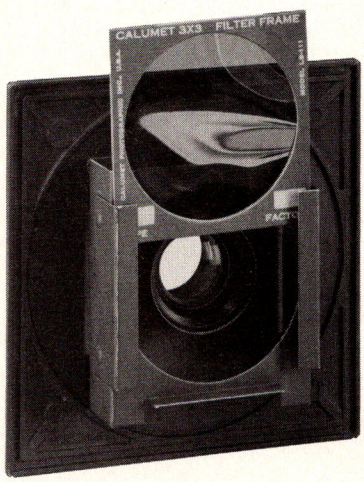
Now available, the perfect tool for mounting your gelatin filters to large format lenses-from the rear. This universal rear mounting system offers the following advantages:

- Gel filters are protected from fingerprints, dust, and moisture.
- Eliminates degrading reflections commonly caused by front mounting.
- Uses economical 3″ gels on most lenses because rear elements are smaller.

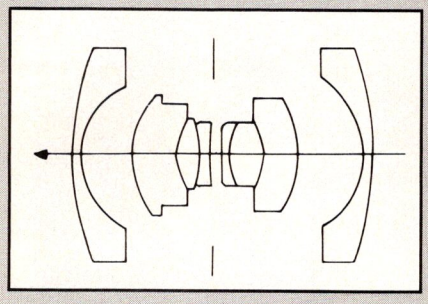
Size A (accepts 3″ filters)
XB6500.....**$19.95**

Size C (accepts 4″ filters)
XB6505.....**$29.95**

To determine which size fits your lenses, call 1-800-CALUMET. (225-8638)

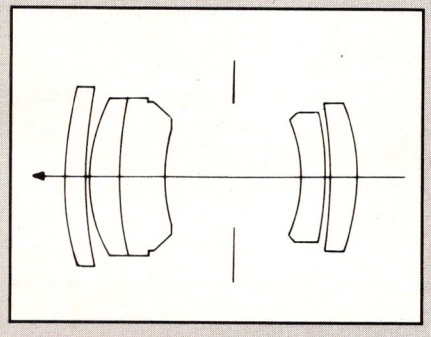


Special Purpose Large Format Lenses



One of the main advantages of large format photography is that it offers more image control than either 35mm or medium format. Part of that image control is made possible by the wide assortment of "special purpose" lenses available to the large format photographer. One facet of Calumet's commitment to the professional photographer is evidenced in our tremendous selection and inventory of these lenses, which are designed to meet the most specific and demanding tasks confronted by the working pro.

The following information is designed to clarify the distinctive differences that exist in the various categories and lens types featured on the following pages. We hope that this will aid you in choosing the optimum lens for your particular photographic problems.



Telephoto Lenses

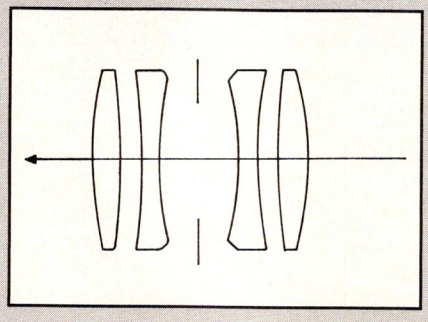
These lenses are uniquely different from standard long focal length lenses which require a bellows draw equal to their focal length in order to focus at infinity. Telephoto designed lenses will focus at infinity with significantly less bellows extension – approximately ½-¾ their focal length. This enables the use of longer focal length lenses on cameras with restricted bellows; most notably field cameras.

Telephoto Lenses Include:
Fujinon TS Lenses
Nikkor T Series Lenses

Soft Focus Lenses

These lenses provide a means of creating controllable and predictable soft focus images. Grid disks, coupled with intentional spherical aberration of the lens elements (which is the inability of the lens to focus all light rays on one film plane), create the equivalent of two images on one film plane. The result is a blending of highlight and shadow which smooths out skin tones, creating a luminous appearance. These lenses do not cause a harshness or a flaring of highlights, characteristic of softening filters, but offer fine definition by preserving a distinct image core. In addition, the photographer is able to vary the intensity of the softening effect for individual images.

Soft Focus Lenses Include:
Fujinon SFS Series Lenses
Rodenstock Imagon Lenses



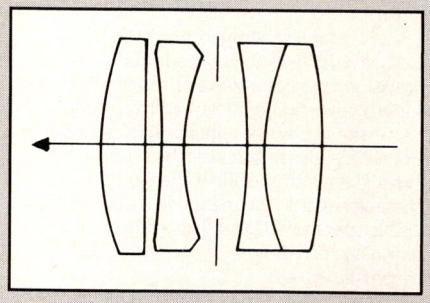
Apo Lenses

Designed especially for use in the fields of graphic arts and cartography for copying line originals, reproducing monochrome and color originals as well as for half-tone screening and the production of color separation negatives. Symmetrical lens design produces a symmetrical light path, which eliminates or greatly reduces distortion, coma and transverse chromatic aberration and thus guarantee optimum image quality for process work. The symmetrical design of these lenses also eliminates the need to invert the lens when changing from enlargement to reduction.

Apo lenses may be used at full aperture for focusing due to the low residual spherical aberration which produces no appreciable shift of focus.

What makes Apo lenses so important to the critical demands of color separation work is that *they focus all three primary colors at the same plane.* This means perfectly registered images, as well as minimal chromatic errors and color aberrations.

Apo Lenses Include:
Fujinon AS Lenses
Fujinon CS Lenses
Nikkor M Series Lenses
Nikkor AM Series Lenses
Rodenstock Apo-Ronar Lenses



Flat Field Lenses

Flat field, Copy or Process lenses (all interchangeable terms) are *designed specifically for higher magnifications and reduction ratios* (5:1 through 1:5) and generally produce optimum results at 1:1 (i.e. through life size). They are ideally suited for flat field copy work and close-up photography. These lenses feature relatively large image circles at 1X magnification and produce outstanding corner to corner resolution, texture rendition, and light transmission – even at high aperture settings.

Flat field lenses generally employ apocromatic correction, enabling coincidence of focus for red, green and blue. This guarantees that each image exhibits the same uniform sharpness and image size, which is crucial to exacting copy work.

Flat Field Lenses Include:
Fujinon AS Lenses
Rodenstock Apo-Ronar Lenses
Schneider G-Claron Lenses

Schneider Center Filters

When working with ultra wide angle lenses, the fall-off of illumination towards the corners is sometimes disturbing. For this reason, concentrically graduated "Center Filters" have been designed for compensating this vignetting.

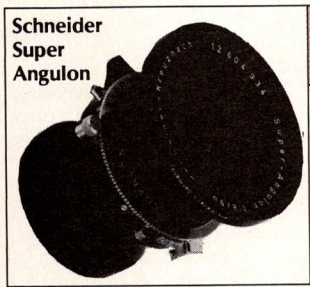
These filters have an absorption which diminishes gradually from the center to the edges of the filter where it reaches full transparency. This absorption is independent from the wave lengths of the visible spectrum.

It must be remembered that, when working with ultra-wide-angle lenses high contrast films, under-exposure, and non-uniform field illumination should be avoided as much as possible.

Schneider Super Angulon Lenses

The Schneider Super Angulon is a special purpose ultra wide angle taking lens for medium and large format photography. The Super Angulons are available in an unusually wide range of focal lengths from 47mm to 210mm, assuring the right lens for every type of professional application. These high performance lenses are available in two different series, the f/8 and the f/5.6, which provides professional photographers two price categories in superb ultra wide angle taking lenses from which to choose.

Schneider Super Angulon



Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi-Coating	Filter Size	Image Circle	Angle of Coverage	Max. Format Size	Cat. No.	Price
47mm	Copal 0	5.6-45	8-4	Yes	49mm	123mm**	105°**	2¼" x 3¼"	SC6475	$499.95
65mm	Copal 0	5.6-45	8-4	Yes	67mm	170mm**	105°**	4" x 5"	SC6655	$699.95
75mm	Copal 0	5.6-45	8-4	Yes	67mm	198mm**	105°**	4" x 5"	SC6755	$749.95
90mm	Copal 0	8.0-45	6-4	Yes	67mm	216mm**	100°**	4" x 5"	SC6908	$499.95
90mm	Copal 0	5.6-45	8-4	Yes	82mm	235mm**	105°**	5" x 7"	SC6905	$949.95
120mm	Copal 0	8.0-64	6-4	Yes	82mm	288mm**	100°**	5" x 7"	SC6120	$799.95
165mm	Copal 3	8.0-64	6-4	Yes	105mm	393mm**	100°**	8" x 10"	SC6165	$1849.95
210mm	Copal 3	8.0-90	6-4	Yes	127mm	498mm**	100°**	8" x 10"	SC6211	$2799.95

Schneider Center-Filters

Designed to eliminate illumination fall-off towards the corners when working with Super Angulon lenses. For maximum results, it is necessary to increase the exposure time by a factor of 3 and stop lens down at least two full stops below maximum aperture.

Center-Filter for 47mm f5.5 and 75mm f8 Super Angulon
SC8001 ..... **$229.00**

Center-Filter for 65mm f5.6 and 75mm f5.6 Super Angulon
SC8002 ..... **$249.00**

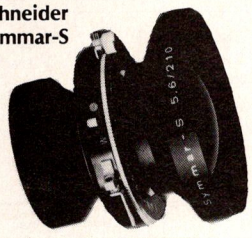
Center-Filter for 90mm f5.6 and 120mm f8 Super Angulon
SC8004 ..... **$329.00**

Center-Filter for 90mm f8 Super Angulon
SC8005 ..... **$249.00**

Schneider Symmar-S Lenses

The Symmar-S, with its 6-element, 4-group construction, is the latest development of the world-famous Symmar. The carefully balanced performance, improved image quality, multi-coating and adaption of mechanical mount and design to meet today's challenging demands characterize the Symmar-S as the superior general purpose camera lens for the professional.

Schneider Symmar-S



100mm	Copal 0	5.6-45	6-4	Yes	40.5mm	143mm*	70°**	2¼" x 3¼"	SC6100	$299.95
120mm	Copal 0	5.6-45	6-4	Yes	49mm	141mm**	70°**	2¼" x 3¼"	SC6121	$399.95
135mm	Copal 0	5.6-45	6-4	Yes	49mm	190mm**	70°**	4" x 5"	SC6135	$329.95
150mm	Copal 0	5.6-45	6-4	Yes	58mm	210mm**	70°**	4" x 5"	SC6150	$329.95
180mm	Copal 1	5.6-45	6-4	Yes	67mm	252mm**	70°**	5" x 7"	SC6180	$399.95
210mm	Copal 1	5.6-45	6-4	Yes	77mm	294mm**	70°**	5" x 7"	SC6210	$429.95
240mm	Copal 3	5.6-45	6-4	Yes	86mm	337mm**	70°**	8" x 10"	SC6240	$849.95
300mm	Copal 3	5.6-64	6-4	Yes	105mm	411mm**	70°**	8" x 10"	SC6300	$1129.95
360mm	Copal 3	6.8-64	6-4	Yes	120mm	491mm**	70°**	11" x 14"	SC6360	$1299.95
480mm	Copal 3	8.4-64	6-4	Yes	105mm	500mm**	56°**	11" x 14"	SC6480	$2049.95

Schneider Super-Symmar High Modulation Lenses

This new Super-Symmar lens series provides increased flexibility and performance with larger image circles and 80° angle of view. These superior specifications allow for greater camera movements and greater format coverage than usual. Their 8 element 6 group design offers outstanding performance and accuracy.

Schneider Super-Symmar High Modulation	150mm	Copal 1	5.6-45	8-6	Yes	77mm	254mm**	80°*	5" x 7"	SC8150	$949.95
	210mm	Copal 3	5.6-45	8-6	Yes	100mm	356mm**	80°*	8" x 10"	SC8210	$1499.95

Schneider G-Claron Lenses

Especially designed for flat field work, G-Claron lenses are also excellent for closeups, table-top, and photomacrography. Their 6-element, 4-group symmetrical lens design is optimized for magnifications around 1:1 and they reproduce with outstanding definition from line, continuous and half-tone originals. G-Clarons also feature large image circles.

Schneider G-Claron	150mm	Copal 0	9-64	6-4	Yes	35.5mm	385mm***	64°**	8" x 10"	SC7000	$299.95
	210mm	Copal 1	9-64	6-4	Yes	49mm	520mm***	64°**	11" x 14"	SC7005	$379.95
	240mm	Copal 1	9-64	6-4	Yes	52mm	598mm***	64°**	14" x 17"	SC7010	$429.95
	270mm	Copal 1	9-64	6-4	Yes	58mm	669mm***	64°**	16" x 20"	SC7015	$549.95
	305mm	Copal 1	9-64	6-4	Yes	67mm	763mm***	64°**	16" x 20"	SC7020	$579.95
	355mm	Copal 3	9-64	6-4	Yes	77mm	887mm***	64°**	20" x 24"	SC7025	$829.95

*at f/16
**at f/22
***At 1:1 (image circle at infinity is approx. ½ this size)

Angle of View vs. Angle of Coverage

One of the most difficult things for photographers to understand is the relationship between the angle of view of a large format lens to that of smaller format cameras.

The problem relates to the term "Angle Of View" as it appears in view camera lens manufacturer's specification sheets. This term "Angle Of View" is easily understood when it is used in reference to 35mm or 2¼ photography. It is simply the angle of view which is reproduced on the film. The important point here is that angle of view is determined by the lens focal length and a particular film size (format). It should be noted that there are actually three angles of view for each format—horizontal, vertical, and diagonal, and the figures are calculated with the lens focused at infinity.

It is very common for small format camera manufacturers to show the angle of view (horizontal is generally used) for each of the lenses in the system. This makes it easy to compare lenses, even between different formats. For example: A 20mm lens on a 35mm camera has an angle of view of 84°, the comparable lens on a 4 x 5 camera would be a 65mm lens having an angle of view of 86°.

Now comes the problem. Look at the angle of view specifications for a particular brand of view camera lenses, such as the Nikkor W series. Notice that the 150, 180, 240, and 300mm lenses are listed with the same angle of view of 70°. How can all these different focal length lenses all have the same angle of view? Obviously something is very wrong.

The problem is terminology. 70° is not the *angle of view* for all of these lenses. 70° is their *angle of coverage.* Angle of coverage can be defined as the angle formed by the entire image circle of the lens when focused at infinity. Angle of coverage is directly determined by lens design, not focal length, therefore it is entirely logical that lenses of the same lens design would all have the same angle of coverage (70°) even though they have different focal lengths. It should be noted that the angle of coverage is affected by the f stop of a lens and should be referenced to a given f number. Angle of coverage is usually given at f/22, but check the manufacturer's specs to be certain.

Angle of coverage is an extremely important specification to examine when choosing a large format lens. By comparing the angle of coverage between lenses it is easy to see which lens will allow the greater range of view camera movements. It is also interesting to compare the diagonal angle of view of a lens for the format you are planning to use with the angle of coverage. The greater the angle of coverage, the greater the amount of view camera movement.

An interesting sidelight is that any two given focal length lenses used on the same format produce the same image size regardless of lens design and angle of coverage. For instance, a 210mm f6.8 Caltar II E lens has an *angle of coverage* of 67.6° and a 4 x 5 format horizontal *angle of view* of 31½°. A 210mm f5.6 Caltar II lens has an *angle of coverage* of 70° and a 4 x 5 format horizontal *angle of view* of 31½°. Since the angle of view on 4 x 5 film with both lenses is the same, they will both reproduce the same size image when the same subject is photographed from the same distance.

Angle of view must be given for a specified film format, and is dependent on lens focal length. *Angle of coverage* is the complete image forming angle of a lens and is determined by the lens design.

35mm		6 x 6 cm		6 x 7 cm		6 x 9cm		4 x 5 in.		5 x 7 in.		8 x 10 in.	
Focal Length	**Angle of View***	**Focal Length**	**Angle of View***	**Focal Length**	**Angle of View***	**Focal Length**	**Angle of View***	**Focal Length**	**Angle of View***	**Focal Length**	**Angle of View***	**Focal Length**	**Angle of View***
										75mm	**97°**	120mm	**92°**
20mm	**84°**					50mm	**81°**	65mm	**86°**	90mm 100mm	**87°** **81°**	135mm	**85°**
24mm	**74°**							75mm	**78°**	120mm	**71°**	150mm 165mm	**79°** **74°**
28mm	**65°**	40mm	**69°**	50mm	**69°**	65mm	**66°**	90mm 100mm	**68°** **62°**	135mm	**64°**	180mm 210mm	**69°** **61°**
35mm	**54°**	50mm	**58°**	65mm	**56°**	75mm 90mm	**59°** **51°**	120mm	**53°**	150mm 165mm 180mm	**59°** **54°** **51°**	240mm	**55°**
44mm 50mm	**44°** **40°**	60mm 75mm	**49°** **40°**	75mm 80mm 90mm	**49°** **46°** **42°**	105mm	**44°**	135mm 150mm 165mm	**48°** **44°** **40°**	210mm	**44°**	300mm	**45°**
55mm 58mm	**36°** **34°**	80mm 100mm 105mm	**39°** **31°** **30°**	105mm 120mm 127mm	**36°** **32°** **30°**	120mm 135mm 150mm	**39°** **35°** **32°**	180mm 210mm	**37°** **31°**	240mm 300mm	**39°** **32°**	360mm 450mm	**38°** **31°**
85mm 105mm	**24°** **19°**	120mm 135mm 150mm	**26°** **23°** **21°**	140mm 150mm 180mm	**27°** **26°** **22°**	180mm 250mm	**27°** **19°**	240mm 300mm 360mm	**28°** **23°** **19°**	360mm 450mm 480mm	**27°** **21°** **20°**	480mm	**29°**
135mm 180mm 200mm	**15°** **12°** **10°**	250mm	**13°**	360mm	**11°**	360mm	**13°**	450mm 480mm	**15°** **14°**				

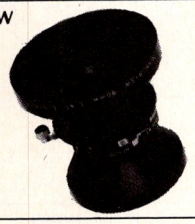
*Horizontal Format

PRONTOR PRO OPTION
The Prontor Professional Shutter System is now available as an "original equipment" shutter. See page 44.

LARGE FORMAT
Nikkor Lenses

Nikkor SW-Series Lenses

Wide covering power and wide image circle characterize these Nikkor lenses for large format cameras. Each lens also delivers high resolution, and aberrations have been strictly controlled. The high speed models mean easier focusing and composing.



Nikkor-SW Series	Focal Length	Type of Shutter	Aperture Range	Lens Construc-tion	Multi-Coating	Filter Size	Image Circle	Angle of Coverage	Max. Format Size	Cat. No.	Price
	65mm	Copal 0	4.0-45	7-4	Yes	67mm	170mm*	105°*	4″ x 5″	NL1805	$ 849.95
	75mm	Copal 0	4.5-45	7-4	Yes	67mm	200mm*	106°*	4″ x 5″	NL1807	$ 849.95
	90mm	Copal 0	4.5-64	7-4	Yes	82mm	235mm*	105°*	5″ x 7″	NL1810	$ 899.95
	90mm	Copal 0	8.0-64	8-4	Yes	67mm	235mm**	105°**	5″ x 7″	NL1815	$ 599.95
	120mm	Copal 0	8.0-64	8-4	Yes	77mm	312mm*	105°	8″ x 10″	NL1816	$ 849.95
	150mm	Copal 1	8.0-64	8-4	Yes	95mm	400mm*	106°*	8″ x 10″	NL1817	$1399.95

Nikkor-W Series Lenses

Lenses in this series exhibit a high degree of freedom from distortion, curvature of field, and chromatic aberration. Contrast and color reproduction are enhanced through the use of Nikon Integrated Coating. The W series is recommended for a variety of subjects, including landscapes, portraits, architecture, and table-top photography – anything from close-up to infinity.



Nikkor W-Series											
	105mm	Copal 0	5.6-45	6-4	Yes	52mm	153mm*	74°**	4″ x 5″	NL1818	$ 379.95
	135mm	Copal 0	5.6-64	6-4	Yes	52mm	200mm**	73°**	4″ x 5″	NL1820	$ 329.95
	150mm	Copal 0	5.6-64	6-4	Yes	52mm	210mm**	70°**	4″ x 5″	NL1830	$ 359.95
	180mm	Copal 1	5.6-64	6-4	Yes	67mm	253mm**	70°**	5″ x 7″	NL1840	$ 399.95
	210mm	Copal 1	5.6-64	6-4	Yes	67mm	295mm**	70°**	5″ x 7″	NL1850	$ 499.95
	240mm	Copal 3	5.6-64	6-4	Yes	82mm	336mm**	70°**	8″ x 10″	NL1860	$ 829.95
	300mm	Copal 3	5.6-64	6-4	Yes	95mm	420mm**	70°**	8″ x 10″	NL1865	$1099.95
	360mm	Copal 3	6.5-64	6-4	Yes	95mm	494mm**	69°**	11″ x 14″	NL1866	$1199.95

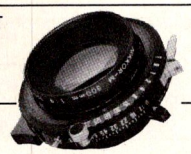
Nikkor-M Series Lenses

The 300mm f/9 and 450mm f/9 employ the same optical system used in the Apo-Nikkor, a lens which meets the stringent standards of reproduction and photoengraving applications. Chromatic aberrations are corrected for the entire visible portion of the spectrum, and faithful reproduction of subtle variations in color are assured. M series lenses are excellent in the 1:10 to infinity focusing range, making them a BEST BUY in their respective focal lengths.

Nikkor-M Series											
	200mm	Copal 0	8-64	4-3	Yes	52mm	210mm**	55°**	4″ x 5″	NL1869	$ 399.95
	300mm	Copal 1	9-128	4-3	Yes	52mm	325mm**	57°**	8″ x 10″	NL1870	$ 529.95
	450mm	Copal 3	9-128	4-3	Yes	67mm	440mm**	52°**	8″ x 10″	NL1880	$ 849.95

Nikkor-T Series
Variable Focal Length Lenses

These telephoto-type lenses require less bellows draw than standard design lenses of the same focal length. The 360mm/500mm and 600mm/800mm lens pairs are designed with compatible rear components so that once a complete lens is purchased, a second focal length can be made by simply purchasing a rear lens component. Call our Technical Sales Representative for further information, price and availability.



Nikkor-T Series											
	360mm	Copal 1	8.0-64	5-4	Yes	67mm	210mm**	33°**	4″ x 5″	NL1894	$1249.95
	500mm	Copal 1	11-64	6-4	Yes	67mm	210mm**	24°**	4″ x 5″	NL1896	$1299.95
	600mm	Copal 3	9-64	6-5	Yes	95mm	310mm**	29°**	5″ x 7″	NL1898	$1499.95
	800mm	Copal 3	12-64	7-5	Yes	95mm	310mm**	22°**	5″ x 7″	NL1900	$1599.95

Nikkor-AM Series Lens

This Apo-Macro Lens is designed exclusively for close-up work. It is optimized for 1 X magnification. ED (Extra-low Dispersion) glass provides excellent correction of chromatic aberration on the optical axis caused by secondary spectra.

APO-Macro ED											
	120mm	Copal 0	5.6-45	8-4	Yes	52mm	250mm***	55°***	4″ x 5″	NL1867	$ 799.95
	210mm	Copal 1	5.6-64	8-4	Yes	67mm	400mm***	51°***	10″ x 12″	NL1868	$ 999.95

*At f/16 **At f/22 ***At 1 X.

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery,
Monday through Friday
8 a.m. to 5:30 p.m.
(central time).

At the printing date of this catalog, Nikon large format lenses are in extremely short supply. Please call for price and availability.

LARGE FORMAT
Fujinon Lenses

PRONTOR PRO OPTION
The Prontor Professional Shutter System is now available as an "original equipment" shutter. See page 44.

Fujinon SWDS Lenses



Fujinon SWDS	Focal Length	Type of Shutter	Aperture Range	Lens Construction	Multi-Coating	Filter Size	Image Circle	Angle of Coverage	Format Size	Cat. No.	Price
	65mm	Copal 0	5.6-45	6-8	Yes	67mm	169mm**	105°**	4" x 5"	FJ0655	$759.95
	75mm	Copal 0	5.6-64	6-8	Yes	67mm	196mm**	105°**	4" x 5"	FJ0755	$849.95
	90mm	Copal 0	5.6-64	6-8	Yes	82mm	236mm**	105°**	5" x 7"	FJ0905	$859.95

Fujinon NSWS Lenses

Fujinon NSWS											
	90mm	Copal 0	8-45	6-6	Yes	67mm	216mm**	100°**	5" x 7"	FJ0908	$449.95
	105mm	Copal 0	8-45	6-6	Yes	77mm	250mm**	100°**	5" x 7"	FJ1058	$849.95
	125mm	Copal 0	8-45	6-6	Yes	86mm	290mm**	100°**	5" x 7"	FJ1258	$899.95

Fujinon NWS Lenses



Fujinon NWS											
	105mm	Copal 0	5.6-45	6-6	Yes	46mm	162mm**	76°**	4" x 5"	FJ3105	$399.95
	125mm	Copal 0	5.6-64	6-6	Yes	52mm	198mm**	76°**	4" x 5"	FJ3125	$399.95
	135mm	Copal 0	5.6-64	6-6	Yes	52mm	206mm**	76°**	4" x 5"	FJ3135	$329.95
	150mm	Copal 0	5.6-64	6-6	Yes	52mm	224mm**	76°**	5" x 7"	FJ3150	$279.95
	180mm	Copal 1	5.6-64	6-6	Yes	67mm	280mm**	76°**	5" x 7"	FJ3180	$399.95
	210mm	Copal 1	5.6-64	5-6	Yes	67mm	300mm**	71°**	5" x 7"	FJ3210	$399.95
	250mm	Copal 1	6.3-64	4-6	Yes	67mm	312mm**	64°**	5" x 7"	FJ3253	$649.95

Fujinon WS Lenses

Fujinon WS											
	250mm	Copal 1	6.7-64	4-6	No	67mm	398mm**	80°**	8" x 10"	FJ3257	$709.95
	300mm	Copal 3	5.6-90	4-6	Yes	77mm	420mm**	80°**	8" x 10"	FJ3300	$1029.95
	360mm	Copal 3	6.3-90	4-6	Yes	86mm	485mm**	80°**	11" x 14"	FJ3360	$1159.95

Fujinon CS Lenses

This compact, apochromatic series, designed for both close-up and distant shooting, is optimized for 1:5 to infinity. The 4-component/ 4-element design delivers outstanding cost-performance, and yet assures sharpness and produces a relatively large image circle.

Fujinon CS											
	300mm	Copal 1	8.5-64	4-4	Yes	52mm	380mm**	66°**	8" x 10"	FJ5300	$649.95
	450mm	Copal 1	12.5-64	4-4	Yes	49mm	486mm**	57°**	11" x 14"	FJ5450	$899.95
	600mm	Copal 3	11.5-64	4-4	Yes	67mm	620mm**	55°**	14" x 17"	FJ5600	$1469.95

Fujinon TS Lenses

These long focal length lenses are especially suitable for field cameras having limited bellows extension. Their telephoto design requires minimal bellows extension in spite of focal length and their physical size makes them comfortably portable.

Fujinon TS											
	300mm	Copal 0	8-64	5-5	Yes	67mm	213mm**	39°**	5" x 7"	FJ6300	$669.95
	400mm	Copal 1	8-64	5-5	Yes	67mm	220mm**	31°**	5" x 7"	FJ6400	$899.95
	600mm	Copal 1	12-90	5-5	Yes	67mm	260mm**	24°**	5" x 7"	FJ6600	$1099.95

Fujinon AS Lenses

These are 6-element, "super-apochromatic" lenses in which residual color aberration has been corrected close to perfection. Especially designed for close-up and copy work, yet their compactness makes them excellent for location work.

Fujinon AS											
	180mm	Copal 0	9-90	4-6	Yes	46mm	252mm**	70°**	5" x 7"	FJ4180	$509.95
	240mm	Copal 0	9-90	4-6	Yes	52mm	336mm**	70°**	8" x 10"	FJ4240	$509.95
	300mm	Copal 1	9-90	4-6	Yes	55mm	420mm**	70°**	8" x 10"	FJ4300	$749.95
	360mm	Copal 1	10-90	4-6	Yes	58mm	504mm**	70°**	11" x 14"	FJ4360	$999.95

Fujinon SFS Lenses

These high quality soft focus lenses virtually eliminate the need for retouching. Softness control is provided by two custom grids which allow you to adjust softening effect to your particular needs. Tones are natural and highlights are outstanding.

Fujinon SFS											
	180mm	Copal 1	5.6-22	3-3	No	46mm	200mm**	58°**	4" x 5"	FJ7180	$569.95
	250mm	Copal 3	5.6-22	3-3	No	67mm	300mm**	58°**.	5" x 7"	FJ7250	$599.95

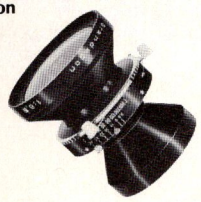
**f/22

PRONTOR PRO OPTION
The Prontor Professional Shutter System is now available as an "original equipment" shutter. See page 44.

Rodenstock Grandagon Lenses

Grandagon extreme wide angle lenses are distinguished by their excellent color correction and even illumination over the entire image area, important advantages particularly when extreme camera movements are used with flatness of field.

Rodenstock Grandagon



Focal Length	Type of Shutter	Aperture Range	Less Construction	Multi-Coating	Filter Size	Image Circle	Angle of Coverage	Format Size	Cat. No.	Price
65mm	Copal 0	4.5-45	8-4	Yes	58mm	170mm*	105°*	4" x 5"	**RS2000**	**$699.95**
75mm	Copal 0	4.5-45	8-4	Yes	67mm	195mm*	105°*	4" x 5"	**RS2010**	**$749.95**
90mm	Copal 1	4.5-45	8-4	Yes	82mm	236mm*	105°*	5" x 7"	**RS2020**	**$849.95**
75mm	Copal 0	6.8-45	6-4	Yes	58mm	187mm*	100°*	4" x 5"	**RS2005**	**$489.95**
90mm	Copal 0	6.8-45	6-4	Yes	67mm	221mm*	102°*	5" x 7"	**RS2015**	**$499.95**
115mm	Copal 1	6.8-45	6-4	Yes	82mm	291mm*	104°*	5" x 7"	**RS2025**	**$879.95**
155mm	Copal 1	6.8-45	6-4	Yes	105mm	369mm*	102°*	8" x 10"	**RS2030**	**$1849.95**
200mm	Copal 3	6.8-64	8-4	Yes	135mm	495mm**	102°**	11" x 14"	**RS2035**	**$2599.95**

Rodenstock Sironar-N Lenses

Sironar-N's corner-to-corner resolution, superb contrast and freedom from distortion are unexcelled. Above all, the Sironar-N offers a degree of color fidelity normally found only in apochromatic lenses and more than ample coverage for creative camera movements.

Rodenstock Sironar-N



100mm	Copal 0	5.6-45	6-4	Yes	40.5mm	147mm*	70°**	2¼" x 3¼"	**RS1000**	**$249.95**
135mm	Copal 0	5.6-64	6-4	Yes	40.5mm	188mm*	72°**	4" x 5"	**RS1005**	**$299.95**
150mm	Copal 0	5.6-64	6-4	Yes	49mm	208mm*	72°**	4" x 5"	**RS1010**	**$309.95**
180mm	Copal 1	5.6-64	6-4	Yes	58mm	252mm*	72°**	5" x 7"	**RS1015**	**$399.95**
210mm	Copal 1	5.6-64	6-4	Yes	67mm	286mm*	72°**	5" x 7"	**RS1020**	**$449.95**
240mm	Copal 3	5.6-64	6-4	Yes	77mm	337mm*	72°**	8" x 10"	**RS1025**	**$799.95**
300mm	Copal 3	5.6-64	6-4	Yes	86mm	407mm*	72°**	8" x 10"	**RS1030**	**$1049.95**
360mm	Copal 3	6.8-64	6-4	Yes	105mm	435mm*	64°**	8" x 10"	**RS1035**	**$1099.95**
480mm	Copal 3	8.4-90	6-4	Yes	112mm	500mm**	56°**	11" x 14"	**RS1040**	**$1499.95**

Rodenstock Apo-Ronar Lenses

These versatile apochromatically corrected lenses produce optimum color fidelity, contrast, definition and freedom from distortion. Ideally suited for exacting close-up work in commercial and industrial applications, the Apo-Ronar's yield consistent quality in shots from same-size reproduction to subjects at infinity *(i.e. landscapes)*.

Rodenstock Apo-Ronar	150mm	Copal 0	9-64	4-4	Yes	40.5mm	135mm**	48°**	2¼" x 3¼"	**RS4150**	**$379.95**
	240mm	Copal 1	9-90	4-4	Yes	49mm	212mm**	48°**	4" x 5"	**RS4240**	**$469.95**
	300mm	Copal 1	9-90	4-4	Yes	49mm	264mm**	48°**	5" x 7"	**RS4300**	**$549.95**
	360mm	Copal 3	9-90	4-4	Yes	58mm	318mm**	48°**	8" x 10"	**RS4360**	**$749.95**
	480mm	Copal 3	9-90	4-4	Yes	67mm	396mm**	46°**	8" x 10"	**RS4480**	**$949.95**

Rodenstock Macro-Sironar Lenses

An innovative, high performance lens especially designed for close-up photography. This six element lens produces first class quality between the limits of 3x reduction and 3x enlargement. For best image reproduction quality within these limits, the optical elements can be set in different positions in the shutter according to the desired image scale. Macro-Sironar color rendition is superb.

Rodenstock Macro-Sironar	210mm	Copal 3	5.6-64	6-4	Yes	67mm	525mm***	64°**	8" x 10"	**RS1022**	**$949.95**
	300mm	Copal 3	5.6-64	6-4	Yes	77mm	550mm***	50°**	8" x 10"	**RS1032**	**$1799.95**

***Image circle at 1x magnification. **at f/22 *at f/16

Rodenstock Imagon Lenses

While the Imagon was originally designed as a portrait or fashion lens, to produce a controllable variable range of softness and reduce retouching, it has also proved extremely useful in a wide range of commercial and landscape applications.

Rodenstock Imagon	200mm	Copal 3	5.8-11.5	3-2	No	55 S.O.	150mm***	–	2¼" x 3¼"	**RS2500**	**$599.95**
	250mm	Copal 3	5.8-11.5	3-2	No	55 S.O.	180mm***	–	4" x 5"	**RS2510**	**$629.95**
	300mm	Copal 3	6.8-11.5	3-2	No	55 S.O.	220mm***	–	5" x 7"	**RS2515**	**$699.95**

***at f/11.5

LARGE FORMAT
Professional Shutters
Calumet Shutter Tester

Prontor Professional Shutter System

This convenient professional shutter system permits the setting and reading of the F-stops from behind the camera. By being able to control the aperture opening and open the shutter from the rear of the camera, the photographer is able to determine depth of field and provide maximum brightness when viewing the subject without changing positions. This mechanically controlled, matte black shutter is light, compact and reliable. Its self-cocking design is always ready to shoot, even for multiple exposures in quick succession. The Prontor shutters feature practical shutter speed ranges from 1/125 sec. to 1 sec. and B in all three shutter sizes and precise exposure times, protected flash connection with high friction plug, clearly visible and conveniently located scales and accessible operating elements. A 5-section diaphragm features click-stops in 1/3 stop stages. The Prontor professional system offers unprecedented operating convenience, allowing the photographer more time to concentrate on his subject.

Prontor Pro Option includes a shutter, aperture setting device, time setting device and calibration.

Prontor Pro Option
Calumet is now offering Prontor Professional shutters as "original equipment" shutters in most large format lenses. Credit will be given for the Copal shutter. To arrive at the price for your lens with the Prontor Professional Shutter System simply add the Prontor Pro Option price to your lens selection.

"Prontor #0 Pro Option"
Add this amount to your lens price **$279.85***

"Prontor #1 Pro Option"
Add this amount to your lens price **$289.85***

"Prontor #3 Pro Option"
Add this amount to your lens price **$519.85***

**Prices reflect calibration charge ($20.00) and exchange credit for the original Copal shutter supplied with each lens. Exchange credit not available on Nikkor or Fujinon lenses.*

toll free
TECHNICAL ASSISTANCE
Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

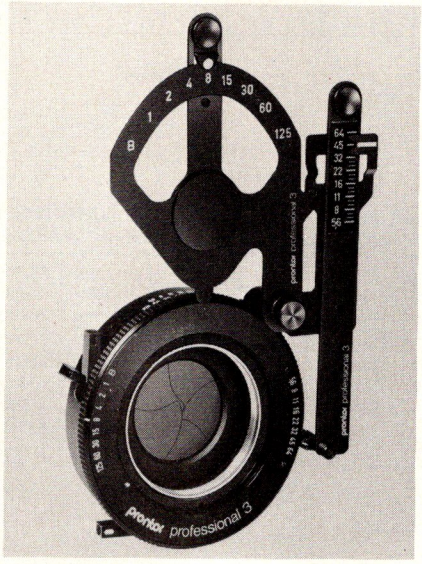
Prontor Professional Shutters

Note: Prontor Shutters require calibration for the lens it is to be used with. Please specify which lens is to be used when ordering any Prontor Shutter.

Prontor Professional Shutter 0.
PW1000 ..... **$259.95**

Prontor Professional Shutter 1.
PW1010 ..... **$269.95**

Prontor Professional Shutter 3.
PW1030 ..... **$499.95**



Aperture Setting Device

Aperture setting accessory further simplifies operation of the shutter. A large scale extends over the top of the camera front permitting aperture setting from the rear of the camera.

No. 0 Shutter. **PW1001** **$49.95**
No. 1 Shutter. **PW1001** **$49.95**
No. 3 Shutter. **PW1031** **$49.95**

Time Setting Device

Time setting accessory complements the aperture setting accessory and allows reading the exposure times from over the camera body and setting them from the rear. *(requires aperture setting device)*

For No. 0 Shutter. **PW1002** **$69.95**
For No. 1 Shutter. **PW1002** **$69.95**
For No. 3 Shutter. **PW1032** **$69.95**

Remote Control Accessory

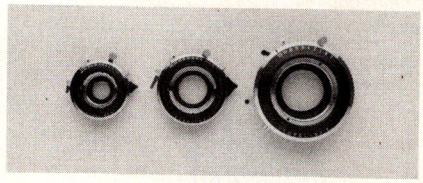
Allows opening, stopping down, closing and tripping the shutter from the rear of the camera. Includes color coded connection cables. **PW2000** **$169.95**

Automatic Cartridge Accessory

Shutter will be automatically closed when the film holder is inserted in the camera back with the automatic cartridge accessory. Prevents exposing the film if the shutter is left open. Couples with the remote control accessory. (Requires camera back to be equipped with M 6 screw-in connection.) Cambo cameras equipped with revolving back accessory have an M 6 connection.

PW2010 ..... **$31.95**

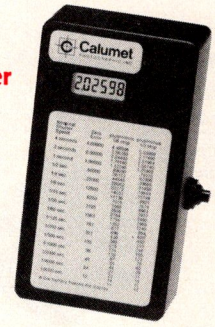
Copal Mechanical Shutters*



#0 **CO1000** **$140.00**
#1 **CO2000** **$180.00**
#3 **CO3000** **$290.00**
Press #0 **CO4000** **$140.00**
Press #1 **CO4500** **$180.00**

Supplied with blank aperture scales.

Calumet Solid State Shutter Tester



This inexpensive and precise tool can save you untold amounts of money and aggravation by testing the accuracy and consistency of your camera and lens shutters. The Calumet Shutter Tester is a six digit LCD, direct read out, instrument with a built-in universal probe for both focal plane and leaf shutters. The LCD shows all the timing information required, without the nuisance of calculating scales, in times from 0.00001 seconds to 9.9999 seconds (shutter times of longer than 10 seconds can be tested with this unit, however, only the last six digits will be displayed).

Ease of operation begins with the fact that the unit is powered by a 9-volt alkaline battery, which gives you approximately 50 hours of use, and allows you the convenience of using it in the field or anywhere in the studio. To operate, you simply turn your camera or lens toward a light source (light bulb or bright area), place the probe near the center of the film plane or near the rear element on a leaf shutter lens, and release the cocked shutter. The Shutter Tester will display the shutter speed in seconds (i.e., 0.00100 is 1/1000 of a second) and will automatically reset. It's very easy, it's very accurate, and it's very inexpensive.

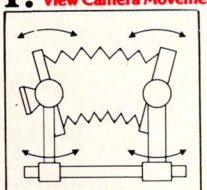
Other features

- Built-in voltage regulator for constant voltage over the entire life of the battery.
- Contains a built-in table for figuring degree of error to be compensated for in f/stops.
- Unit can be used to measure the duration of electronic flash.
- Measures 2.5" x 4.7" x 1.6" and weighs about 6 ounces with battery.

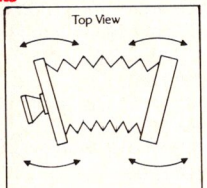
AA8075 ..... **$69.95**

View Camera Movements

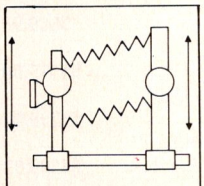
1. View Camera Movements



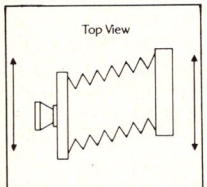
TILT: Rotating (tilting) the front or back of the camera forward or backward.



SWING: Rotating (swinging) the front or back of the camera left or right.



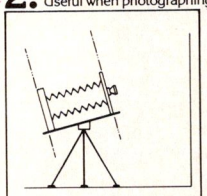
RISE AND FALL: Vertically raising or lowering the front or back of camera.



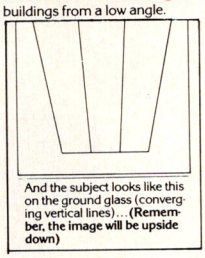
LATERAL SHIFT: Moving the front or back of the camera laterally to the left or right.

2. Vertical Perspective Control (Low Camera Angle)

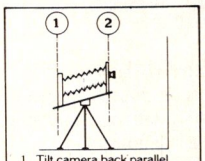
Useful when photographing buildings from a low angle.



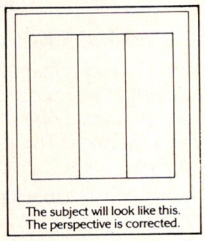
If the camera is pointing upward...



And the subject looks like this on the ground glass (converging vertical lines)... **(Remember, the image will be upside down)**



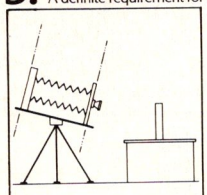
1. Tilt camera back parallel to face of the subject to correct perspective.
2. Tilt camera front parallel to back to correct sharpness. Refocus if necessary and...



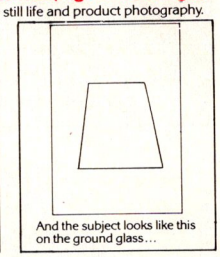
The subject will look like this. The perspective is corrected.

3. Vertical Perspective Control (High Camera Angle)

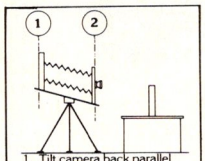
A definite requirement for still life and product photography.



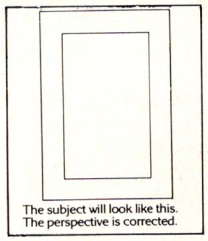
If the camera is pointing downward...



And the subject looks like this on the ground glass...



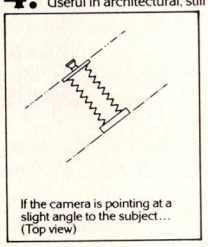
1. Tilt camera back parallel to face of the subject to correct perspective.
2. Tilt camera front parallel to back and correct sharpness. Refocus if necessary and...



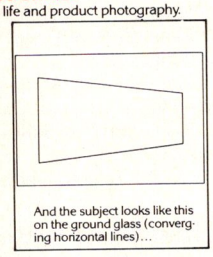
The subject will look like this. The perspective is corrected.

4. Horizontal Perspective Control

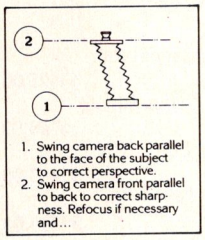
Useful in architectural, still life and product photography.



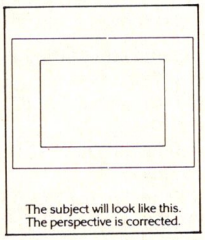
If the camera is pointing at a slight angle to the subject... (Top view)



And the subject looks like this on the ground glass (converging horizontal lines)...



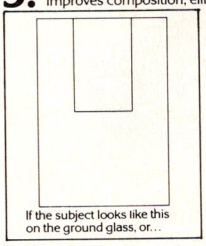
1. Swing camera back parallel to the face of the subject to correct perspective.
2. Swing camera front parallel to back to correct sharpness. Refocus if necessary and...



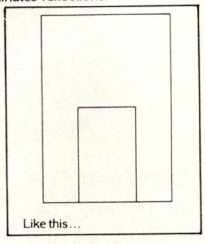
The subject will look like this. The perspective is corrected.

5. Vertical Image Placement

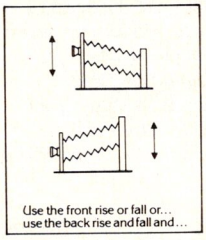
Improves composition, eliminates reflections.



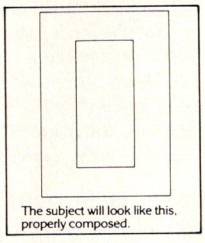
If the subject looks like this on the ground glass, or...



Like this...



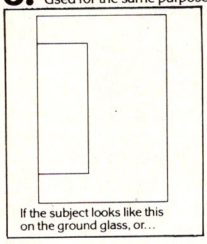
Use the front rise or fall or... use the back rise and fall and...



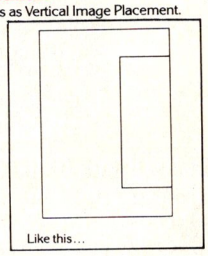
The subject will look like this, properly composed.

6. Horizontal Image Placement

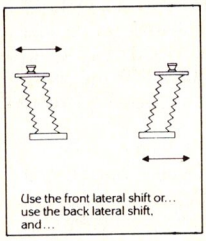
Used for the same purposes as Vertical Image Placement.



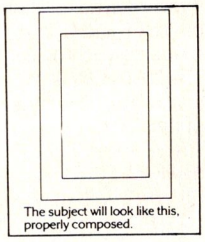
If the subject looks like this on the ground glass, or...



Like this...



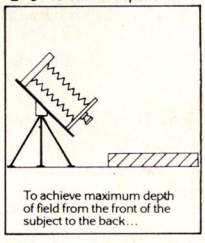
Use the front lateral shift or... use the back lateral shift, and...



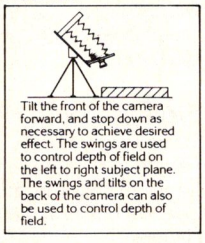
The subject will look like this, properly composed.

7. Depth of Field

To control depth of field with the camera.



To achieve maximum depth of field from the front of the subject to the back...



Tilt the front of the camera forward, and stop down as necessary to achieve desired effect. The swings are used to control depth of field on the left to right subject plane. The swings and tilts on the back of the camera can also be used to control depth of field.

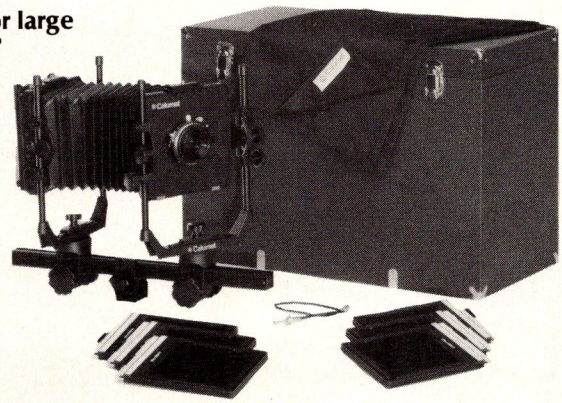
For further information . . .

The above examples illustrate all the most commonly used view camera movements, which can be used individually or in conjunction with each other. There are many view camera books available which will provide detailed discussions about camera movements.

What do you need for large format photography?

The equipment requirements for large format photography are really quite simple. Here's all you'll need:

1. 4"x5" view camera
2. Large format lens
3. Six or more sheet film holders
4. Sturdy tripod or stand
5. Focusing cloth or hood
6. Focusing magnifier or lupe 5x to 6x
7. Carrying case
8. Hand-held light meter
9. The 4"x5" film of your choice
10. Cable release



If you already own some of these items, such as a sturdy tripod or light meter, your initial expenditure will be proportionately reduced. For additional information about large format photography, equipment or accessories, feel free to write or call Calumet Photographic. We'll be glad to answer any questions or to advise you about our equipment.

©1988 Calumet Photographic, Inc.

NOTICE

Due to the uncertainty of prices at the time of printing, please call for our current low Hasselblad prices.



Hasselblad 500C/M

500C/M Chrome body
HA1005 ..... **$819.95**
500C/M Black body
HA1009 ..... **$819.95**



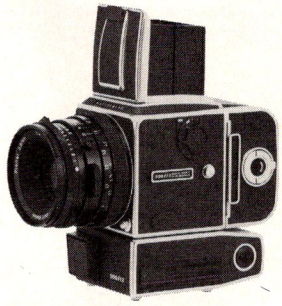
Hasselblad 2000 FCW Cameras

The Hasselblad 2000 FCW offers the freedom to choose between using fast F lenses that utilize the camera's focal plane shutter (synchronized for flash to 1/90 of a second) or the CF and C lenses with their built-in leaf shutters (synchronized to 1/500 of a second). The 2000 FCW is compatible with the film magazines, viewfinders and focusing screens of the 500 C/M.

The Hasselblad 2000 FCW has several newly designed features. When using C and CF lenses with their built-in leaf shutters, the 2000 FCW works mechanically, entirely independent of the battery in the camera. When the focal plane shutter is used, it is controlled by the camera's battery. This camera accepts the automatic film winder which is powered by 5 nickel cadmium batteries providing up to 1,000 exposures at 1.3 frames per second.

2000 FCW chrome body
HA1003 ..... **CALL**
2000 FCW black body
HA1011 ..... **CALL**





Hasselblad 500ELX

Motor driven camera with TTL flash sensor capabilities which decides discharge time of flash. (*Camera body shown with optional lens and magazines.*) Three-year warranty.
HA1001 ..... **$1295.00**
Nicad Rechargeable Battery
HA6000 ..... **$39.95**



Hasselblad SWC/M

This specialized camera is designed specifically for wide angle photography. It's permanently attached 38mm f4.5 Biogon CF lens (Series 60) is fully corrected for curvilinear distortion and has a 90° angle of view.
SWC/M *(without magazine).* Supplied complete with viewfinder, neck strap, front lens cap, and protective rear cover. Three year warranty. **HA1004** **$2325.00**

Focusing Screens

Split Image **HA3204** **$35.95**
Checked w/central grid
HA3208 ..... **$35.95**
Split Image/grid
HA3212 ..... **$35.95**

Bright-Matte Focusing Screen

This screen is designed for optimum brightness and high focusing precision. Incorporating a fresnel lens with a special micro-cutting it delivers an increase of light from 2.5 to 4 times that of the standard screen. This screen can be used with all lenses and viewfinders.
HA3240 ..... **$79.95**

3-Year
U.S.A. Warranty

All Hasselblad products sold by Calumet are legally imported and carry the full force of VICTOR HASSELBLAD INC. warranties, promotions, and rebates where applicable.

Prices are subject to change without notice.

Hasselblad CF Lenses

(Series 60 unless noted)
30mm CF Distagon f3.5 T* Fisheye (4 filters included)
HA1100 ..... **$2749.00**
40mm CF Distagon f4 T* (Series 93)
HA1105 ..... **$2025.00**
50mm CF Distagon f4 T*
HA1110 ..... **$1269.95**
60mm CF Distagon f3.5 T*
HA1115 ..... **$1195.00**
80mm CF Planar f2.8 T*
HA1120 ..... **$869.95**
100mm CF Planar f3.5 T*
HA1125 ..... **$1175.00**
120mm CF Makro-Planar f4 T*
HA1135 ..... **$1295.00**
135mm CF Makro-Planar f5.6 T*
HA1140 ..... **$1189.95**
150mm CF Sonnar f4 T*
HA1145 ..... **$1339.95**
250mm CF Sonnar f5.6 T* (Series 60)
HA1150 ..... **$1425.00**
250mm Superachromat f5.6 (Series 60)
HA1155 ..... **$2325.00**
350mm CF Tele-Tessar f5.6 T* (Series 93)
HA1160 ..... **$2025.00**
500mm CF Tele-Apotessar f8.0 T* (Series 93)
HA1165 ..... **$2695.00**
140-280mm f5.6 (Series 93)
HA1167 ..... **$2749.00**
2x Mutar Tele-converter **HA1170** **$979.95**

Hasselblad F Lenses

Hasselblad F lenses fit the 2000 FCW and 2000 FC/M.

50mm Distagon F f2.8 T* (Series 93)
HA1090 ..... **$1525.00**
80mm Plannar F f2.8 T* (Series 50/60)
HA1092 ..... **$709.00**
110mm Plannar F f2.0 T* (Series 70)
HA1094 ..... **$1495.00**
150mm Sonnar F f2.8 T* (Series 70)
HA1096 ..... **$1395.00**
250mm Tele-Tessar F f4 T* (Series 70)
HA1098 ..... **$1549.00**
350mm Tele-Tessar F f4 T* (Series 93)
HA1099 ..... **$3225.00**
Mutar 2x Tele-converter
HA1170 ..... **$979.95**

Professional Lens Shade

Compendium design is highly efficient and flexible and extends about 3⅛" with markings for various focal length settings. (*Mounting rings are not included.*)
HA3060 ..... **$182.95**
Professional Lens Shade 93 – **NEW**
HA3056 ..... **$199.95**

Lens Mounting Rings for Pro Lens Shade
Series 50 **HA3062** **$32.95**
Series 60 **HA3063** **$29.95**
Series 63 **HA3064** **$35.95**
Series 70 **HA3065** **$32.95**
Series 93 **HA3061** **$44.95**

Standard Lens Shades for Series 60 Lenses
Shade for 38-60mm lenses
HA3050 ..... **$39.95**
Shade for 80mm lens **HA3051** ..... **CALL**
Shade for 100-250mm lenses
HA3052 ..... **$54.95**

Chrome Film Magazines

A12 12 exp 2¼ x 2¼
HA2060 ..... **$399.95**
A12 V 12 exp. 1⅝ x 2¼
HA2061 ..... **$449.95**
A16 16 exp 1⅝ x 2¼
HA2062 ..... **$439.95**
A16S 16 exp 1⅝ x 1⅝
HA2064 ..... **$439.95**
A24 24 exp 2¼ x 2¼
HA2068 ..... **$439.95**
Polaroid 100 **HA2076** **$259.95**
70mm Chrome **HA2070** **$569.95**
Cut film adapter **HA2078** **$114.95**
Cut film holder
HA2080 ..... **$84.95**

Hasselblad Black Magazines

A12 12 exp. 2¼ x 2¼ blk.
HA2090 ..... **$409.95**
A12 V 12 exp. 1⅝ x 2¼ blk.
HA2091 ..... **$449.95**
A16 16 exp. 1⅝ x 2¼ blk.
HA2092 ..... **$439.95**
A16S 16 exp. 1⅝ x 1⅝ blk.
HA2094 ..... **$439.95**
A24 24 exp. 2¼ x 2¼ blk.
HA2096 ..... **$439.95**
70mm for 70 exp. 2¼ x 2¼ blk.
HA2098 ..... **$569.95**

Magazine Belt Clip

Black leather and canvas padded belt clip features a velcro safety closure, spring clip, and belt loop. (fits A12, A16, and A24 magazines)
PB1000 ..... **$17.95**

Hasselblad Viewfinders

PM Prism Finder – Yields unreversed image 3X larger than focus screen. 45° sighting angle. Built-in flash shoe.
HA2257 ..... **$539.95**
PME Meter Prism Finder – Features center weighted metering with EV 2-19 metering range. 45° sighting angle.
HA2261 ..... **$979.95**
Magnifying Hood – Enlarges the focusing screen image 2½ times and eyepiece allows from +3.5 to –2.5 diopter adjustment.
HA2254 ..... **$199.95**
RM-2 Reflex Finder – Yields unreversed image 3X larger than focusing screen. Used with magazine 70 and the data recording magazine.
H2262 ..... **$629.95**

Camera Brackets

Pistol Grip for 500C/M, 2000FC/M, 2000FCW
HA3302 ..... **$66.95**
Flash Gun Bracket w/strap for 500C/M, 2000FCW, 2000FC/M
HA3306 ..... **$179.95**
Flash Gun Bracket w/strap for 500EL/M, 500ELX
HA3308 ..... **$209.95**
Adjustable Flash Holder
HA3310 ..... **$36.95**
Adjustable Flash Shoe
HA3320 ..... **$38.95**
Tripod Quick Coupling
HA3322 ..... **$66.95**

Series 60 Filters

UV Sky **HA5132** **$67.95**
CR 1.5 **HA5134** **$67.95**
CR-3 **HA5135** **$67.95**
Yellow **HA5120** **$67.95**
Green **HA5122** **$67.95**
Orange **HA5124** **$67.95**
Red **HA5126** **$67.95**
Polarizing **HA5128** **$143.95**
Gray **HA5130** **$67.95**
Softar I **HA5160** **$111.95**
Softar II **HA5162** **$111.95**
Softar III **HA5164** **$111.95**

Series 60 Proxar Lenses

Proxar 0.5 **HA5150** **$102.95**
Proxar 1.0 **HA5152** **$102.95**
Proxar 2.0 **HA5154** **$102.95**

Adapter Rings

Step-up ring Series 50-60
HA3067 ..... **$54.95**
Tiffen Series 60 to Series 8
TF06088 ..... **$23.95**
Tiffen Series 60 to 67mm
TF16067 ..... **$23.95**

Hasselblad Miscellaneous Accessories

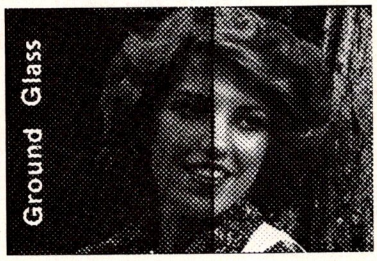
Body Cap (front) **HA7502** **$5.50**
Body Cap (rear) **HA7500** **$8.25**
Camera Strap (reg.) **HA3328** **$24.95**
Camera Strap Wide **HA3330** **$21.95**
Camera Strap Contour **HA3331** **$32.95**
Lens Cap (front) Series 50
HA7600 ..... **$5.50**
Lens Cap (front) Series 60
HA7602 ..... **$5.50**
Lens Cap (front) Series 70
HA8568 ..... **$5.50**
Lens Cap (front) Series 93
HA7606 ..... **$8.95**
Lens Cap (rear) **HA7524** **$6.75**
Knob with Exposure meter
HA2206 ..... **$179.95**
Quick focus handle I for/38/50/60/80/100 C lenses
HA3100 ..... **$21.95**
Quick focus handle II for/120/150/250 C lenses
HA3102 ..... **$21.95**
Gelatin Filter Holder 50-70
HA3066 ..... **$13.95**
Rapid Wind Crank for 2000 FCW
HA2129 ..... **$43.95**
Rapid Wind Crank Universal
HA2200 ..... **$43.95**
Slide f/roll film magazines (rep.)
HA2120 ..... **$7.50**
Slide f/Polaroid 100 magazine (rep.)
HA2122 ..... **$10.95**

Hasselblad Close-up Accessories

Automatic Bellows Extension
HA4070 ..... **$849.95**
Extension Tube 8 **HA4056** **$188.95**
Extension Tube 16 **HA4060** **$158.95**
Extension Tube 32 **HA4064** **$163.95**
Extension Tube 56 **HA4068** **$199.95**
Variable Extension Tube 64-85mm
HA4069 ..... **$424.95**

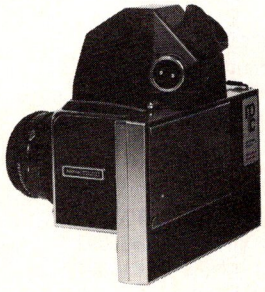
Hasselblad Books

The Hasselblad Manual by Ernst Wildi.
HA8004 ..... **$34.95**
I am the Camera **HA8006** **$9.95**
Sightseeing, A Space Panorama
HA8007 ..... **$9.95**



Beattie Intenscreens

Beattie Intenscreens offer a dramatic increase in viewing brightness, up to 4 f-stops brighter, depending on the camera you use! The Intenscreen's patented image surface and highly corrective field lens enhances its image forming capability, reducing light scatter.
For Bronica SQ/SQ-AM
BT0280 ..... **$109.00**
For Bronica ETRS
BT0285 ..... **$129.00**
For Hasselblad CM/ELM/ELX/FCW
BT0200 ..... **$139.00**
For Mamiya RB-67
BT0210 ..... **$125.00**
For Mamiya 645/645 Super
BT0215 ..... **$125.00**



NPC Instant Film Backs

NPC Polaroid film holders offer evaluation and proofing of exposure, lighting, and composition. They attach quickly and meet Polaroids specifications for film plane accuracy. These backs carry a LIMITED LIFE TIME WARRANTY.
For Bronica ETR-S
(compatible with viewfinder/speedgrip)
NP2020 ..... **$139.95**
For Bronica GS-1
NP2050 ..... **$224.95**
For Bronica SQ
NP2060 ..... **$179.95**
For Hasselblad (compatible with all prism view finders)
NP2000 ..... **$169.95**
For Mamiya RB-67 (P adapter not required)
NP2010 ..... **$139.95**
For Mamiya RZ-67 (auto)
NP2030 ..... **$199.95**
For Mamiya RZ-6 (manual)
NP2040 ..... **$174.95**

MEDIUM FORMAT
Bronica



Bronica ETRS
Convenient 6 x 4.5 Format!

- Interchangeable day-light load roll film holders, including 120, 220, 35mm, and Polaroid backs.
- Interchangeable focusing screens and viewfinders.
- Flash synch up to 1/500th sec.
- Multiple exposure capabilities.
- Electronically controlled shutter settings from 8-1/500th sec., plus T setting.

ETRS Body w/120 film back.
(Lens and finder not included.)
BA0100 ..... **$539.95**

ETRS Package
ETRS Body w/120 film back, waist level finder and 75mm f2.8 lens
Package price **$994.85**

Bronica ETRS Viewfinders
Bronica AE-II Finder E **BA0206** **$499.95**
Bronica Prism Finder E **BA0202** **$234.95**
Bronica Rotary Viewfinder E
BA0204 ..... **$274.95**
Bronica Waist-Level Finder E
BA0200 ..... **$94.95**
Bronica High Eyepoint Prism
BA0198 ..... **$529.95**

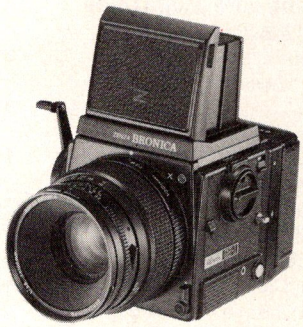
ETRS Zenzanon-E Lenses
40mm f4 (620) **BA0300** **$629.95**
50mm f2.8 (620) **BA0302** **$549.95**
75mm f2.8 (620) **BA0304** **$359.95**
100mm f4 Macro (620) **BA0307** **$599.95**
105mm f3.5 (620) **BA0306** **$489.95**
150mm f3.5 (620) **BA0308** **$549.95**
200mm f4.5 (620) **BA0310** **$659.95**
250mm f5.6 (620) **BA0312** **$709.95**
500mm f8 Zenzanon-E II (950)
BA0314 ..... **$1695.00**
2X Teleconverter for E lenses
BA0375 ..... **$429.95**

Bronica ETRS Film Backs
ETRS 120 6 x 4.5 Film Back **BA0400** ... **$209.95**
ETRS 220 6 x 4.5 Film Back **BA0402** ... **$209.95**
ETRS 135-N (24 x 36) Back **BA0406** ... **$279.95**
ETRS 135-W (24 x 54) Back **BA0408** **$279.95**
NPC/Bronica Instant Film Back – compatible with viewfinder/speedgrip.
NP2020 ..... **$139.95**
Polaroid Film Back E (6 x 4.5) – uses 660, 100, and 80 Series film. **BA0411** **$179.95**
Tripod Adapter for Polaroid Film Back E
BA1272 ..... **$94.95**

Bronica ETRS Accessories
ETRS Film Inserts
6 x 4.5 Film insert for 120
BA1230 ..... **$119.95**
6 x 4.5 Film insert for 220
BA1232 ..... **$119.95**
ETRS Lens Accessories
Auto Extension Tube E-14
BA1250 ..... **$219.95**
Auto Extension Tube E-28
BA1252 ..... **$229.95**
Auto Extension Tube E-42
BA1254 ..... **$229.95**
Auto Bellows **BA1257** **$629.95**
E Rapid Focus Lever **BA1224** **$19.95**
Soft Effect Filter Set **BA1275** **$84.95**
Miscellaneous ETRS Accessories
Quick Release Tripod Mount
BA1273 ..... **$63.95**
Tripod Adapter for Polaroid Back
BA1272 ..... **$94.95**
E Motor Drive *(Requires 8-AA batteries. See facing page.)* **BA1222** **$429.95**
Winding Crank ETR-S-C **BA1450** **$19.95**
Remote Cold Weather Pack for ETRS
BA1271 ..... **$49.95**
Lens Hoods for ETRS Lenses
40-50mm Lenses **BA1332** **$23.95**
75mm E II **BA1334** **$23.95**
105-250mm **BA1338** **$23.95**
Pro Lens Hood for 40-250mm Lenses
BA1320 ..... **$169.95**
62mm Lens Adapter Ring for Pro Lens Hood **BA1330** **$19.95**
ETRS Focus Screens
Microprism/Split Image **BA1234** **$39.95**
Matte w/grid **BA1238** **$39.95**
Microprism w/35mm **BA1242** **$39.95**
Microprism w/35mm wide
BA1244 ..... **$39.95**
Split-Image Screen **BA1246** **$39.95**
Speedgrip
Speedgrip for ETRS **BA1220** **$149.95**

Schneider/Bronica Lenses
Schneider lenses, long recognized by professionals for their sharp image and quality construction, are now available again in limited quantities from Bronica. All lenses now feature ½ stop aperture selections and Seiko # 0 shutters. The zoom lenses are two touch and feature macro focus capability.

Schneider/Bronica lenses for the SQ, SQ-A, and SQ-Am
PS Variogon 75-150mm f4.5 93Ø*
BA0333 ..... **$2595.00**
PS Variogon 140-280mm f5.6 93Ø*
BA0337 ..... **$2895.00**
Schneider/Bronica lenses for the ETR-S PE
Variogon 70-140mm f4.5 93Ø*
BA0305 ..... **$2495.00**
PE Variogon 125-250mm f5.6 93Ø*
BA0309 ..... **$2695.00**
PE PCS Super Angulon 55mm f4.5 Perspective Control
BA0303 Bay 1040* **$3750.00**
*Limited Availability From Bronica



Bronica SQ-A
- Interchangeable film backs offer 5 types of different formats: 6 x 6, 6 x 4.5, 35mm standard, 35mm panoramic, and Polaroid.
- Electronically controlled Seiko lens shutter with speeds from 8 to 1/500th sec.
- Multiple exposure capabilities
- Flash synch up to 1/500th sec.

SQ-A Body w/6 x 6cm 120 film back
(Lens and finder not included.)
BA0105 ..... **$779.95**

SQ-A Package
SQ-A Body w/120 film back, waist level finder and 80mm f2.8 PS lens
Package price **$1404.85**

Bronica SQ-Am
Same basic features as the SQ-A, but with additional, built-in motorized automatic film winding action (3 frames per 2 seconds). SQ-Am Body Module (lens and film back not included). *Requires 6-AA batteries. See facing page.*
BA0110 ..... **$849.95**

SQ-A/SQ-Am Viewfinders
AE Prism Finder S – Provides Aperture-priority AE and manual operation.
BA0236 ..... **$579.95**
ME Prism Finder S – Provides TTL manual exposure controls, color coded LED display.
BA0234 ..... **$479.95**
Waist-Level Finder S – Collapsible.
BA0230 ..... **$94.95**
Prism Finder S
BA0232 ..... **$309.95**
Bronica High Eyepoint Prism adapter
BA0229 ..... **$94.95**

SQ-A/SQ-Am Film Backs
SQ120 6 x 6 **BA0430** **$279.95**
SQ220 6 x 6 **BA0432** **$279.95**
SQ-J 120 6 x 4.5 **BA0434** **$279.95**
SQ-J 220 6 x 4.5 **BA0436** **$279.95**
SQ-135-N (24 x 36) **BA0438** **$309.95**
SQ-135-W (24 x 54) **BA0440** **$309.95**
NPC/Bronica Instant Film Back
NP2060 ..... **$179.95**
Polaroid Film Back S (6 x 6) uses 600, 100, and 80 Series film.
BA0442 ..... **$199.95**
Tripod Adapter for Polaroid Film Back S
BA1272 ..... **$94.95**

Prices are subject to change without notice.

SQ-A/SQ-Am Zenzanon-S Lenses

40mm f4 (95Ø) **BA0330** **$799.95**
50mm f3.5 (67Ø) **BA0332** **$689.95**
150mm f3.5 (67Ø) **BA0338** **$699.95**
200mm f4.5 (67Ø) **BA0340** **$749.95**
250mm f5.6 (67Ø) **BA0342** **$749.95**
500mm f8 (95Ø) **BA0344** **$1895.00**
Tele-converter 2X **BA0346** **$479.95**

Zenzanon PS Series Lenses

Zenza Bronica has added to their line the Zenzanon PS series lenses to meet the strict demands of professionals in pursuit of superior image quality. Based on MTF (modulation transfer function) optical theory and new multi-coating process, these lenses have outstanding performance; improving ghost images, flare, light transmission and contrast. Incorporating a Seiko # 0 shutter and the ability to stop down in ½ stop increments, these lenses will fit the Bronica SQ, SQ-A and SQ-Am bodies.

PS 65mm f4 (67Ø) **BA0282** **$709.95**
PS 80mm f2.8 (67Ø) **BA0283** **$529.95**
PS 110mm f4 (67Ø) **BA0284** **$829.95**

Bronica SQ-SQAM Accessories

SQ Film Inserts

6 x 6 120 **BA2000** **$139.95**
6 x 6 220 **BA2002** **$139.95**
6 x 4.5 120 **BA2003** **$139.95**
6 x 4.5 220 **BA2004** **$139.95**

SQ Lens Accessories

Auto Extension Tube S-18
BA2110 ..... **$264.95**
Auto Extension Tube S-36
BA2112 ..... **$274.95**
Auto Bellows S **BA2114** **$659.95**
Soft Effect Filter Set
BA2140 ..... **$89.95**
Rapid Focus Lever for 50-250
BA2122 ..... **$29.95**

Miscellaneous SQ Accessories

Winding Crank SQ/SQ-A
BA2171 ..... **$16.95**
External Battery Pack (SQAM only)
BA2170 ..... **$49.95**
Remote Cold Weather Pack for SQA
BA1271 ..... **$49.95**

Lens Hoods for SQ Lenses

50mm SQ **BA2130** **$31.95**
80mm SQ **BA2132** **$31.95**
105-150mm SQ **BA2134** **$31.95**
200-250mm SQ **BA2136** **$31.95**
Professional Lens Hood
BA2124 ..... **$189.95**
67mm Adapter Ring for Pro Lens Hood **BA2187** **$19.95**

Focusing Screens for SQ-SQAM

Microprism/Split Screen
BA2010 ..... **$39.95**
Grid/Matte Screen **BA2014** **$39.95**
Split Image Screen **BA2018** **$39.95**
Micro/Split - 35mm **BA2020** **$39.95**
Matte - 35mm **BA2022** **$39.95**

Speedgrip

Speedgrip for SQ-A
BA2120 ..... **$169.95**



Bronica GS-1

This simply designed and compact camera offers the latest in mechanical-electronic technology. Features include single or multiple exposures, lock-up reflex mirror, and flash synch up to 1/500th sec. Features:

- Interchangeable focusing screens and finder systems
- Interchangeable film backs for 6 x 7, 6 x 6, 6 x 4.5, 35mm normal and wide formats, and Polaroid.

GS-1 Body w/6 x 7cm 120 back
(Lens and finder not included)
BA0130 ..... **$1049.95**

GS-1 Package
GS-1 Body w/120 film back, waist level finder and 100mm f3.5 lens
Package price **$1654.85**

Bronica GS-1 Viewfinders

AE Prism Finder G – Aperture-priority AE and manual operations with 7 segment LED display.
BA0264 ..... **$599.95**
Prism Finder G – Eye level finder.
BA0262 ..... **$349.95**
Waist-Level Finder G – Collapsible.
BA0260 ..... **$104.95**
AE Rotary Finder
BA0265 ..... **$629.95**

Bronica GS-1 Film Backs

GS120 6 x 7 **BA0460** **$299.95**
GS220 6 x 7 **BA0462** **$299.95**
GS120 6 x 6 **BA0464** **$299.95**
GS220 6 x 6 **BA0466** **$299.95**
GS120 6 x 4.5 **BA0468** **$299.95**
GS220 6 x 4.5 **BA0470** **$299.95**
NPC/Bronica Instant Film Back
NP2050 ..... **$224.95**
Polaroid Film Back G 6 x 7 – uses 600, 100, and 80 Series film.
BA0476 ..... **$279.95**

GS-1 Zenzanon-PG Lenses

50mm f4.5 (95Ø) **BA0360** **$899.95**
65mm f4 (72Ø) **BA0362** **$729.95**
100mm f3.5 (72Ø) **BA0364** **$499.95**
110mm f4 Macro (72Ø)
BA0365 ..... **$899.95**
150mm f4 (72Ø) **BA0366** **$729.95**
200mm f4.5 (82Ø) **BA0368** **$829.95**
250mm f5.6 (82Ø) **BA0370** **$899.95**
Tele-Converter 2X **BA0372** **$469.95**
Tele-Converter 1.4X **BA0374** **$469.95**

Bronica GS-1 Accessories

GS-1 Film Inserts for Film Backs

6 x 7 120 **BA3001** **$159.95**
6 x 7 220 **BA3002** **$159.95**
6 x 6 120 **BA3003** **$159.95**
6 x 4.5 120 **BA3005** **$159.95**
6 x 4.5 220 **BA3006** **$159.95**

GS-1 Lens Accessories

Auto Extension Tube G-18
BA3021 ..... **$269.95**
Auto Extension Tube G-36
BA3022 ..... **$289.95**
Quick Focus Lever G **BA3050** **$39.95**

GS-1 Lens Hoods

Rubber Lens Hood for 65mm
BA3026 ..... **$35.95**
Rubber Lens Hood for 100mm
BA3027 ..... **$35.95**
Rubber Lens Hood for 150mm
BA3028 ..... **$35.95**
Pro Hood **BA1321** **$199.95**
72mm Pro Hood Adapter **BA1310** **$20.95**
82mm Pro Hood Adapter **BA1311** **$20.95**
95mm Pro Hood Adapter **BA1312** **$20.95**
Pro Hood Mask **BA1315** **$24.95**

GS-1 Miscellaneous Accessories

Winding Crank G **BA3060** **$39.95**
Revolving Tripod Adapter for GS-1
BA3075 ..... **$199.95**

Focusing Screens for GS-1

Matte 6 x 6/6 x 4.5 Format Screen
BA3011 ..... **$49.95**
Microprism/Split Image Screen
BA3013 ..... **$49.95**
Microprism 6 x 6/6 x 4.5 Format Screen
BA3014 ..... **$49.95**
Microprism Screen **BA3016** **$49.95**
Split Image Screen **BA3017** **$49.95**
Grid Pattern Focus Screen
BA3018 ..... **$49.95**

Speedgrip

Speedgrip for GS-1 **BA3000** **$199.95**

G-1 Speedlight

Features TTL light control with GS-1 camera, and a guide number of 105. Flash mounts to hot shoe of GS-1 Speedgrip. (Requires 4-AA batteries. See below.)
BA3085 ..... **$289.95**

Varta Photo Batteries
These West German alkaline batteries offer high performance, corrosion resistance and ideal extreme temperature pulse. Specialized battery for all photographic equipment.
Package of 4-AA
VB4206 ..... **$2.95**

to order call toll free
1-800-CALUMET
1-800-225-8638

MEDIUM FORMAT
Mamiya



Mamiya 645 Systems
The Mamiya 645 cameras offer the convenience, versatility and ease of handling of 35mm photography but produces a negative 2.7 times larger. This larger ideal format (1x1.35 ratio) negative will enlarge to 8x10 with out any cropping.
Mamiya 645 1000s body w/insert and screen.
MA0260 ..... **$629.95**

M645 Accessories
Power drive grip
MA2010 ..... **$299.95**
Deluxe grip holder
MA2019 ..... **$82.95**
Prism finder w/case
MA2313 ..... **$209.95**
AE prism finder w/case
MA2317 ..... **$539.95**
120 film insert
MA2420 ..... **$64.95**
220 film insert
MA2425 ..... **$64.95**
Bellows Lens Hood for 645
MA2819 ..... **$119.95**
Waist/Sportfinder S for 645
MA2312 ..... **$99.95**

NPC/Mamiya Instant Film Back
Mamiya RB-67
P Adapter not required
MF-3 **NP2010** **$139.95**
Mamiya RZ-67 MF-4A automatic
NP2030 ..... **$199.95**
Mamiya RZ-67 MF-4M manual
NP2040 ..... **$174.95**

Beattie Intenscreen
(see page 47 for details.)
Intenscreen for RB67 **BT0210** **$125.00**
Intenscreen for 645 **BT0215** **$125.00**
Intenscreen for C330 **BT0220** ... **$109.00**
Intenscreen for C330S **BT0225** **$109.00**

Varta Photo Batteries
Package of 4-AA **VB4206** **$2.95**

to order call toll free
1-800-CALUMET
1-800-225-8638



Mamiya 645 Super
The Mamiya 645 Super has interchangeable backs available in 120, 220, 135 and Polaroid sizes. Film speed dials are built into each back insuring accuracy and speed when changing formats. The locking dark slide protects the film from accidental exposure. The optional AE prism finder can be utilized for spot, average, or automatic exposure control. The 645 Super uses the same lenses as the 645 1000s and accepts the new Power Winder N.
Mamiya 645 Super body with screen.
MA0265 ..... **$579.95**

M645 Super Accessories
Prism finder **MA5002** **$279.95**
AE prism finder **MA5003** **$569.95**
Waist Level Finder N **MA5001** **$92.95**
Angle Finder N **MA5027** **$149.95**
120 roll film holder **MA5004** **$189.95**
220 roll film holder **MA5005** **$189.95**
35mm roll film holder **MA5007** **$329.95**
Polaroid holder **MA5006** **$229.95**
L Grip holder – small **MA5022** **$129.95**
L Grip holder – medium **MA5023** **$129.95**
L Grip holder – large **MA5024** **$129.95**
Power drive **MA5025** **$289.95**
35mm film insert **MA5008** **$129.95**

645 Extension Tubes
Auto Extension Tube #1 **MA2870** **$74.95**
Auto Extension Tube #2 **MA2871** **$77.95**
Auto Extension Tube #3 **MA2872** **$79.95**
Macro Spacer 1::1 80mm **MA2893** **$84.95**

645/645 Super Lenses
45mm f2.8S w/case, hood (67Ø)
MA1010 ..... **$499.95**
55mm f2.8S w/case, hood (58Ø)
MA1013 ..... **$379.95**
70mm f2.8 w/case, hood (58Ø)
MA1103 ..... **$549.95**
80mm f1.9 (67Ø) **MA1110** **$329.95**
80mm f4 Macro (67Ø) **MA1115** **$539.95**
80mm f2.8 w/hood (58Ø)
MA1112 ..... **$209.95**
145mm f4.0 SFC w/case, hood (77Ø)
MA1210 ..... **$679.95**
150mm f3.5 w/case (58Ø)
MA1214 ..... **$369.95**
210mm f4.0 w/case (58Ø)
MA1220 ..... **$409.95**
75-150mm f4.5 (77Ø)
MA1425 ..... **$929.95**
105-210mm f4.5 (77Ø)
MA1431 ..... **$979.95**



Mamiya RB67 Pro-S
The Mamiya RB67 Pro-S camera produces a larger 6 x 7 negative rendering an exceptional image. Its unique revolving film back permits vertical or horizontal format photography without changing camera positions. Interchangeable film backs, viewfinders and focusing screens, and lenses make the RB-67 a versatile camera for studio and location applications.
RB-67 Pro-S body, finder, and matte screen.
MA0275 ..... **$469.95**

Mamiya RB67 Pro-S Lenses
37mm f4.5 Fisheye w/case and 4 filters. (40.50) **MA1610** **$1399.95**
50mm f4.5 RB lens w/hood. (77Ø)
MA1615 ..... **$979.95**
65mm f4.5 RB lens w/hood. (77Ø)
MA1620 ..... **$929.95**
90mm f3.8 RB lens w/hood. (77Ø)
MA1625 ..... **$609.95**
127mm f3.8 RB lens w/hood. (77Ø)
MA1630 ..... **$589.95**
140mm f4.5 RB Macro lens w/hood. (77Ø)
MA1635 ..... **$899.95**
150mm f4.0 RB Soft Focus w/hood and discs. (77Ø) **MA1640** **$919.95**
180mm f4.5 RB lens w/hood. (77Ø)
MA1645 ..... **$769.95**
250mm f4.5 RB lens w/hood. (77Ø)
MA1650 ..... **$969.95**
360mm f6.3 RB lens w/hood. (77Ø)
MA1660 ..... **$1199.95**
500mm f8.0 RB lens w/hood and lens holder. (105Ø) **MA1680** **$2699.95**

RB67 Accessories
Pro-S 120 Roll Film Holder
MA2438 ..... **$269.95**
Pro-S 220 Roll Film Holder
MA2439 ..... **$269.95**
Pro-S 6 x 4.5 Roll Film Holder
MA2440 ..... **$269.95**
Polaroid Holder Model 3 for Polaroid Type 105/107/108 film (requires P-Adapter)
MA2450 ..... **$249.95**
P-Adapter
MA2470 ..... **$67.95**

RB-67 Extension Tubes
Auto Extension Tube #1
MA2875 ..... **$224.95**
Auto Extension Tube #2
MA2876 ..... **$249.95**

Prices are subject to change without notice.



Mamiya RZ67

Major improvements of the RZ67 over the RB67 include: Lighter and smaller design, single stroke shutter cock and film advance, electronic coupling of lenses and accessories, and new high resolution lenses.

Mamiya RZ67 Body with focusing hood, matte screen **MA0280** **$789.95**

Mamiya RZ67 Lenses

37mm f4.5Z Fisheye w/case (40.5Ø)
MA1710 ..... **$1329.95**

50mm f4.5Z lens w/hood (77Ø)
MA1720 ..... **$969.95**

65mm f4.0Z lens w/hood (77Ø)
MA1730 ..... **$899.95**

75mm f4.5 Z Shift-Shutter (105Ø)
MA1735 ..... **$1649.95**

90mm f3.5Z lens w/hood (77Ø)
MA1737 ..... **$679.95**

110mm f2.8Z lens w/hood (77Ø)
MA1740 ..... **$749.95**

127mm f3.8Z lens w/hood (77Ø)
MA1743 ..... **$659.95**

140mm f4.5Z Macro lens w/hood (77Ø)
MA1746 ..... **$829.95**

180mm f4.5Z lens w/hood (77Ø)
MA1750 ..... **$749.95**

250mm f4.5Z lens w/hood (77Ø)
MA1760 ..... **$899.95**

360mm f6.0Z lens w/hood (77Ø)
MA1765 ..... **$1199.95**

500mm f8.0Z lens w/hood & holder (105Ø) **MA1770** **$2299.95**

RZ67 Film Holders and Adapters

120 Roll Film Holder RZ **MA2500** **$259.95**
220 Roll Film Holder RZ **MA2505** **$249.95**
6 x 4.5 Roll Film Holder RZ
MA2507 ..... **$249.95**
6 x 6 Roll Film Holder RZ
MA2508 ..... **$249.95**
Polaroid Pack Film Holder RZ (model 3)
MA2522 ..... **$249.95**
G-Adapter (for RB backs on RZ)
MA2510 ..... **$69.95**

Mamiya RZ Accessories

Winder RZ (Requires 6-AA batteries.)
MA2530 ..... **$259.95**
Transmitter RZ **MA2526** **$109.95**
Receiver RZ **MA2527** **$104.95**

RZ Extension Tubes

Auto Extension Tube #1 **MA2880** ... **$224.95**
Auto Extension Tube #2 **MA2882** ... **$249.95**

Mamiya RZ/RB 67 Accessories

Cds Magnifying Hood
Finder w/case **MA2322** **$349.95**
Prism Finder w/case **MA2318** **$419.95**
Cds Prism Finder w/case **MA2319** ... **$679.95**
Bellows Lens Hood G-2 for RB and RZ lenses.
MA2561 ..... **$119.95**
Mirror-Up Cable Release **MA2940** **$49.95**
AE Prism Finder RZ – Auto Exposure prism.
MA2405 ..... **$699.95**
PD Prism Finder RZ – Electronically coupled meter prism with LED indicator and fast SPD sensor. **MA2400** **$629.95**
RZ Focusing Screen - Checker A4
MA2362 ..... **$43.95**



Mamiya Twin-Lens System

Mamiya is the only twin-lens camera system on the market today that offers the photographer a complete system of interchangeable lenses plus a full range of accessories to handle almost every photographic assignment. Modestly priced, this system has earned a reputation for dependability.

Mamiya C220f body with waist level finder and screen. **MA0241** **$309.95**
Mamiya C330S body with waist level finder and screen. **MA0246** **$419.95**

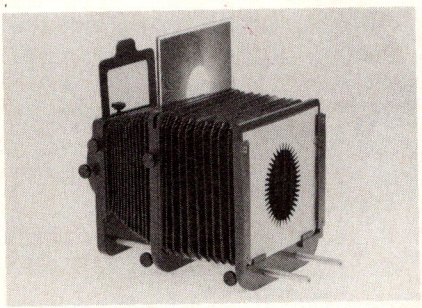
C220F and C330S Lenses

55mm f4.5 (46Ø) **MA1510** **$429.95**
65mm f3.5 (49Ø) **MA1520** **$329.95**
80mm f2.8 (46Ø) **MA1530** **$229.95**
105mm f3.5 (46Ø) **MA1540** **$319.95**
135mm f4.5 (46Ø) **MA1550** **$279.95**
180mm f4.5 (49Ø) **MA1560** **$379.95**
250mm f6.3 (49Ø) **MA1570** **$489.95**

C220F/C330S Accessories

Grip Holders for C220F
MA2017 ..... **$32.95**
Grip Holders for C330S/RB
MA2020 ..... **$64.95**
Multiangle grip holder for C330S/RB
MA2023 ..... **$179.95**
TLR Prism Finder w/case
MA2327 ..... **$229.95**

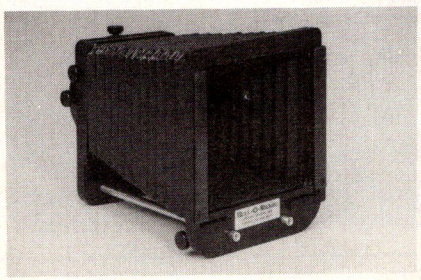
COMPETITIVE PRICES



Lindahl Professional Vignetter

This unique double vignetter allows total control by utilizing independent adjustments of both the front and center masks. The front and center standards accept 4½" vignettes. The rear standard accepts 3 x 3 filters up to ¼" thick. Collapses down to 3", cover to any normal or longer focal length lens, regardless of format. Includes the double vignetter body, two-2" and four-4" extension rods.

Double Vignetter Body *(requires adapter)*
LD 1000 ..... **$129.95**
Double Vignetter Body for Hasselblad CF
(no adapter required) **LD 1005** **$149.95**



Lindahl Bell-O-Shade

This compendium lens shade, filter holder and adustable vignetter is constructed of durable injection-molded ABS plastic. Reduces flair and maintains contrast and color saturation in any photographic situation. It's rear standard accomodates 3 x 3x¼" filters, while the front standard utilizes 4½" square vignetters.

Lindahl Bell-O-Shade
LD 2000 ..... **$64.95**
Lindahl Bell-O-Shade for Hasselblad CF
(no adapter required)
LD 2005 ..... **$79.95**

Lindahl Adapters

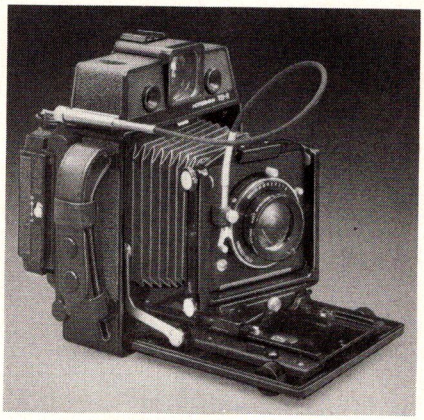
49mm Adapter **LD0149** **$11.50**
52mm Adapter **LD0152** **$11.50**
55mm Adapter **LD0155** **$11.50**
58mm Adapter **LD0158** **$11.50**
62mm Adapter **LD0162** **$11.50**
67mm Adapter **LD0167** **$11.50**
72mm Adapter **LD0172** **$16.95**
77mm Adapter **LD0177** **$16.95**

4½" Vignetter Accessory Kits

Set of 4-Hi-Key Vignettes
White **LD 1100** **$13.95**
Set of 4-Black Opaque Vignettes
Black **LD 1200** **$13.95**
Basic Montaging Mask Set (10)
LD 2100 ..... **$19.95**
Advanced Mask Set-Pkg. of 20 die-cut masks and 4 blank masks for advanced techniques and smaller apertures. **LD 2200** **$34.95**

MEDIUM FORMAT
Horseman VH-R

Medium format with true perspective correction with EVERY lens!



Horseman VH-R

This medium format camera combines view camera image control with hand-held convenience to give you a most versatile 6 x 7cm and 6 x 9cm camera system.

Features

- Generous tilt, swing, shift, rise and fall movements built into body
- Bright-line revolving viewfinder and cam-coupled dichroic rangefinder
- Ground glass back provides depth-of-field and image control verification
- Close-up capabilities of better than 2:1
- Wide range of dedicated lenses, backs and accessories

Specifications

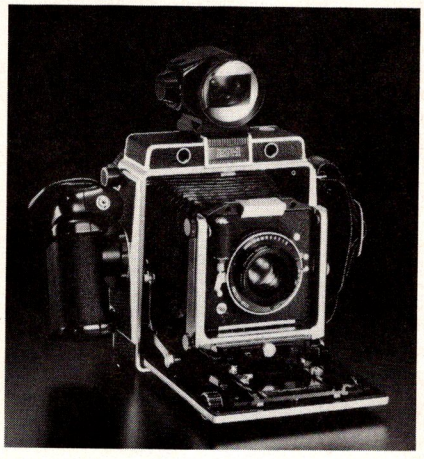
- Bellows extension: 10.7" (272mm)
- Tilt: Front: + 10°, −15°; Back: ±11°
- Swing: Front: ±15°; Back: ± 10°
- Lateral Shift: 30mm
- Rise/Fall: 28mm (15mm w/wide angle lens)
- Weight: 4.4 lbs.
- Dimensions: 7.55"(H) x 6.29"(W) x 3.81"(D*)

** w/camera bed closed*

Horseman VH-R Body

(Lens, cable release and roll film holder not included.)

HR9000 ..... **$1295.00**



Horseman ER-1

This electro-remote technical camera features a monitoring system interface for sophisticated user convenience. The ER-1 provides full protection against missed shots by preventing double exposures and warning the user to pull out the dark slide.

Features

- Electronic grip monitors camera's lens and film holder operating status
- Built-in rangefinder and optional zoom viewfinder provide convenient hand-held operation
- Distortion and depth-of-field image control movements are ideal for architectural and table-top work
- Compact and lightweight portability

Specifications

- Bellows extension: 10.7" (272mm)
- Tilt: Front: + 10°, − 15°; Back: ± 11°
- Swing: Front: ± 15°; Back: ± 10°
- Lateral Shift: 30mm
- Rise/Fall: 28mm
- Weight: 4.4 lbs.
- Dimensions: 5.75"(H) x 6"(W) x 3.75" (D*)

* w/camera bed closed.

Horseman ER-1 Body w/ER grip

(Lens and roll film holder not included.)

HR9500 ..... **$1995.00**

For complete information, call or write for the Horseman ER-1 or VHR brochures.

ER-1/VHR Accessories

Horseman ER Lenses*

65mm f7 ER Lens (40.5Ø)
HR9515 ..... **$499.95**

75mm f5.6 ER Lens (40.5Ø)
HR9520 ..... **$399.95**

90mm f5.6 ER Lens (40.5Ø)
HR9525 ..... **$479.95**

105mm f5.6 ER Lens (43Ø)
HR9530 ..... **$469.95**

120mm f5.6 ER Lens (40.5Ø)
HR9535 ..... **$469.95**

150mm f5.6 ER Lens (40.5Ø)
HR9540 ..... **$469.95**

180mm f5.6 ER Lens (52Ø)
HR9545 ..... **$469.95**

Blank Std. flat lensboard
HR9190 ..... **$34.95**

Lensboard for Copal 1 Shutters
HR9195 ..... **$49.95**

Recessed lensboard **HR9192** **$49.95**

Cable Release **HR9201** **$16.95**

**A focusing cam is furnished with each lens. Lenses come mounted in a lensboard. Extra cams for any lens are $34.95 ea.*

Horseman Carrying Cases

Carry case, compartmented, black leather-like finish **HR9385** **$139.95**

Horseman heavy duty deluxe alum. carrying case w/velvet lining
HR9387 ..... **$169.95**

Horseman Lens Hoods

Fits 90mm-150mm ER lenses w/40.5mm Ø threading
HR9216 ..... **$12.95**

Fits 65mm and 75mm ER lenses
HR9212 ..... **$12.95**

Horseman VH-R 4" x 5" Adapter and Accessories

4" x 5" format, ground glass back with focusing bellows, fits 6 x 9cm Graflock
HR9350 ..... **$269.95**

Horseman Polaroid Pack Film Holder

Uses Polaroid 8 exposure film packs. Includes spacer for rangefinder cam. Requires HR 9362.
HR9360 ..... **$179.95**

Focusing Glass for Polaroid Back

Provides ground glass for focusing in same plane as Polaroid film holder.
HR9362 ..... **$39.95**

Horseman Optical Exposure Computer Through-The-Lens Exposure Meter

Fits like 2¼" x 3¼" sheet film holder
HR9380 ..... **$339.95**

Soft leather case for exposure meter
HR9381 ..... **$19.95**

4" x 5" adapter for exposure meter
HR9382 ..... **$44.95**

"B" Battery PX-640 **DU6400** **$2.50**

"A" Battery TR-114R **DU6195** **$7.00**

Optical angle viewer
HR9355 ..... **$149.95**

Dedicated ER-1 Accessories

Horseman Zoom Finder

Provides automatic parallax correction on the ER-1. Viewfinder has frames for 6 x 7 and 6 x 9cm formats with a revolving mask for vertical and horizontal formats. Zoom range includes 65 thru 300mm. **HR9510** **$469.95**

Horseman ER 6 x 7cm 120 Roll Film Holder
HR9567 ..... **$249.95**

Horseman ER 6 x 9cm 120 Roll Film Holder
HR9569 ..... **$249.95**

Dedicated VH-R Accessories

Horseman Roll Film Holders

6 x 9cm, 2¼" x 3¼", 8 exposures on 120 roll **HR9310** **$229.95**

6 x 7cm, 2¼" x 2¾", 10 exposures on 120 roll **HR9320** **$229.95**

6 x 9cm, 2¼" x 3¼", 16 exposures on 220 roll **HR9330** **$229.95**

6 x 7cm, 2¼" x 2¾", 20 exposures on 220 roll **HR9340** **$229.95**

Rotary Back

Horseman Rotary Back Type 1 for use with Model 980, 985 and VH Camera. Ground glass back or film holder not included
HR9370 ..... **$289.95**

Horseman Flash Brackets

38mm flash clamps (sets of 2)
HR9396 ..... **$29.95**

45mm flash clamps (sets of 2)
HR9397 ..... **$29.95**

Nikon USA is currently experiencing substantial delivery problems. Be assured that Calumet is doing everything possible to service our customer needs. Call to check current availability and pricing.

Nikon Bodys

Nikon F3HP Body
NK0340 ..... **$689.95**
FM2 Chrome Body
NK0540 ..... **$299.95**
FM2 Black Body
NK0541 ..... **$309.95**

Motor Drive Accessories

MD-4 Motor Drive
NK2070 ..... **$309.95**
MN-2 Nicad Battery Unit
NK2074 ..... **$109.95**
MH-2 Quick charger for MN-2
NK2075 ..... **$134.95**
MC-11 External Power Cord
NK2078 ..... **$34.95**
MF-6 Camera back (auto rewind stop)
NK2076 ..... **$79.95**
MC-12A Remote cord for MD-4 and MD-12
NK2073 ..... **$39.95**
ML-1 Modulite Remote Control Outfit
NK2087 ..... **$249.95**
Pistol Grip Model II
NK2097 ..... **$39.95**
MF-4 250 Exposure back (req. 2 cassettes)
NK2091 ..... **$719.95**
250 Exposure Cassette
NK2092 ..... **$39.95**
MD-15 Motor Drive for FA
NK2068 ..... **$219.95**
MD-12 Motor Drive for FM, FM2, FE, FE2
NK2050 ..... **$249.95**

F-3 Dedicated Viewfinder Accessories

DA-2 Action Finder **NK4114** **$319.95**
DW-3 Waist-Level Finder
NK4110 ..... **$79.95**
DW-4 6X High Magnification Finder
NK4112 ..... **$199.95**
DG-2 2X Eyepiece Magnifier
NK2314 ..... **$41.95**
DR-3 Right Angle Finder
NK2316 ..... **$104.95**
DK-1 Eyepiece Adapter for DR-3/HP
NK2317 ..... **$3.25**
Eyecup for F3 High Eyepoint/F3T
NK2308 ..... **$5.50**

Nikon 52mm Filters

L-37C UV Haze **NK3160** **$17.95**
L-1BC Skylight **NK3165** **$24.95**
Y-48 Med. Yellow **NK3115** **$18.95**
R-60 Red **NK3150** **$18.95**
A-2 81A **NK3220** **$18.95**
Polarizer **NK3280** **$59.95**
Soft Focus #1 **NK3282** **$49.95**
Soft Focus #2 **NK3283** **$49.95**

Beattie Intenscreens

Increases the relative brightness of the viewfinder image by 2-4 f/stops.
Beattie Intenscreen for F-3
BT0250 ..... **$89.00**
Beattie Intenscreen for Nikon F,F2
BT0245 ..... **$89.00**
Beattie Intenscreen for Nikon FE, FE2, FM2, and FA **BT0255** **$54.00**

Prices are subject to change without notice.

Nikon Lenses

15mm f3.5 **NK1018** **$1300.00**
16mm f2.8 Fisheye **NK1014** **$529.95**
18mm f3.5 (720) **NK1020** **$729.95**
20mm f2.8 (620) **NK1032** **$369.95**
24mm f2.8 (520) **NK1045** **$279.95**
24mm f2 (520) **NK1040** **$449.95**
28mm f2 (520) **NK1050** **$419.95**
28mm f2.8 (520) **NK1053** **$269.95**
28mm f3.5 PC (720) **NK1059** **$669.95**
35mm f2.8 PC (520) **NK1078** **$469.95**
35mm f2 (520) **NK1073** **$244.95**
35mm f1.4 (520) **NK1070** **$499.95**
50mm f1.4 (520) **NK1125** **$219.95**
50mm f1.2 (520) **NK1130** **$324.95**
55mm f2.8 Micro (520)
NK1138 ..... **$239.95**
PK13 Ext. Tube **NK2805** **$49.95**
85mm f1.4 (720) **NK1215** **$559.95**
85mm f2 (520) **NK1210** **$254.95**
105mm f1.8 (620) **NK1217** **$479.95**
105mm f2.5 (520) **NK1220** **$249.95**
105mm f2.8 Micro (520)
NK1230 ..... **$424.95**
PN-11 Ext. Tube **NK2807** **$104.95**
135mm f2 (720) **NK1233** **$619.95**
135mm f2.8 (520) **NK1235** **$249.95**
180mm f2.8 ED (720)
NK1255 ..... **$619.95**
200mm f4 (520) **NK1260** **$279.95**
200mm f4 Micro IF (520)
NK1262 ..... **$559.95**
300mm f2.8 ED IF (1220)
NK1452 ..... **$2695.00**
300mm f4.5 ED IF (720)
NK1454 ..... **$819.95**
400mm f3.5 ED-IF (1220)
NK1456 ..... **$2919.00**
400mm f5.6 ED-IF (720)
NK1458 ..... **$1449.00**
500mm f8 Reflex-N (390)
NK1341 ..... **$499.95**
35-105mm f3.5-4.5 (520)
NK1413 ..... **$319.95**
80-200mm f4 (620) **NK1440** **$599.95**
50-300mm f4.5 ED (950)
NK1435 ..... **$1929.95**
TC-201 2X for AI lenses up to 200mm
NK2831 ..... **$194.95**
TC-301 2X for AI lenses 300mm
NK2834 ..... **$399.95**
TC14B 1.4 Teleconverter AI
NK2836 ..... **$399.95**

Nikon Lens Hoods

HN-1 for 24mm f2.8 and 35mm f2.8 PC (Screw-in) **NK2501** **$13.95**
HN-2 for 28mm f2.8 and 28mm f3.5 (Screw-in) **NK2502** **$13.95**
HN-3 for all 35mm, (except PC) and 55mm f2.8 micro (Screw-in) **NK2503** **$13.95**
HS-11 for 50mm f1.8 (Snap-on)
NK2531 ..... **$17.95**
HS-9 for 50mm f1.4 (Snap-on)
NK2529 ..... **$17.95**
HN12 for Nikon 52mm Polarizer
NK2512 ..... **$21.95**

Nikon Close-Up Universal Accessories

PB-6 Bellows Unit **NK2705** **$219.95**
PS-6 Slide Copier **NK2707** **$129.95**
PK-13 AI 27.5mm Auto Ext. Tube
NK2805 ..... **$49.95**
PN-11 AI 52.5mm Auto Ext. Tube
NK2807 ..... **$104.95**
BR-2 Lens Reversing Ring
NK2725 ..... **$19.95**
BR-4 Auto Diaphragm Ring
NK2731 ..... **$44.95**
Screen B for F3 **NK2396** **$31.95**
Screen E for F3 **NK2399** **$31.95**

Nikon Flash

Speedlight SB-16A for F3. GN: 105 (ASA 100) **NK4165** **$209.95**
Speedlight SB-16B for FM2/FE2. GN: 105 (ASA 100) **NK4166** **$199.95**
Speedlight SB-15 for FM2/FE2
NK4183 ..... **$99.95**
SC-12 TTL Sensor **NK4186** **$109.95**
SC-14 TTL Sensor Cord for SB-16A
NK4189 ..... **$49.95**

Proback II Polaroid Film Back

Proback II for Nikon F3
NP1000 ..... **$599.95**
Proback II for Nikon F2
NP1010 ..... **$599.95**

NEW Nikon Autofocus System

Nikon 2020 Autofocus
NK0500 ..... **$349.95**

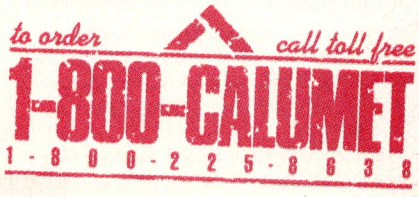
2020 Autofocus Lenses

24mm f2.8 **NK1477** **$249.95**
28mm f2.8 **NK1480** **$169.95**
50mm f1.4 **NK1501** **$189.95**
50mm f1.8 (520) **NK1502** **$69.95**
55mm f2.8 Micro **NK1506** **$289.95**
180mm f2.8 ED AI **NK1512** **$519.95**
28-85mm f3.5-4.5 **NK1515** **$289.95**
35-105mm f3.5-4.5 **NK1522** **$319.95**
35-135mm f3.5-4.5 **NK1524** **$369.95**
35-70mm f3.3-4.5 (520) **NK1520** **$142.95**
70-210mm f4 (620) **NK1525** **$214.95**
TC-16A Converter **NK1550** **$144.95**

Autofocus Accessories

SB-20 Speedlight **NK1540** **$149.95**
E Screen **NK1594** **$14.95**
J Screen **NK1599** **$14.95**
B Screen **NK1591** **$14.95**

Calumet has a large inventory of Nikon professional accessories. Please call for prices and delivery information for items not listed. All NIKON 35mm purchases qualify for any promotional offers.



SPECIALTIES
Minolta Maxxum Passport Cameras



Minolta Maxxum 9000

Features continuous autofocus for 14 new lenses, dual metering system, automatic multi-program selection, 1/4000th second speed with 5 f.p.s. motor drive capability and professional two-year body/five-year lens USA limited warranty.

Minolta Maxxum 9000 body (requires 2-AA batteries, not included)
MN9000 ..... **$429.95**

OPTIONAL 3-Year Extended Warranty extends the warranty period to five years.
MN9900 ..... **$19.95**

Maxxum 9000 Accessories

MD-90 Motor Drive (requires battery pack)
MN9100 ..... **$219.95**

MD-90 AA battery pack w/holder. 4 f.p.s. (requires 8-AA batteries, not included)
MN9105 ..... **$84.95**

MD-90 Nicad battery pack w/charger. 5 f.p.s.
MN9110 ..... **$149.95**

MD-90 Nicad battery pack **MN9115** **$109.95**

AW-90 Auto Winder **MN9150** **$144.95**



Minolta Maxxum 7000

The world's first SLR system with built-in autofocus also features Automatic Multi-Program Selection (AMPS), automatic touch control panel for ease of operation, built-in motorized film control system and Minolta USA 2-year Limited Warranty. (requires 4-AAA batteries, not included)
MN9300 ..... **$329.95**

Minolta Maxxum 7000 Accessories

Program Back 70 **MN9350** **$144.95**
Program Back Super 70 **MN9351** **$299.95**
Data Back 70 **MN9352** **$47.95**
Case CH-72 **MN9303** **$31.95**
Extended Warranty **MN9902** **$19.95**

Minolta Maxxum Lenses

16mm f2.8 Fisheye **MN9001** **$569.95**
20mm f2.8 (720) **MN9003** **$409.95**
24mm f2.8 (550) **MN9005** **$239.95**
28mm f2 (550) **MN9004** **$369.95**
35mm f/1.4 **MN9012** **$669.95**
35mm f/2.0 **MN9013** **$219.95**
50mm f1.4 (490) **MN9015** **$129.95**
50mm f1.7 (490) **MN9020** **$57.95**
50mm f2.8 Macro (550) **MN9050** **$279.95**
85mm f/1.4 **MN9022** **$479.95**
100mm f/2.0 **MN9024** **$329.95**
100mm f2.8 Macro (550) **MN9023** **$459.95**
135mm f2.8 (550) **MN9025** **$109.95**
200mm f2.8 APO (720) **MN9027** **$669.95**
300mm f2.8 APO **MN9030** **$2595.00**

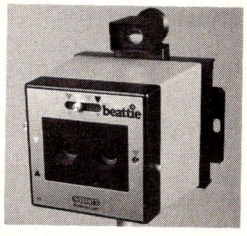
Zoom Lenses

24-50mm f/4.0 **MN9053** **$269.95**
28-85mm f3.5-4.5 (550) **MN9055** **$239.95**
28-135mm f4-4.5 **MN9060** **$429.95**
35-70mm f4 (490) **MN9065** **$139.95**
35-105mm f3.5-4.5 (550) **MN9070** **$319.95**
70-210mm f4 LS (550) **MN9075** **$209.95**
75-300mm f4.5-5.6 (550) **MN9080** **$409.95**
80-200mm f/2.8 **MN9083** **$899.95**
100-200mm f4.5 **MN9085** **$139.95**

Maxxum Flash (require 4-AA batteries, not included)

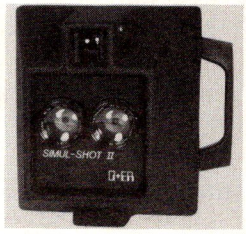
2800 AF flash **MN9220** **$99.95**
4000 AF flash (must be used to maintain autofocus in low light) **MN9200** **$189.95**
1200 Macro AF flash **MN9205** **$279.95**
Control grip CG1000 Set **MN9210** **$189.95**
AA batteries 4 pack **VB4206** **$2.95**

to order call toll free
1-800-CALUMET
1-800-225-8638



Beattie Lupa Instant 2 I.D. Camera

Instant I.D. camera produces two identical I.D. prints on Polaroid Type 669 Film. Pre-focused lenses provide a shooting distance between 39"-47" Polaroid film back is supplied with the camera. **BT1006** **$429.00**



Simul-Shot II

Produces two identical portrait passport photographs on Polaroid 665/668 pack film. Simul-Shot II features easy operation, built-in Polaroid film back, fixed focus at 48".
OE1100 ..... **$429.95**

PF-50 Heavy Duty Electronic Flash for Simul-Shot II. **OE1102** **$129.95**

Cambo Model 45 Varifocus I.D. Camera

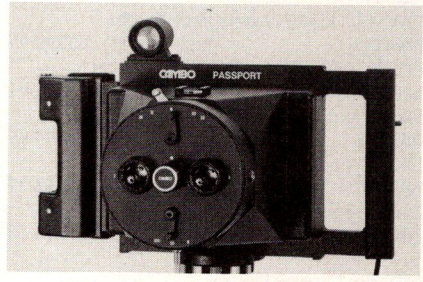
Features focusing capabilities from 1.25 to 4 meters, which allows you to adapt the image proportions of your subject to your needs. Choose between ground glass focusing or parallax-corrected rangefinder/viewfinder. Four matched lenses produce four portraits, each measuring 44 x 56mm. Camera has an International back and accepts Polaroid 545 film holder (not included).
CB0605 ..... **$899.95**

Cambo Model 40 I.D. Camera

Features a choice of four identical or four different pictures, or two different sets of two identical pictures. Its four matched lenses each produce a photo which measures 36 x 46mm. Supplied with an optical bright-frame viewfinder and removable pack film holder for Polaroid Series 600 or 100 film.
CB0602 ..... **$529.95**

Cambo Model 20 I.D. Camera

Features two lenses with focal length of 124mm, with a fixed focus at 1.25 meters (4 ft. 1¼ in.). Each portrait measures 46 x 72mm. The Model 20 accepts the Polaroid 405 pack film holder and uses Polaroid 600 and 100 Series film. Camera comes complete with optical viewfinder and pack film holder. **CB0601** **$549.95**



Cambo Model 25 I.D. Camera

Features two lenses with focal length of 125mm. Accepts Polaroid 545 Film Holder and uses Polaroid 50 series film. Also accepts 4" x 5" International back film holders. Each portrait measures 56 x 88mm with Polaroid film. Requires Polaroid film holder.
CB0603 ..... **$549.95**

need it YESTERDAY?
Special 24-hour delivery available. Call for details.



Widelux F7

This unique 35mm camera offers greater coverage than a 17mm lens and less distortion than a 180° semi-fisheye for those special wide angle applications. Distortion free, ultra wide 140° panoramic Widelux F7, with it's 26mm f2.8 lens and revolving lens shutter, produces a 24mm x 59mm image on 35mm film. Other features include a precision viewfinder and spirit level, shutter speeds of 1/15, 1/125, and 1/250, and frame counter.

Widelux F7 with case.
WX1000 ..... **$749.00**

Widelux Filter Kit includes 6 filters, K2, G, ND, 81A, Sky, 82C, and case.
WX1005 ..... **$89.95**

Widelux Slide Mounts pkg. of 120 pressure sealing paper mounts. For use in any 6 x 6cm. projector. **WX1010** **$54.95**



Makina 670

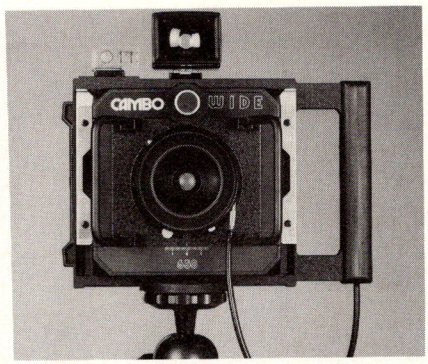
Improved compact 6 x 7 cm format camera with Nikkor 80mm f2.8 lens features 120 and 220 capabilities, hot shoe, 2-stroke film advance, new viewfinder with improved parallex correction, built-in exposure meter, new locking features which prevent accidental exposures and back opening, and new, positive grip body styling.
MK1300 ..... **$1049.95**

Makina W67 Camera w/55mm Nikkor f4.5
MK1100 ..... **$1049.95**

Makina 670 Accessories

Soft Case	**MK1010**	**$79.95**
Gadget Bag	**MK1016**	**$79.95**
Neck Strap	**MK1020**	**$18.95**
Lens Hood for 670	**MK1030**	**$28.95**
Lens Hood for W67	**MK1130**	**$28.95**

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.



The Cambo Wide Cameras

Each camera is equipped with precision Schneider wide angle lenses, International back for 4 x 5 or roll film holders, fresnel lens, removable spirit level and cable release. Wides will accept Cambo viewing hoods and optical view finder.

Cambo Wide 470 w/47mm Super Angulon f5.6 lens
CB0800 ..... **$1399.95**

Cambo Wide 650 w/65mm Super Angulon f5.6 lens
CB0801 ..... **$1649.95**

Cambo Wide 1000 w/ 100mm Symmar S f5.6 lens
CB0802 ..... **$1349.95**



Polaroid 600 SE Camera

For the professional photographer who wants professional results. The 600 SE combines the versatility of manual exposure settings and interchangeable lenses to produce high quality instant photographs without a darkroom. Each lens is equipped with a Seiko, between-the-lines shutter, with ten speeds, ranging from 1 second to 1/500 second and "B". The shutter is X-synchronized for electronic flash. The 600 SE produces a 3¼" x 4¼" image and takes 600 or 100 series film. Requires lens.
PO4100 ..... **$279.95**

Lenses for 600 SE

75mm Wide Angle	**PO4120**	**$439.95**
127mm Standard	**PO4140**	**$249.95**
150mm Telephoto	**PO4130**	**$299.95**

600 SE Film Back for all 100 or 600 Series pack film.
PO4110 ..... **$79.95**



Polaroid Miniportrait 202 Instant Camera

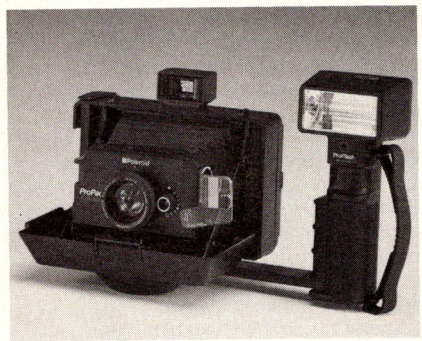
This two-lens model is designed for quick, basic and economical passport, identification and license photography. The Miniportrait camera can easily put you into a profitable side business! Uses Polacolor 669, 3¼" x 4¼" film or Type 665 black and white positive/negative film. Features rugged die-cast aluminum construction, adjustable aperture and shutter settings, three-element fixed focus glass lenses and a full three-year warranty. Includes #73 film pack holder.
PO8000 ..... **$699.95**

Miniportrait 202 Accessories

#242 2" x 2" Die Cutter
PO8030 ..... **$199.95**

#78 Reduction Lens Set (4)
PO8020 ..... **$64.95**

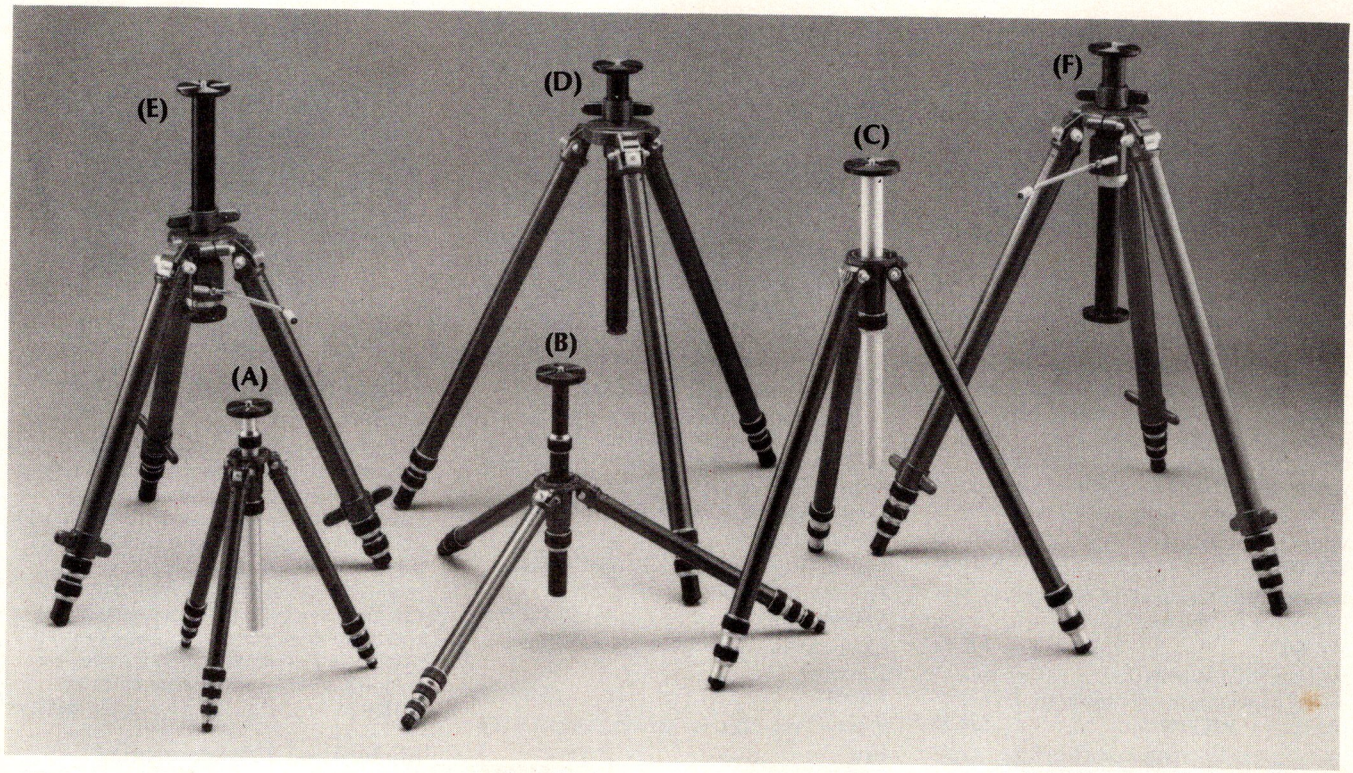
#73 Miniportrait Film Pack Holder
PO8025 ..... **$79.95**



Polaroid Pro Pack

Perfect for the novice photographer. Instantly produces black and white or color pictures for documentation or presentation. Its easy to use off-camera electronic flash features a powerful 50-75 ft. distance range. The Pro Pack also features an extended range shutter and a three-element lens. Uses both 3¼" x 4¼" (600 and 100 Series) and 3⅜" x 3⅜" (80 Series) film. Kit includes Pro Pack camera with built-in timer, adjustable neckstrap and detachable strobe.
PO4000 ..... **$119.95**

Calumet stocks a wide selection of Polaroid film, all at competitive prices. See page 163 for details.



Gitzo Tripod System

Gitzo is the most complete tripod and accessory system available on the market today. And, for this reason, it has become a product line synonomous with professional – and quality – photography. No matter what your needs, camera or working conditions are, there is a Gitzo tripod, monopod, head and accessory combination for you.

But Gitzo offers more than choice; it offers performance as well. All Gitzo equipment is designed and engineered to the most demanding European precision standards, with stress-proof, hardtempered light metals. Strong tubular legs are anodized to resist rust and corrosion, and slide in and out with smooth efficiency. Water and temperature-proof locking sleeves and soft cushioned locking rings provide easy, rapid and foolproof handling without binding or slipping.

Each tripod passes the most severe quality controls. The net result is a solid and virtually indestructable product built to withstand the most rugged use. Care is also given to "user friendly" repairs and servicing. All parts are easily detached for cleaning or replacement.

Gitzo tripods and accessories are not cheap. But this refers to quality as well as price. The old adage, "You get what you pay for," is particularly appropriate to tripods. A Gitzo tripod is a guaranteed good solid investment.

to order call toll free
1-800-CALUMET
1-800-225-8638

Gitzo Glossary

Gitzo has developed its own vocabulary to describe their products. In order to understand this terminology, and the Gitzo System better, we have developed the following glossary of terms.

Basic Tripod Sizes

Based upon outside leg diameter, which determines tripod weight capacity and height.

Total *(A)* - 7/8" outside leg diameter
Reporter *(B)* - 1" outside leg diameter
Studex *(C)* - 1¼" outside leg diameter
Pro Studex *(D)* - 1⅜" outside leg diameter
Tele Studex *(E,F)* - 1½" outside leg diameter

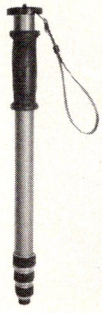
Additional Leg Descriptions

Compact – A shorter outside leg section designed for portability in the field. *See E above.*
Giant – Normal leg section on Pro and Tele models. *See D and F above.*
Luxe – Extra leg section. *See A and F above.*
Performance – Independent leg spreading capability for extreme low positions. *See B above.*

Center Post Descriptions

Rapid – The center column is manually controlled(push/pull) *See D above.*
Cremaillere – Geared center column *See E and F above.*

See facing page for Gitzo tripods available thru Calumet, specifications and recommended tripod/head combinations.



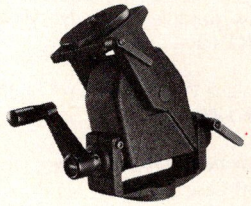
Gitzo Monopods

563 Mono Reporter
4 sections, Range: 19" to 62", Weight 1½ lbs. Head not included. For 35mm and 2¼ x 2¼ cameras.
GZ1563 ..... **$79.95**

564 Mono Studex
4 Sections, Range: 19"-62," Weight: 1¾ lbs. Head not included. For 35mm, 2¼ x 2¼ and 6 x 7 cm cameras.
GZ1564 ..... **$94.95**

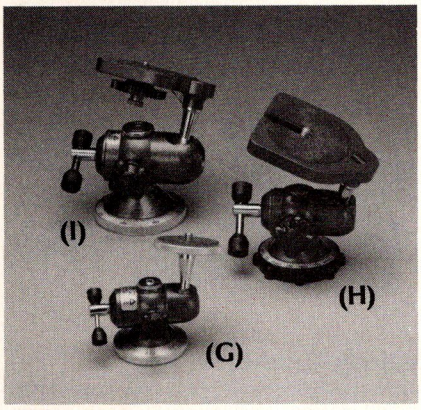
Stroboframe Vertaflip
Instantly switches camera between horizontal and vertical without moving lens.
Vertaflip C (for 35mm) **SO7020** **$26.95**
Vertaflip P (for medium format)
SO7022 ..... **$39.95**

Cambo 3-D Gearhead



The Cambo 3-D Gearhead will support any camera up to 55 pounds and provides precision smooth movements when mounted to any studio stand or tripod. Features 180° geared tilt movements, 180° side-tilt and 360° pan rotation capabilities. Its rugged, all-metal construction will withstand years of heavy, daily studio use. Universal 3/8" screw mount base mounts to most studio stands and professional tripods, including Gitzo. Weight: 5 pounds.
CB2725 ..... **$199.95**

Tripod Leg Set	Extended Height	Folded Length	Number of Leg Sections	Outside Leg Dia.	Weight	Recommended Format	Recommended Heads	Cat. No.	Price
126 Total Luxe Performance (A)	52⅞″	15″	4	⅞″	3 lbs.	35mm	175/272	GZ1126	**$159.95**
226 Reporter Performance (B)	63″	17¾″	4	1″	4½ lbs.	35mm/2¼	275/272	GZ1226	**$189.95**
301 Studex (C)	70″	25¾″	3	1¼″	5¾ lbs.	35mm/2¼	272/375	GZ1301	**$189.95**
312 Studex Cremaillere Performance	75″	27″	3	1¼″	7 lbs.	35mm/2¼/ Lt. 4x5	372/375	GZ1312	**$279.95**
323 Studex Compact Performance	68″	21⅜″	3	1¼″	6¼ lbs.	35mm to Lt. 4x5	372/375	GZ1323	**$239.95**
320 Studex Performance	90″	27″	3	1¼″	6¾ lbs.	35mm to Lt. 4x5	372/375	GZ1320	**$239.95**
410R Pro Studex Giant Rapid (D)	78″	31½″	3	1¼″	9 lbs.	up to 4x5	372/472	GZ1411	**$329.95**
410C Pro Studex Giant/Cremaillere	80″	32″	3	1⅜″	11 lbs.	up to 4x5	372/472	GZ1412	**$489.95**
505R Tele Studex Compact/Rapid	72″	24″	4	1½″	9½ lbs.	4x5/8x10	472/570	GZ1506	**$384.95**
505C Tele Studex Compact/ Cremaillere (E)	70″	25⅜″	4	1½″	11½ lbs.	4x5/8x10	472/570	GZ1507	**$549.95**
504R Tele Studex Giant Luxe/Rapid	120″	32″	5	1½″	13 lbs.	4x5/8x10	472/570	GZ1509	**$499.95**
504C Tele Studex Giant Luxe/ Cremaillere (F)	111″	33⅜″	5	1½″	15 lbs.	4x5/8x10	472/570	GZ1510	**$659.95**



Gitzo Ball Heads

175 Ball I (G)
Platform 2,″ Height 2¾,″ Weight 7 oz., for 35mm up to 2¼ x 2¼ cameras.
GZ3175 ..... **$71.95**

275 Ball 2 (H)
Platform 3″ x 2¾,″ Height 3¾″ Weight 1 lb., for 35mm up to light 4 x 5 field cameras.
GZ3275 ..... **$94.95**

375 Ball 3 (I)
Platform 3″ x 2¾,″ Height 4½,″ Weight 1¼ lbs., for heavy 2¼, 6 x 7 cm, and light 4 x 5 cameras.
GZ3375 ..... **$119.95**

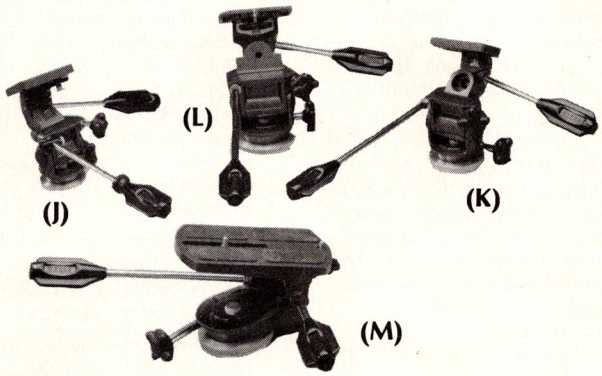


Gitzo Cine/Video Tripod Heads

Gitzo 380 Fluid Head 3 with Level
Features 100% fluid tilt and 100% fluid panning, with movements of more than 90° front tilt, 60° rear tilt and 360° panning. A 3″ x ¾″ platform will support cameras up to 15 lbs.
GZ3380 ..... **$559.95**

Gitzo 180 Fluid Action Head 1
This lightweight head weighs only 1½ lbs., yet will support cameras up to 10 lbs. Provides the same fluid movement as the #380.
GZ3180 ..... **$174.95**

Gitzo 252 Video S2 Head
This spring balanced video head offers more than 90° front tilt, 60° rear tilt and 360° panning. The #252 supports up to 10 lbs.
GZ3252 ..... **$134.95**



Gitzo Pan and Tilt Heads

272 Rational 2B (J)
Platform 3⅛″ x 2⅛,″ Height 5½,″ Weight 2 lbs., for 35mm and 2¼ x 2¼ cameras.
GZ2272 ..... **$109.95**

372 Rational 3B (K)
Platform 3⅛″ x 2⅛,″ Height 6½,″ Weight 2½ lbs., for 2¼ x 2¼ up to 4 x 5″ field cameras.
GZ2372 ..... **$129.95**

472 Rational 4B (L)
Platform 3¾″ x 3,″ Height 7½,″ Weight 3¾ lbs., for 4 x 5 and 5 x 7 cameras.
GZ2472 ..... **$144.95**

570 Rational 5 (M)
Platform 6¾,″ x 4,″ Height 3½″ Weight 3½ lbs., for heavy 4 x 5 up to 8 x 10 cameras.
GZ2570 ..... **$144.95**

Gitzo Tripod Accessories

5″ Short Column for Rapid Models
For 100 Series **GZ4550** **$34.95**
For 200 Series **GZ4552** **$39.95**
For 300 Series **GZ4554** **$43.95**
For 400/500 Series **GZ4556** **$47.95**

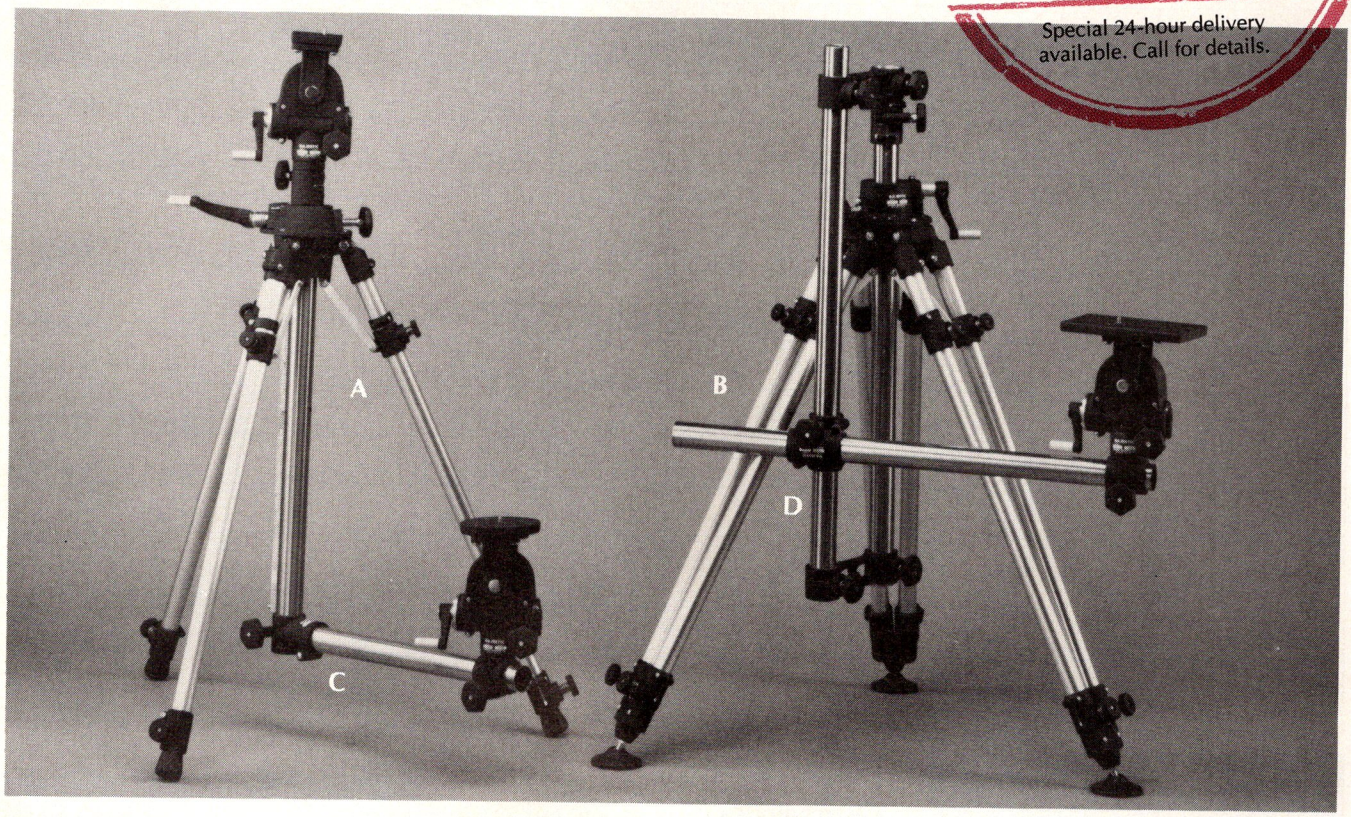
440 Platform (for low positions)
GZ1515 ..... **$31.95**

534 Side Arm for 200 and 300 Series
GZ5534 ..... **$94.95**

536P Side Arm w/360° panning, for 400 and 500 Series **GZ5536** **$174.95**

Spike feet are also available. Call for details.

need it YESTERDAY?
Special 24-hour delivery available. Call for details.



Majestic Tripods

The well known and respected Majestic tripod and accessory line is designed for utmost rigidity, dependability and long life. Their all metal construction features castings which are made of strong but light aluminum alloys and are finished in black wrinkle, baked enamel. All tubes are satin anodized.

Majestic tripods are produced in various heights, weights and strengths. The foldaway crank snaps snuggly against the housing, out of the way when the tripod is transported. The tri-level permits separate leveling of each leg. The air cushioned extension tube prevents a possible crash drop of the camera if the handwheel should accidentally be released. Tripod heads are purchased separately. Majestic offers two elevator options:

Quicklift - This method applies the lifting power directly to the rack. One turn of the crank raises the camera 1⅞". The column is held up by a spring loaded ratchet.

Powerlift - Lifting is done thru a gear and worm combination. This method raises the camera slower, only 5/32" per turn, but it increases lifting capacity and, above all, it holds the camera at any height as soon as cranking is stopped.

Majestic Tripod Models

#2500. (A) Quicklift elevator with braced legs. 33" to 95", 11 lbs. (4" x 5").
MJ2500 ..... **$189.95**

#3000. Quicklift elevator with unified leg extension. 33" to 95", 13¾ lbs. (4" x 5").
MJ3000 ..... **$229.95**

#3300. Same as MJ3000 with Powerlift.
MJ3300 ..... **$239.95**

#4400. Double tube legs, braced, with Quicklift elevator, 37" to 97", 17½ lbs. (8" x 10").
MJ4400 ..... **$299.95**

#4800. (B) Same as MJ4400 with Powerlift elevator, 37" to 97", 17½ lbs. (8" x 10").
MJ4800 ..... **$319.95**

Majestic Tripod Accessories

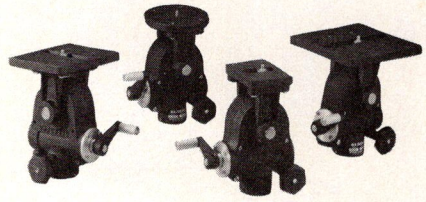
#8040 Side Arm. (C)
This unique accessory can be used in many ways. It can be mounted either on the top or bottom of the centerpost. It can be used for copy work and is very handy for those hard to get at corners and low angle shots. Features an 18" arm tube and weighs only 1¾ lbs. Head clamp can be moved in and out or mounted directly to center post for shots directly under tripod. **MJ8040** **$39.95**

#8030 Outrigger. (D) A more sophisticated form of the sidearm. Because of the double off-center support, the weight put upon the arm is more evenly balanced and stable. Can be set at any point on the vertical tube and can also be set with the center-post crank. Adjustable head clamp can be moved laterally. Arm tube is 28", vertical tube is 32". Wt.: 4½ lbs. **MJ8030** **$79.95**

#8050 Flat Foot. Fits #2500, #3000, #3300, and any tripod w/1" round legs).
MJ8050 ..... **$29.95**

#8055 Anchor Spike. (Fits #2500, #3000, #3300). Spike digs in soft ground, disk keeps leg from sinking. **MJ8055** **$29.95**

#8060 Anchor Spike. (Fits #4000, #4400, #4800 and receptacle #8050).
MJ8060 ..... **$19.95**



Majestic Gearheads

These precision made, heavy duty heads offer smooth geared movements of 90° forward tilt and 30° backward tilt. The side tilt, 20° to the left or right, lets the operator level the camera without resetting the legs. In the level position, the heads will carry a weight of 40 to 50 lbs., but every degree of forward or backward tilt reduces this capacity. A safe weight is a camera of 20 lbs. Each head is equipped with a ¼-20 mount. (*Note: A ⅜" conversion kit is available from the manufacturer.*)

#1200. Standard gearhead, 6"(w) x 7"(l) table. (8" x 10"). **MJ1200** **$119.95**

#1400. Same as #1200 with 6"(w) x 4½"(l) table. (5" x 7"). **MJ1400** **$119.95**

#1600. Same as #1200 with 3⅝"(w) x 3"(l) table. (4" x 5"). **MJ1600** **$119.95**

#1800. Same as #1200 with 4½" round table. (4" x 5"). **MJ1800** **$119.95**

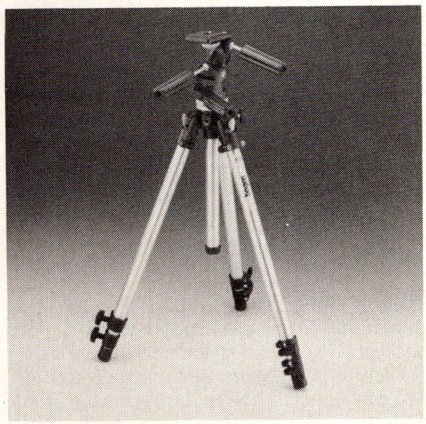
#900 Majestic Head Adapter

Features a ⅜" thread which will accept most Gitzo tripod heads or direct camera mounting (also includes a ¼-20 thread adapter). Mounts directly to Majestic tripod centerpost.
MJ0900 ..... **$39.95**

Prices are subject to change without notice.

Bogen Tripods

Whether you use a 35mm, 4" x 5" or video camera, Bogen has a tripod for your requirements. All Bogen tripods feature hand finished, high strength aluminum alloys that resists wear and remain rigid and stable even with heavy use and abuse.



Bogen 3001 Convertible Tripod with #3029 Pan Tilt Head

This lightweight 5 lb. tripod features 3-section legs, three position click-stop leg spread, reversible center post, folds down to appx. 26", and a maximum elevation of over 60". Ideal for use with Woodfield, Calumet Compact, or medium and 35mm cameras.
BG4000 ..... **$69.95**

3022 Convertible tripod (w/3028 "Super 3-D" head) elevation 14" to 74.5"
BG4005 ..... **$99.95**

3035 Professional 3-section tripod (w/3047 3-way panhead) elevation: 22" to 90"
BG4010 ..... **$159.95**

3040 Professional 2-section tripod (w/3047 3-way panhead) elevation: 36" to 75"
BG4015 ..... **$144.95**



3050 Professional Tripod (pictured above) lets you extend one leg at a time or all three together with finger-tip control, (with 3047 3-way panhead) elevation: 22" to 69"
BG4020 ..... **$199.95**

Bogen Tripod Accessories

For 3040, 3035 and 3050

3047 3-way panhead with ¼-20 mounting plate **BG4025** **$46.95**

3041 Mounting Plate - ¼-20
BG4017 ..... **$11.95**

3042 Mounting Plate - ⅜"
BG4018 ..... **$11.95**

4 x 6 Mounting Plate - ¼-20
BG4021 ..... **$24.95**

4 x 6 Mounting Plate - ⅜"
BG4022 ..... **$24.95**

3052 Extension Leg Set for 3050 and 3040 **BG4060** **$24.95**

3045 Bogen Tripod Carry Strap
BG4075 ..... **$9.95**

Bogen Side Arm (for all tripods)
BG4016 ..... **$29.95**

Video and Cine Tripods

Bogen 3170 Compact Video Tripod
The #3170 comes complete with the Bogen 3126 Micro Fluid Head, which smoothly pans 360°, tilts up or down 90°, includes pan and tilt locks and a continuously adjustable drag. This compact tripod can be folded down to just 24¾" long and can be adjusted in height from 16½" to 60½". Will handle cameras up to 6 lbs. **BG3000** **$84.95**

Bogen 3124 Tripod with Micro Fluid Head
This dependable, lightweight tripod weighs only 7 lbs. and features the #3126 Micro Fluid Head. Folded down, this tripod is 28" long, yet it extends to 72½" in height (minimum elevation is 26") The centerpost length is 17".
BG3005 ..... **$104.95**

Bogen 3140 Cine/Video Tripod with Mini Fluid Head
A rugged, double braced tripod is remarkably rigid for its 7 lb. weight. Ideal for film or tape cameras weighing up to 9 lbs., the #3140 tripod extends to 73" with a 19" centerpost and folds to a compact 37" for travelling.

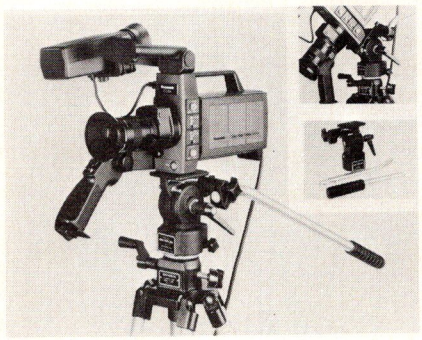
The Mini Fluid Head is 5" x 5" x 5" and pans a full 360°. It features 2¾" x 3" platform and a handle which can be positioned on either side. **BG3010** **$179.95**

Bogen Video Tripod Accessories

Bogen Camera Leveller
This clawball-type accessory allows you to level your camera without leveling your tripod, and quickly change your camera and head from one tripod to another. Used in conjunction with the 3063 Mini Fluid Head or the 3126 Micro Fluid Head.
BG3035 ..... **$29.95**

Bogen Video Tripod Caddy
This handy accessory attaches to any two tripod legs and will hold most portable VCRs or battery packs.
BG3040 ..... **$22.95**

COMPETITIVE PRICES



Bogen Video and Cine Heads

Bogen 3126 Micro Fluid Head
Especially designed for VCR cameras up to 6 lbs., the #3126 offers smooth, fluid movements of 90° tilts up or down and full 360° pan. The head measures 4¼" x 2¾" (excluding handle).
BG3020 ..... **$49.95**

Bogen 3063 Mini Fluid Head
Designed for lightweight cine or video cameras up to 8½ lbs. The #3063 features fluid-type-damped tilt movements of 45° up, 90° down with detents at 45° and 360° pan. On vertical panning, drag is continuously adjustable. The camera platform measures 2¾" x 3" and the total weight of the #3063 is only 3 lbs.
BG3025 ..... **$89.95**

Bogen 3066 Cine/Video Fluid Head
This lightweight professional quality, fluid-damped tripod head is designed for cine and video cameras up to 22 lbs. The #3066 pans smoothly 360° and the panning drag can be set with a simple adjustment screw. Vertical drag is adjusted by a large pawl-controlled lever. The tilting range is 60° up and 90° down, with a detent which can be set to limit the downward movement to 45°. The #3066 weighs 6½ lbs.
BG3030 ..... **$249.95**

Bogen Tripod Dollys

Bogen 3127 Portable Video Dolly
Features a unique locking system that lifts the 2" casters free from the ground so that the dolly rests on separate feet. This handy dolly weighs only 5 lbs. 7 oz. and has a 20" radius.
BG3045 ..... **$53.95**

Bogen Folding Auto Dolly
Features one-touch pedal which locks or unlocks all three casters simultaneously. This portable dolly collapses to a compact 29", and weighs only 9¾ lbs.
BG3050 ..... **$109.95**

Bogen 3056 Auto Dolly
This easily portable, folding dolly collapses to a compact 29". It features 3" wheels, a 20" radius, and weighs 9¾ lbs. A centrally located foot pedal releases all three wheels.
BG3060 ..... **$84.95**

Bogen 3067 Cine/Video Deluxe Dolly
Designed for heavy-duty tripods, the #3067 features 5" wheels and a unique and stable leg locking system. The #3067 weighs 19 lbs. 12 oz. and folds to a compact 25½" length.
BG3055 ..... **$159.95**

ACCESSORIES
Lightweight Tripods
Tripod Cases



Tiltall Tripod

This lightweight, general purpose tripod has been a standard-of-the industry for many years. Its solid metal construction offers stable support for 35mm, medium format and 4 x 5 field cameras.

The camera platform tilts 90° to the left and 45° to the right, and the head tilts 90° forward and 45° backward. A quick-lock system that requires only ¼ turn of the handles locks in adjustments to assure easy control. The centerpost offers a smooth 360° panning action and provides a 12″ extension. The Tiltall also features rubber feet with retractable spikes. Maximum extension is 70″, while its closed length is only 30″, and it weighs 6 lbs. 4 oz.

UL7030 ..... **$139.95**

Case for Tiltall

UL7035 ..... **$19.95**

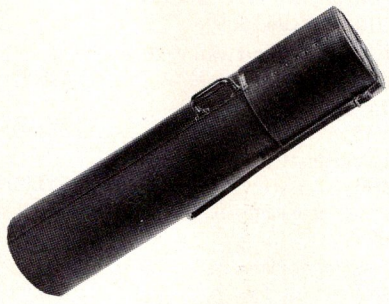


Star-D Tripod

This sturdy, 3-section tripod extends to 70″ and folds down to a compact 30″. Its tubular legs are locked by high-impact plastic collar-rings and feature rubber feet which retract to expose spikes. The Star-D head provides 90°/45° left/right tilts and 90°/45° forward/backward tilts. Its non-geared centerpost extends 12″. This 6 lb. triopd will support all formats up to 4 x 5 field cameras.

UL7026 ..... **$99.95**

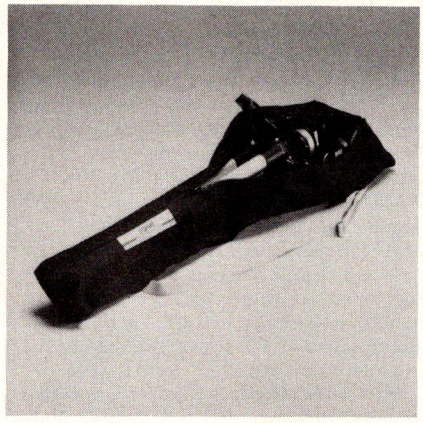
Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.



Fiberbilt Adjustable Tripod and Lightstand Cases

Practical cases that protect tripods with metal bottom for puncture resistance and thick rubber pad in cover to hold tripod securely.

Length Min.	Length Max.	Inside Diameter	Cat. No.	Price
30″	40″	8½″	**FB3455**	**$89.95**
40″	50″	8½″	**FB3460**	**$90.95**
30″	40″	10″	**FB3465**	**$97.95**
40″	50″	10″	**FB3470**	**$99.95**



Domke F4 Sling Bag

The ideal size for a tripod, light stands and umbrellas. Inside are two compartments for dividing umbrellas from stands. Outside straps go all the way around the bag to support the load. Large enough for at least three light stands and three umbrellas. Dimensions 4″ x 42″ x 8″. Weight: 1 lb. 14 oz.

Color: Black **DK3001** **$44.95**

Domke FX4 Super Sling Bag

For photographers who want to carry up to half a dozen light stands and umbrellas, this 8″ x 38″ x 8″ Super Sling Bag is the answer. Although there is no inside umbrella compartment in this bag, it functions simply as a big duffel bag with a zipper running the full length of the bag, and has an outside pocket. **DK3006** **$52.95**

Domke 25″ tripod bag with strap.

DK3010 ..... **$29.95**

Domke 32″ tripod bag with strap.

DK3020 ..... **$31.95**

Domke 38″ tripod bag with strap.

DK3030 ..... **$39.95**



Studio Wall

Studio Wall 42 features five light stand pockets (32″ deep), a tripod pocket, five short pockets for flash heads, lights and accessories, two cable or cord pockets and two over-sized pockets.

Studio Wall is constructed of tough materials – specifically, black waterproof 500 denier CORDURA, aircell foam a quarter-inch thick; 30 feet of silver, two-inch, heavyweight polypropylene webbing, with Fastex snapbuckles made of Delrin; then sewn throughout with heavy-duty nylon upholstery thread.

Studio Wall can be transported while opened-up by means of handles placed at each of the four corners. In the "rolled-up" configuration it can be carried by one person with the two "carrier" handles, or by two people with the corner handles.

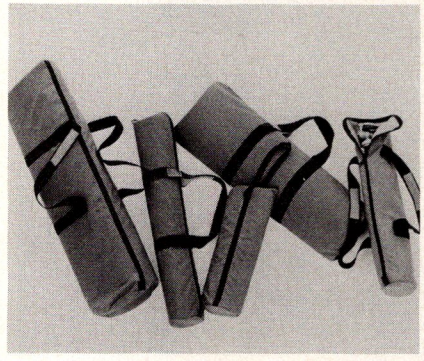
A dowel sleeve is provided to suspend the studio wall from a wall or between two stands by means of a boom arm and superclamps.

Studio Wall 42 42″ (w) x 60″ (l)

AF1000 ..... **$224.95**

Sectional Tubes allow you to suspend Studio Wall between two light stands.

AF1005 ..... **$47.95**



Tenba Tripod Bags

Professional quality tripod bags to carry light stands, umbrellas, and tripods on location.

T488 Grey - 48″ x 8½″ diameter

TE3010 ..... **$54.95**

T388 Grey - 38″ x 8½″ diameter

TE3020 ..... **$49.95**

T325 Grey - 32″ x 5¼″ diameter

TE3040 ..... **$38.95**

More Than Just a View Camera Case!

Calumet Deluxe Case

The Calumet Deluxe case has also proven to be more than just a view camera case. Many photographers have found it ideal as a flash system case, offering lightweight protection and transport for power supplies, flash heads, cables and reflectors.

This rugged case will provide years of dependable protection to your view camera, and offers more flexibility than any other case of its kind. Its generous 10½"(W) x 24"(L) x 15"(H) inside dimensions will accommodate the following array of 4 x 5 view cameras: The Calumet 45N and 540 Series, Cambo SCII, SCX, and 45SR, Horseman 450 and 450EM Models, Sinar F and P cameras and all Toyo/Omega view cameras. What's more, plenty of additional space remains to store extra accessories, such as mounted lenses, sheet film holders, focusing cloth, meters, lens shades, filters, extra film backs, etc., etc., etc.

Perhaps the most innovative feature and attractive asset to this case is its unique, adjustable divider system. Each case comes complete with two, full-size padded dividers which cradle the view camera and hold it securely in place. By virtue of the padded sidewalls with slots spaced 1" apart, these dividers can be individually adjusted to suit your specific camera configuration or storage space needs. Two 3" x 11½" padded partitions are also included with the case, making it easy to organize your accessories and offer important, extra equipment protection.

The Calumet Deluxe case is constructed of durable and undentable polyethylene material, featuring an attractive matte-textured black finish to reduce scuffs and scratches. Extra rigidity and support is guaranteed by its ribbed design, top and bottom. A full-length, continuous "piano hinged" top offers protection from dust and moisture with its tongue-and-groove closure.



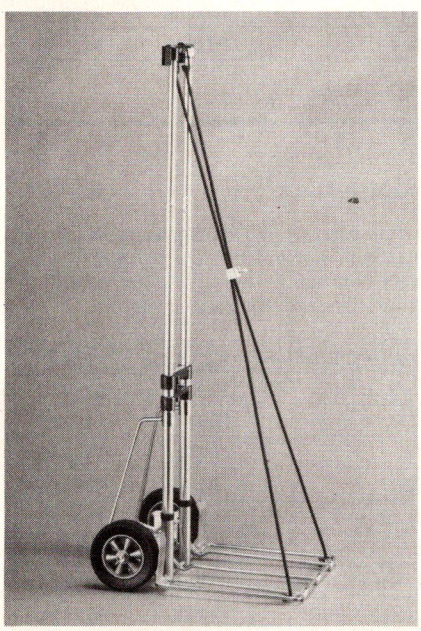
Interior walls and bottom are lined with ½" foam, while the top features convoluted foam protection. The case is secured by three latches (one locking with key provided) to offer safe storage and secure handling.

Outside dimensions are 25"(L) x 12½"(W) x 17"(H) and it weighs 13½ pounds.

CC4525 ..... **$149.95**

Additional 3" x 12" Partitions (each)

FB2312 ..... **$3.55**



Calumet 600 Location Cart

The Calumet Location Cart is rugged, collapsible and features sturdy, rubber 6" ball bearing wheels for smooth stable motion. A 12½" x 16" steel platform base will support up to a 300 lb. load capacity. Elastic cords are permanently attached and have an adjustable cord-lock for various load sizes. The Location Cart extends to 49", collapses to a compact 20⅛", weighs only 11 lbs. and is protected by a limited 5-year warranty.

CC6000 ..... **$89.95**

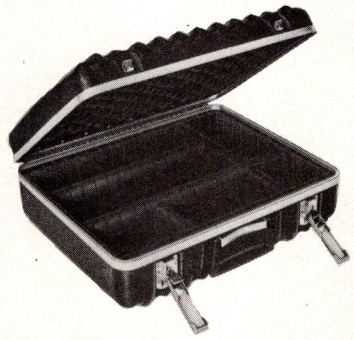
need it
YESTERDAY?
Special 24-hour delivery available. Call for details.



Quick & easy "do it yourself" partitioning!

Fiberbilt Diced Foam Sheets
22" x 16" x 7/8" sheets you can cut to fit your own case.
FB2910 ..... **$6.25**

Fiberbilt Adapt-A-Cases with the Exclusive Padded Partition System



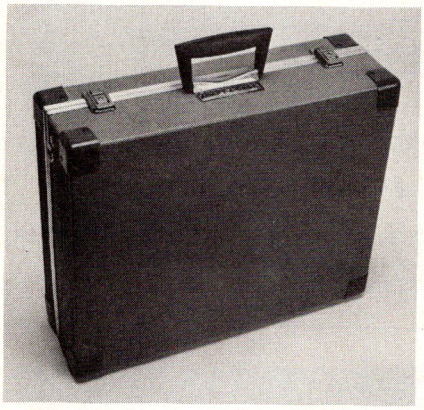
Lightweight and Rugged

P-70 Fiberglass Adapt-A-Case

Girder-rib engineering makes these cases both rugged and lightweight. Delicate and expensive equipment is further protected within the case by a complete lining of extra thick, super-cushioning foam. Rubber gasket in the aluminum tongue-and-groove closure provides maximum dust and moisture protection. Also features full-length, extra-wide, continuous cover hinge, maximum security drawlocks, and a comfortable yet rugged handle.

Exclusive padded partition system offers quick and easy "do-it-yourself" partitioning to fit your particular needs. This patented system of thickly padded interlocking partitions will give you tremendous flexibility with the Adapt-A-Case. Partitions interlock with each other and with the padded sidewalls of the case by means of the tongue-and-groove principle. Slots spaced 1" apart in the padding of the sidewalls and the partitions provide for any compartment arrangement to cushion your equipment perfectly with shock absorbing foam padding. The partitions can be rearranged or added to at any time and the case is fully insulated against heat, cold and dust. Extra partitions are available in 3", 6" and 8" heights from 2" to 22" long and in the 10" height from 2" to 20" long. Call Calumet for individual prices of these extra partitions.

Size-Inches	Model	Partitions Included (Inches)	Cat. No.	Price
18 x 14 x 6	P-70M	3 x 18, 3 x 14, 3 x 9, 2-3 x 5	FB2210	$134.95
22 x 16 x 6	P-70R	3 x 22, 3 x 16, 3 x 11, 3 x 6, 3-3 x 5	FB2218	$154.95

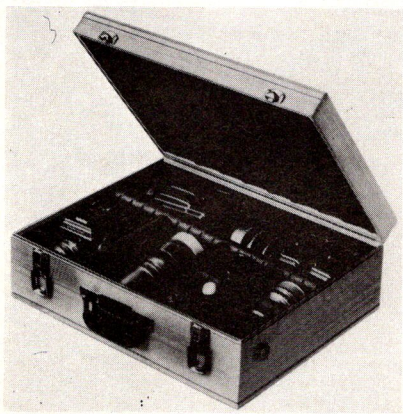


Economical Durability

P-30 Fiber Adapt-A-Case

The P-30 is extremely lightweight and rugged; constructed of tough, wear-resistant black textured fiber. Features new, improved continuous "piano" hinge, secure snap-locks, aluminum tongue-and-groove closure, and steel reinforcing corners. Also features the patented system of moveable, interlocking partitions and fully padded interior.

Size-Inches	Model	Partitions Included (Inches)	Cat. No.	Price
18 x 14 x 5	P-30E	3 x 18, 3 x 14, 3 x 9, 2-3 x 5	FB2150	$ 96.95
22 x 16 x 5	P-30B	3 x 22, 3 x 16, 3 x 11, 3 x 6, 3-3 x 5	FB2147	$114.95
16 x 10 x 10	P-30G	2-8 x 10	FB2152	$ 94.95
10 x 20 x 13	P-30C	2-10 x 10	FB2148	$117.95
18 x 14 x 8	P-30D	6 x 18, 6 x 14, 6 x 9	FB2149	$104.95
22 x 16 x 8	P-30J	6 x 10, 6 x 7, 6 x 5, 2-6 x 16	FB2155	$122.95
22 x 16 x 10	P-30A	8 x 22, 8 x 16, 8 x 11	FB2146	$124.95

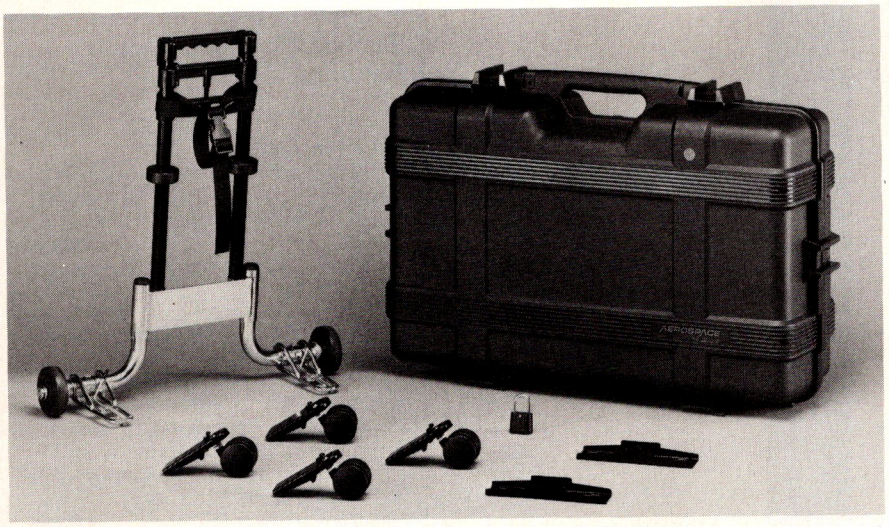


Deluxe Aluminum

P-20 Aluminum Adapt-A-Case

This deluxe case is for those who want a more rigid, rugged case. The P-20 series cases are suitable for both carrying and shipping. Features sleek rivetless construction, rubber gasket tongue-and-groove closure for maximum dust and moisture protection, one piece continuous hinge, maximum security draw-locks, and fully padded interior.

Size-Inches	Model	Partitions Included (Inches)	Cat. No.	Price
18 x 14 x 5	P-20E	3 x 18, 3 x 14, 3 x 9, 2-3 x 5	FB2010	$139.95
22 x 16 x 5	P-20B	3 x 22, 3 x 16, 3 x 11, 3 x 6, 3-3 x 5	FB2107	$162.95
16 x 10 x 10	P-20G	2-8 x 10	FB2112	$144.95
20 x 10 x 13	P-20C	2-10 x 10	FB2108	$169.95
18 x 14 x 8	P-20D	6 x 18, 6 x 14, 6 x 9	FB2109	$159.95
22 x 16 x 8	P-20J	6 x 10, 6 x 7, 6 x 5, 2-6 x 16	FB2015	$184.95
22 x 16 x 10	P-20A	8 x 22, 8 x 16, 8 x 11	FB2106	$197.95
22 x 16 x 18	P-20K	None Included	FB2116	$239.95



Andiamo Aerospace Case

The Andiamo Aerospace Case features a LIFETIME WARRANTY and dares to be destroyed. When you consider the value of your equipment's protection, the Andiamo becomes an invaluable investment.

Developed to meet or exceed Military and ATA specifications, this case will provide your photographic equipment with impact resistance and watertight/airtight protection. An optional lock-on dolly system is available for one or more cases, as well as an integral lock-on two wheel cart.

Its internal dimensions of 27" (L) x 15.40" (W) x 9.12" (H) will hold an entire 35mm or medium format system or a location flash outfit such as Cometlite or Dynalite. The Andiamo weighs 14.2 lbs. and comes complete with foam interior and a combination padlock.

Andiamo Aerospace P28 Case
AN1000 ..... **$315.00**

Andiamo Two Wheel Collapsible Cart
AN1010 ..... **$99.95**

Andiamo Dolly Set (4 casters)
AN1020 ..... **$49.95**

Andiamo Interlock Set (2 pieces). Fastens two cases together for convenient transport
AN1030 ..... **$24.95**

Aerospace F21 Case

This 21½" x 14½" x 8" case fits underneath airline seats. Supplied with solid foam and lock.
AN2000 ..... **$225.00**



Zero Halliburton Cases

These classically designed cases are both lightweight AND rugged. They are constructed of a hard, heat-treated aluminum alloy and designed with ribbing, rounded edges and contoured corners. All of which combines to produce a pre-stressed case for exceptional strength. An interlocking tongue and groove closure with neoprene gaskets provides a moisture and dust resistant seal. These cases are joined by a substantial piano hinge that extends nearly the entire length of the case, while heavy duty, spring-loaded snap latches and a tumbler type combination lock secures the case. Special replaceable deep foam inserts let you customize the interior to match equipment.

Silver Zero Halliburton Cases

Model	Dimensions	Cat. No.	Price
103	18x13x6	ZH2220	$139.95
105	21x13x6½	ZH2225	$159.95
106	21x17x7½	ZH2230	$184.95
110	26x18x9	ZH2235	$229.95
111	24x18x7	ZH2240	$204.95

Black Zero Halliburton Case

Model	Dimensions	Cat. No.	Price
203	18x13x6	ZH2221	$139.95
205	21x13x6½	ZH2226	$159.95
206	21x17x7½	ZH2231	$184.95
210	26x28x9	ZH2236	$229.95



F-2 Original Domke Bag

Features twelve compartments that can hold two or three cameras and eight to ten lenses (including ultra wides and telephotos). Patented insert design is padded with high density foam to stay open. Each compartment is sewn shut at the bottom to prevent small items from sliding from one compartment to another. Exterior dimensions: 7" x 15" x 9". Weight: 2 lbs. 9½ oz. Main interior compartment 6½" x 12" x 9".

Domke F-2 Brown Bag
DK1000 ..... **$74.95**

Domke F-2 Black Bag
DK1005 ..... **$74.95**

Domke Accessories for F-2

Backpack strap. (FA100) **DK1012** **$12.95**

Waist strap (FA140) **DK1013** **$9.95**

Adjustable Post Office shoulder pad.** (FA031) **DK1102** **$11.95**

**can be used on all Domke bags.

F-1X Domke Bag—NEW

This 20" x 9" x 10" bag features two end pockets and seven more compartments than the original F-1 bag. Protective flaps fold over the front pockets. It comes with one 4-compartment insert, but you can add optional two, three or four compartment inserts. Its handle strap is removeable.

Brown F-1X Bag
DK2001 ..... **$119.95**

Black F-1X Bag
DK2002 ..... **$119.95**

Accessories for Domke Bags

Domke Slide-on (or Belt) pouch for F-1.
DK2004 ..... **$12.95**

One compartment insert (FA210)
DK2005 ..... **$14.95**

Two compartment insert (FA220)
DK2010 ..... **$14.95**

Three compartment insert (FA230)
DK2015 ..... **$19.95**

Four compartment insert (FA240)
DK2020 ..... **$19.95**

in stock
AVAILABILITY

ACCESSORIES
Cambo SCS Studio Stands

Cambo SCS Studio Stands
The Cambo SCS studio stand offers maximum support for view cameras at a minimum price. Built and designed with the professional in mind, the SCS offers precision smooth operation, with convenient and dependable counter balanced action. Its newly designed extruded square column permits precise (straight up and down) vertical movements without tacking. The standard double cross-arm features smooth, gear-driven lateral control up to 85cm and total support for up to two 8 x 10 view cameras. For precise repeatability, both the column and the lateral cross-arm offer calibrated reference scales.

The Cambo SCS Studio Stand offers full compatability with the Cambo UST accessory platform system. See page 65 for details.

Cambo SCS Studio Stands with Standard Base
Includes column, double arm and SCS Standard base

7′ or 9′ Cambo Double Arm SCS with Standard Base (specify size)
..... **$1295.00***

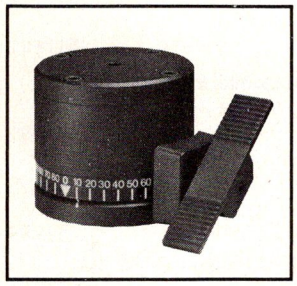
12′ Cambo Double Arm SCS with Standard Base
..... **$1395.00***

Cambo SCS Studio Stands with UCB Single-Action Base
Includes column, double arm and new UCB single action base.

7′ or 9′ Cambo Double Arm SCS with UCB Base (specify size)
..... **$1595.00***

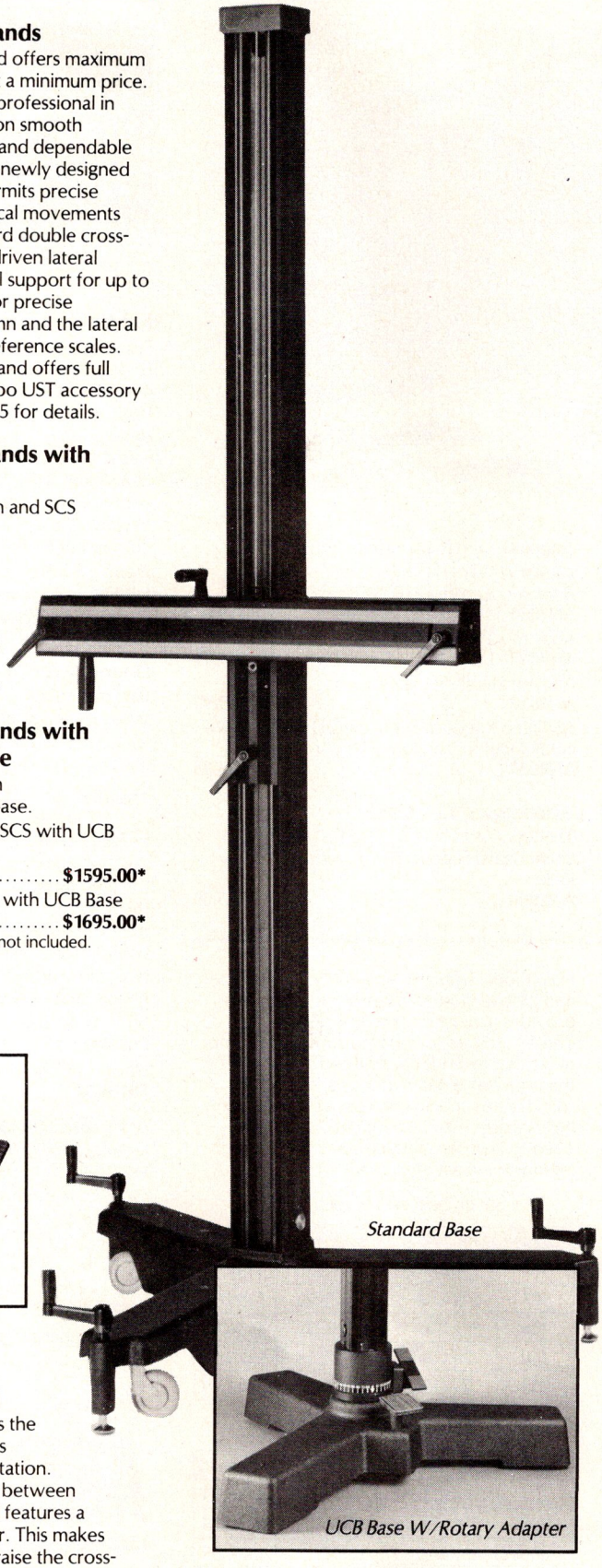
12′ Cambo Double Arm SCS with UCB Base
..... **$1695.00***

*Mounting platforms and heads not included.



SCS 360° Rotary Adapter Base
One important new optional accessory for the SCS stand is the rotating adapter which allows independent 360° column rotation. The rotating adapter mounts between the column and the base and features a convenient foot-locking lever. This makes it possible to independently raise the cross-arm while the rotating adapter is in the locked position and permits rotation of the column without binding the cable.

CB2455..... **$295.00**



Standard Base

UCB Base W/Rotary Adapter

Cambo UST/SCS Camera Platforms

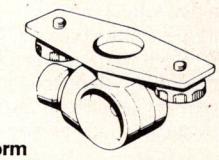


U7 Camera Platform
This platform is used for mounting 3-D Gearhead or camera to U11. Comes with a fixed 3/8″ threaded fitting.
CB2507..... **$49.95**



U9 Right Angle Camera Platform
This right angle platform can be used to directly mount a camera to or to mount a 3-D Gearhead to for maximum precision camera control. Also can be used with either of the extension arms. Comes with a 3/8″ threaded fitting.
CB2509..... **$129.95**

U29 Rotating Camera Platform
This is the ideal platform for a 3-D Gearhead. This right angle platform features a convenient rotating plate with 3/8″ thread which facilitates camera or gearhead mounting. Once the equipment is attached to the U29, the plate can be locked and unlocked for convenient panning movement. Mounts directly to stand arm or to extension arms.
CB2529..... **$149.95**



U10 8 x 10 Camera Platform
Features two 3/8″ threads for extra support for 8 x 10 view cameras. Also provides dual axis movements - panning and forward/backward. Right angle design accepts direct camera mounting.
CB2510..... **$239.95**

Cambo UCB Single-Action Base
The new UCB Single-Action Base puts the Cambo Studio Stand System into a class by itself. This time efficient and cost effective new base is designed to make repositioning your stand a breeze. No longer do you have to individually lock-down or unlock each of the three caster brake pins. This time-consuming sequence has been replaced by one centrally located single-action foot pedal. With just the flick of your foot you can effortlessly release or brake the UCB base – without dropping what you're doing.

This solid aluminum sand-casted base features Cambo's traditional steel post locking system which is adjustable and offers exceptional stability. Single foot action, actually retracts casters, allowing the base to rest firmly on three steel posts. This provides more surface contact than is possible from a caster, and, thus provides better stability.

The UCB can be used with either the UST or SCS model Cambo stands. Also compatible with the SCS rotary adapter.

Cambo UST/SCS Stand Accessories

U6 Extension Tube
Adds an additional 15½" to your standard arm when you need that extra reach. Mounts directly into arm and accepts any of the camera platforms.
CB2606.....**$159.95**

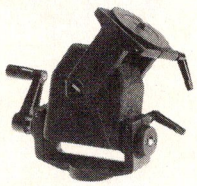
U11 Gear-Driven Extension Tube
Provides up to 10½" of additional height or lower positioning to your studio stand arm. Mounts directly into stand arm and features gear-driven vertical column. Will accept camera mounts in either top or bottom receptacles.
CB2611.....**$439.95**

U45 Low Angle Adapter Arm
Allows you to position your camera close to ground level. This 24" arm mounts directly into stand arm and accepts U7 Camera Platform for minimal camera height. Will also work effectively with 3-D Gearhead.
CB2645.....**$249.95**

U5 Accessory Tray for UST Stand
Terrace-design provides two separate storage areas for your accessories and keeps them at arms length of your camera. Top section is 13⅝" x 6⅜" and 1⅜" deep, and the bottom section is 13⅝" x 5⅝" and 3" deep. Mounts directly to arm and goes up and down when you adjust your camera height.
CB2420.....**$149.95**

U55 Accessory Tray for UST Stand
This two-tiered tray is on a pivoting arm which allows you to get at your accessories from either side of the stand. Two tiers means twice as much storage capacity. Each tray measures 10¼" x 10¼" and is 1¼" deep. Mounts on stand arm.
CB2425.....**$149.95**

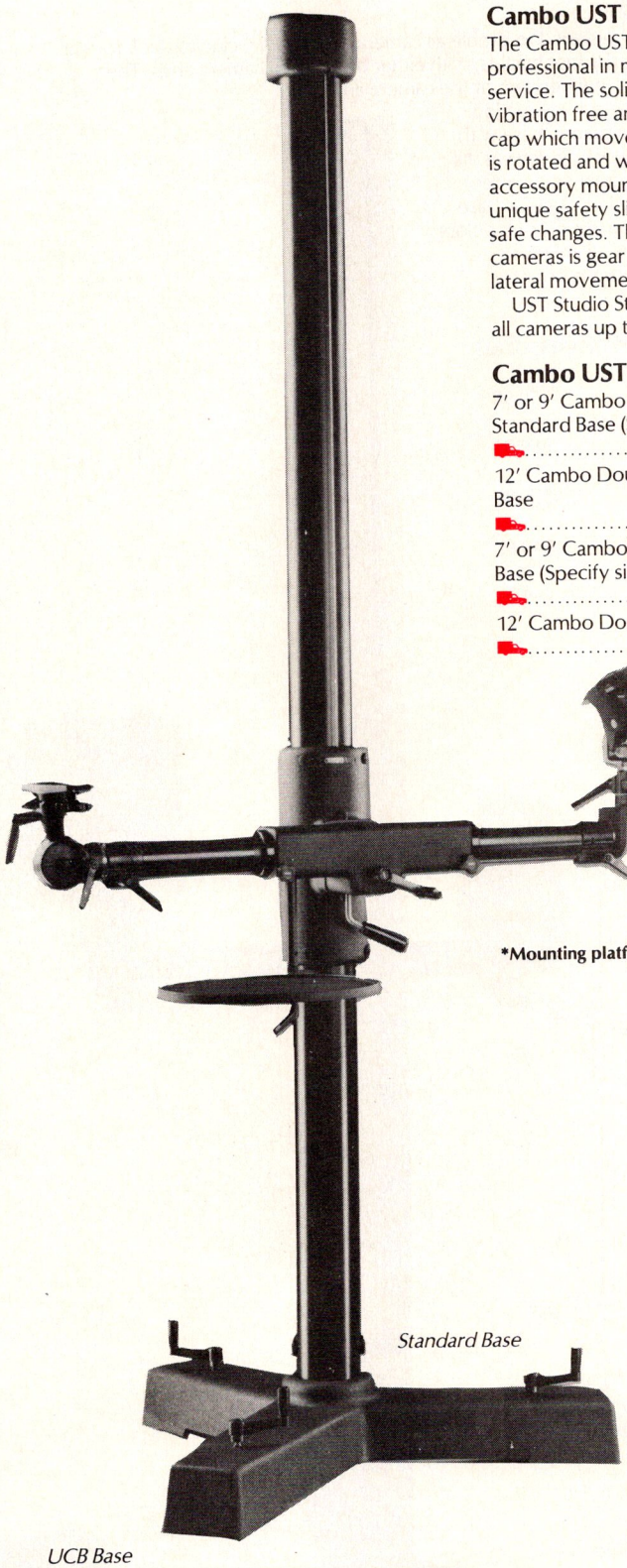
SC55 Accessory Tray for SCS Stand
Same as U55, but dedicated to SCS Stand.
CB2415.....**$149.95**



Cambo 3-D Gearhead

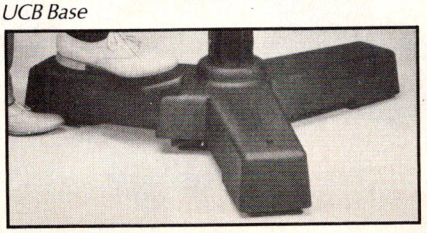
The Cambo 3-D Gearhead will support any camera up to 55 pounds and provides precision smooth movements when mounted to any studio stand or tripod. This Gearhead outmaneuvers its competition by featuring 180° geared tilt movements, 180° side-tilt and 360° pan rotation capabilities. Its rugged, all-metal construction will withstand years of heavy, daily studio use. Universal ⅜" screw mount base makes it possible to mount the Cambo 3-D Gearhead to most studio stands and professional tripods, including Calumet and Gitzo. Weight: 5 pounds.
CB2725.....**$199.95**

U29 Rotating camera platform, with ⅜" WW-thread fitting U3, U4, U6, U11
CB2529.....**$149.95**



Standard Base

UCB Base



Cambo UST Studio Stands

The Cambo UST stand is built with the professional in mind and for years of excellent service. The solid 4½" diameter column is vibration free and is topped by a 360° swivel cap which moves freely when the camera arm is rotated and will not bind. Arms and accessory mounting platforms are joined by a unique safety slide lock system for quick and safe changes. The double cross-arm for two cameras is gear driven for smooth and precise lateral movements.

UST Studio Stands are designed to handle all cameras up to and including 8 x 10.

Cambo UST Studio Stands

7' or 9' Cambo Double Arm UST with Standard Base (Specify size)
.....**$1695.00***

12' Cambo Double Arm UST with Standard Base
.....**$1795.00***

7' or 9' Cambo Double Arm UST with UCB Base (Specify size)
.....**$1995.00***

12' Cambo Double Arm UST with UCB Base
.....**$2095.00***

***Mounting platforms and heads not included.**

to order
1-800-CALUMET
call toll free
1-800-225-8638
For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

ACCESSORIES
Cambo EST
Studio Stands

Cambo EST Studio Stands

The Cambo EST Studio Stand is designed to handle all cameras up to and including 4 x 5 format. The EST is available in both 7 and 9 foot heights, with either one or two camera arms. The optional accessory tray attaches independent of the camera arm.

The EST Stands are of solid metal construction, with a square column and a star-shaped base with three swivel casters and three blocking devices. Its smooth action rise and fall movement is counter-balanced and easily locked. The EST's unique base lock system actually raises the casters off of the floor, while the stand rests on three ½" diameter steel posts, giving a direct contact with the floor for maximum stability.

EST Camera Supports and Accessories

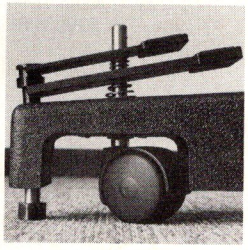
E10 Camera support, with ¼" WW-thread
CB2500..... **$59.95**

E20 Camera support, with ⅜" WW-thread
CB2505..... **$59.95**

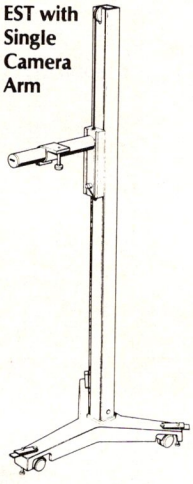
E12 Extra heavy counterweight
CB2690..... **$79.95**

E13 Set of 3 replacement casters
CB2698..... **$49.95**

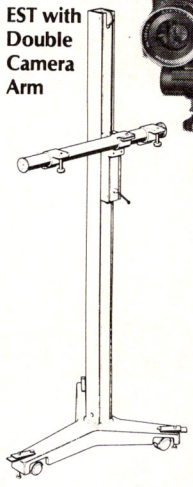
EST/ECS Accessory Tray
CB2410..... **$99.95**



EST with Single Camera Arm



EST with Double Camera Arm



7' or 9' EST with single arm for one camera. (specify size)
$579.00*

7' or 9' EST with double arm for two cameras. (specify size)
$649.00*

*Camera support included. Specify E10 or E20.

Note: 7' EST Stands are UPS shippable, while 9' models are shipped freight collect.

Cambo MST Studio Stand

This sturdy studio stand is ideal for the portrait studio or for special purpose situations such as passport and police work. The MST provides maximum stability to all formats up to and including 4 x 5 view cameras. Yet, because of its small size, it is easy to move – even on carpet. Its geared center column provides adjustable height from 36" to 52", while an additional 16" elevation can be added with the optional U6 Extension Tube. Included with the MST is a convenient accessory tray. The MST accepts the full line of UST/SCS camera platforms.
CB2800..... **$699.95**

MST Accessories

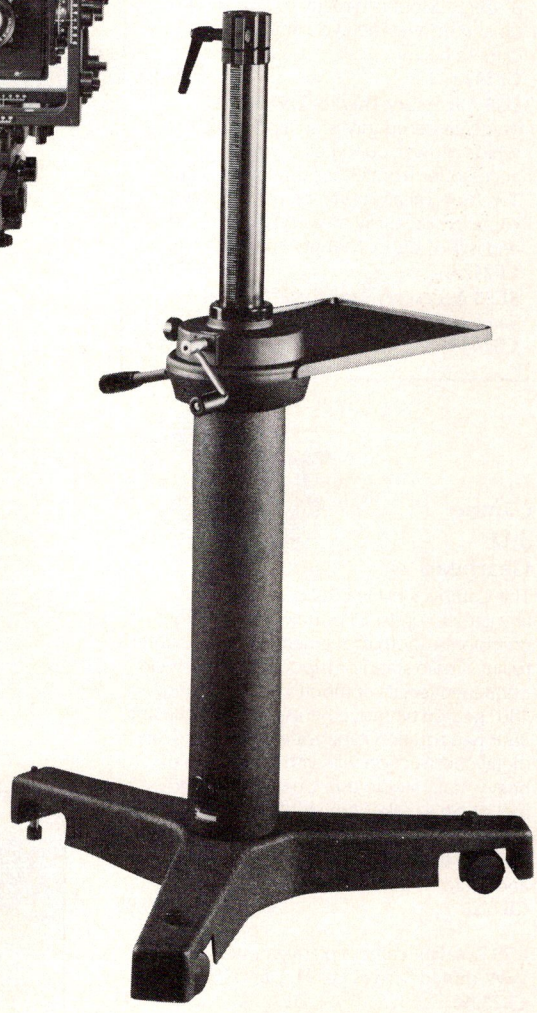
U7 Camera Platform
⅜" thread will mount directly to cameras or, preferably, to Cambo ball heads or gearhead.
CB2507..... **$49.95**

U6 Extension Tube
CB2606..... **$159.95**

Cambo CBH-2 Ball Head (for 35mm)
CB2700..... **$39.95**

Cambo CBH-3 Ball Head (for medium format passport, I.D. and long roll cameras)
CB2710..... **$79.95**

Cambo 3-D Gearhead (for up to 4 x 5)
CB2725..... **$199.95**



ACCESSORIES
Cambo ECS Studio Stands

Cambo ECS Studio Stand

The ECS represents a breakthrough in totally new convenience features never before available in a mid-size studio stand. This latest Cambo stand provides both solid support and precision camera placement for all formats up to and including 4 x 5. Its gear-driven cross arm offers pinpoint lateral camera movement from 5" to 20" left or right of center. Its smooth action, counter-balanced vertical rise is steadfastly supported by an extruded metal column. Its single-action base makes locking and unlocking a one-step snap. And its optional 360° rotary base adapter gives independent panning control.

The ECS stand comes with two 3/8" threads – one on each end of the arm – for maximum versatility and choice of either left or right camera positioning. While cameras can be mounted directly to the arm, it is recommended that you use either of the Cambo Ball Heads or the 3-D Gearhead for greater camera control. An optional accessory tray mounts to the arm collar, and travels up and down with the camera - thus keeping your accessories close to where you are working.

There is no better way to increase your studio efficiency than by adding a studio stand to your equipment arsenal. And the ECS is the most efficient stand in its size and price range.

Cambo ECS 7′ Studio Stand

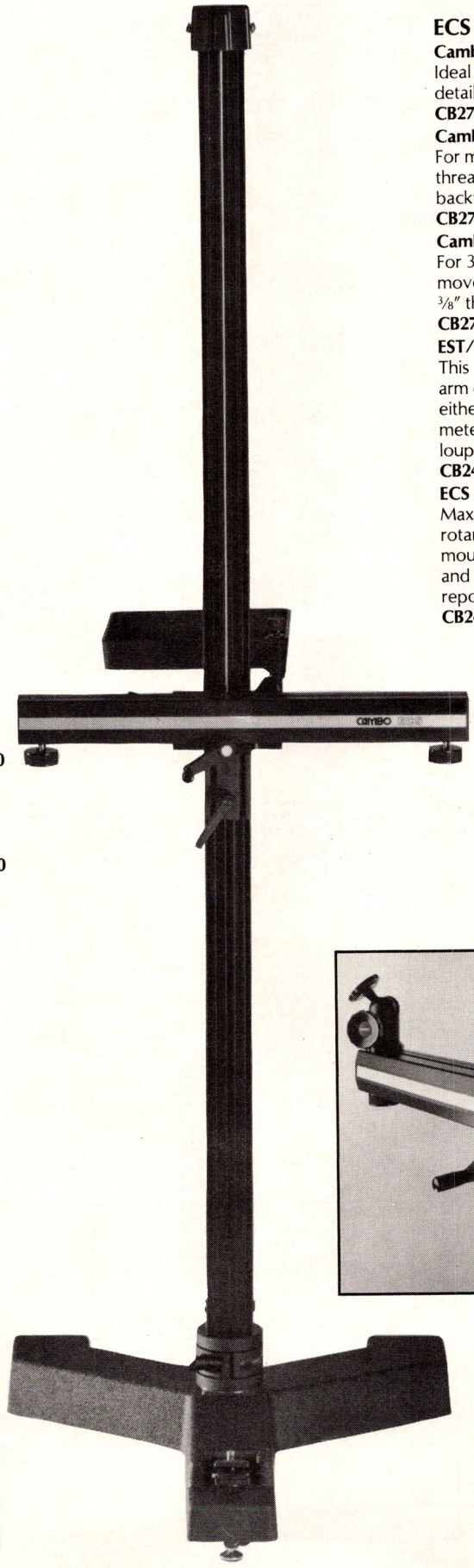
Includes column, single-action base, gear-driven cross arm with two 3/8" mounts.

\$895.00

Cambo ECS 9′ Studio Stand

Includes column, single-action base, gear-driven cross arm with two 3/8" mounts.

\$895.00



ECS Accessories

Cambo 3-D Gearhead
Ideal for 4 x 5 view cameras. (See page 56 for details.)
CB2725 ..... **\$199.95**

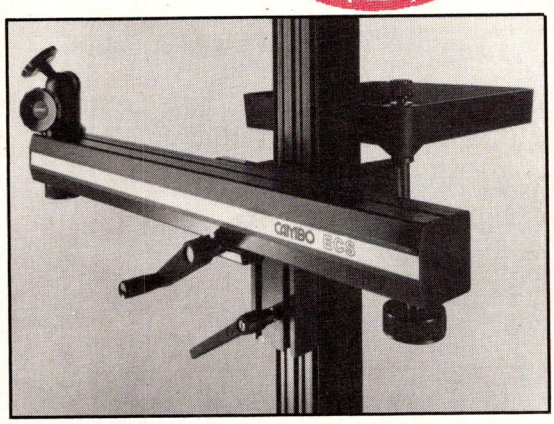
Cambo CBH-3 Ball Head
For medium format cameras. Features 1/4-20 thread, 90° movement forward and backward. Mounts to 3/8" thread.
CB2710 ..... **\$79.95**

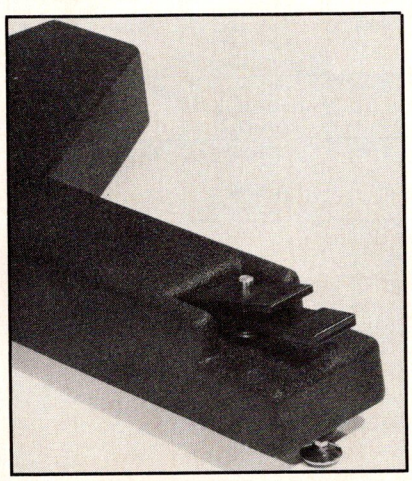
Cambo CBH-2 Ball Head
For 35mm cameras. Features 1/4-20 thread, 90° movement forward and backward. Mounts to 3/8" thread.
CB2700 ..... **\$39.95**

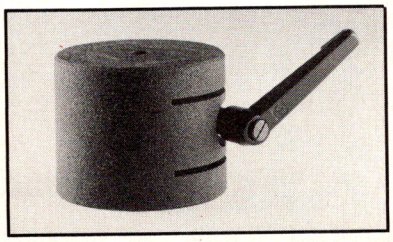
EST/ECS Accessory Tray
This 10½" x 10½" tray mounts directly to the arm collar and pivots for easy access from either side of the stand. Ideal for holding meters, film backs and holders, focusing loupes, Polaroid backs and coffee cups.
CB2410 ..... **\$99.95**

ECS Rotary Base Adapter
Maximize your camera control with this 360° rotary adapter. This convenient accessory mounts between the column and the base, and locks and unlocks easily for quick repositioning.
CB2450 ..... **\$149.95**

toll free
TECHNICAL ASSISTANCE
Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).







Quick Reference Meter Charts

CONTINUOUS LIGHT METERS

Continuous Light Meters	ASA Range	F-Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	EV at ASA-100	Comments	Supplied with:	Cat. No.	Price
Gossen Luna Pro SBC	0.8 to 100,000	0.7 to 128	1/4000 to 8 Hr.	Silicon	Analog Nulling System	9V	−4 to 17	Full System of acc. available	Case, Neck Strap Battery	GS4009	$179.95
Gossen Luna Pro	0.8 to 25,000	1 to 90	1/4000 to 8 Hr.	CDS	Analog	PX-13 (2)	−4 to 17	Dual Range	Case, Neck Strap & Batts.	GS4002	$149.95
Gossen Luna-Lux	6 to 12,500	1 to 45	1/2000 to 2 Hr.	Silicon	LED Nulling System	9V	+1 to 17	Direct Measurement for Zone System	Case, Batt.	GS4025	$104.95
Minolta Auto Meter III	12 to 6400	0.7 to 64	1/2000 Sec. to 30 Min.	Silicon	LCD	AA	Incident: −2 to 19.5 Reflected: 1 to 22.5	2-Memory Measurement	Spherical Diffuser, Neck Strap, Belt Case, Battery	MN4007	$149.95
Sekonic L-398	6 to 12,000	1 to 90	1/2000 to 60 Sec.	Selenium Photocell	Analog	None	Incident: 4 to 17 Reflected: 9 to 17	Swivel head ft. candle scale	Strap, Case Lumisphere Grid. Disc High Slide	SE4060	$ 82.95
Sekonic L-318	3 to 8,000	1 to 90	30 min. to 1/8000 sec.	Silicon	LCD	AA (1)	0 to 19.9	Swivel Head	Case, cord, battery sphere, disc, grid	SE4050	$149.95
Horseman 4x5 Optical Exposure Meter	3 to 12,000	1 to 64	1/500 to 30 min.	CDS	Analog	5.4V	5 to 19	thru lens metering	Battery	HR4680	$469.95
Horseman 6x9 Optical Exposure Meter	3 to 12,000	1 to 64	1/1000 to 30 min.	CDS	Analog	5.4V	2 to 16	thru lens metering	Battery	HR9380	$339.95

SPOT METERS

Spot Meters	ASA Range	F/Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	Measuring Range	Measuring Angle	Filter Size	Supplied with	Cat. No.	Price
Minolta Spot Meter F	12 to 6400	0.7 to 90	1/8000 to 30 min.	Silicon	LCD & Analog	1-AA	1 to 22.5	1°	Not Threaded	Neck Strap, Belt Case Cap, Batt.	MN4015	$379.95
Pentax Spot V	6 to 6400	1 to 128	1/4000 to 4 min.	Silicon	Analog	MS 76 (3)	1 to 19	1°	46mm	Case, Cap, Strap, Batt.	PX4040	$179.95
Pentax Digital Spot	6 to 6400	1 to 128	1/4000 to 4 min.	Silicon	LED	PX 28	1 to 20	1°	40.5mm	Case, Cap, Strap, Batt.	PX4050	$289.95

FLASH/MULTIPURPOSE METERS

Flash Meters	ASA Range	F/Stops	Shutter Speeds	Type of Cell	Exposure Readout	Battery	EV at ASA-100	Cord/ Cordless	Flash/ Continuous	Supplied with:	Cat. No.	Price
Gossen Multi Pro	1 to 800,000	0.7 to 90.9	8 Hrs. to 1/8000	Silicon Blue (2)	LCD	9V	−2 to 18	Both	Both	Case, strap and batt.	GS4007	$279.95
Gossen Ultra Pro	1 to 800,000	0.7 to 90.9	8 Hrs. to 1/4,000	Silicon	LCD	9V	−4 to 18	Both	Both	Case, Batt, Strap	GS4005	$499.95
Gossen Luna Pro F	0.8 to 100,000	0.7 to 128	8 Hrs. to 1/4000	Silicon	Analog Nulling System	9V	−1 to 17	Cordless Only	Both	Case, Batt, Strap	GS4015	$209.95
Minolta Auto III F	12 to 6400	1.0 to 45	Ambi-1/2000 to 30 min. Flash-1/60 and 1/250 sec.	Silicon	LCD and Analog	6V E-537	Inc.:−2.4 to 19.1 Ref: 1.0 to 22.5	Cordless	Both	Spherical dif., strap, case, key guard.	MN4008	$219.95
Minolta Flash Meter IV	8 to 6400	.07 to 90.9	30 min. to 1/8000 sec.	Silicon	LCD	AA(1)	Incident −2 to 19.5	Both	Both	Case, Reflector, Adapter	MN4055	$439.95
Sekonic L-458	6-8,000	1 to 90	1/15-1/250	Silicon	LCD	AA(1)	4:21.9	Cord only	Both	Case, strap batt., refl. grid, sphere	SE4130	$199.95
Sekonic L-518	6 to 8,000	1 to 90	Flash: 1-1/500 Cont.: 30 mins. to 1/8000	Silicon	LCD and Analog	AA (1)	−5 to 25	Both	Both	Case, Lumisphere, Lumi-Disk	SE4100	$389.95
Sekonic L-488	3 to 8,000	1 to 90	Ambi-30 min. +C to 1/8000 sec. Flash-30 min. to 1/500 sec.	Silicon	LCD	AA (2)	4-24	Cord	Both	1° Spot or 20° Avg. Capabilities	SE4140	$299.95



Gossen Luna Pro

Versatile, reflected and incident, CDS meter renowned for its accuracy, reliability, and range. Smooth, one-hand operation with selector button for high and low range.
GS4002 ..... **$149.95**

Gossen Luna Pro F

Measures both continuous light and flash. Uses same nulling readout as the SBC, which is ideal for determining lighting ratios and brightness range. Accepts entire line of Luna-Pro accessories.
GS4015 ..... **$209.95**

Gossen Luna-Lux

This moderately priced full featured meter can be programmed for corrections in bellows and filter factors. Combines the advantages of a silicon blue sensor with an LED null metering system. Provides exposure values from –8 to 24 EV. Accepts a wide range of Luna Pro SBC accessories.
GS4025 ..... **$104.95**

Gossen Meter Accessories

Luna Pro system accessories for use with Luna-Pro SBC, Luna-Lux, Luna-Pro F, Luna-Pro, Multi-Pro and Ultra-Pro.

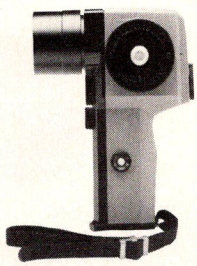
Enlarging Attachment
GS4420 ..... **$44.95**

Microscope Attachment
GS4423 ..... **$44.95**

Fiber Optics Probe
GS4425 ..... **$169.95**

7½° or 15° Variable Angle Attachment
GS4427 ..... **$64.95**

Repro/Copy Attachment
GS4429 ..... **$44.95**



Pentax Spotmeter V

- Measuring Ranges: EV 1-19, ASA 6-6400
- Shutter Speeds: 1/4000 sec. – 4 min.
- Measuring Angle: Circle of 1°
- Measuring Method: Spot measuring of reflected light
- Photosensitive Cell: Silicon photo diode (SPD)
- Filter Accessory Size: 46mm

PX4040 ..... **$179.95**

Pentax Digital Spot Meter
PX4050 ..... **$289.95**

Sekonic Digi Lite L-318

Pocket size digital exposure meter features a 270° swivel head that accurately reads and measures incident and reflected light. Silicon photo diode with superior light response ensures a wide measuring range. Includes Lumisphere, Lumidisc, Lumigrid, leather case, neck cord and battery.
SE4050 ..... **$149.95**

Sekonic L-398

Accurate and dependable incident light meter which also serves as a reflected meter with Lumigrid (included). Selenium photocell eliminates the need to replace batteries.
SE4060 ..... **$82.95**

Slide Set for L-398
SE4410 ..... **$24.95**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery,
Monday through Friday
8 a.m. to 5:30 p.m.
(central time).



Sekonic Digi Pro X-1

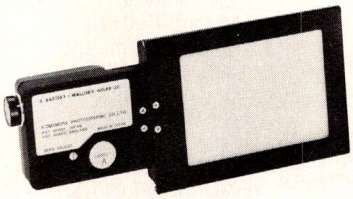
The Sekonic Digi Pro X-1 (Model L-518) meter provides all necessary input and metering information for five reading modes: flash with sync cord; cordless flash; cumulative flash; shutter-speed priority; and aperture priority with aperture/shutter speed or EV readout. It also displays countdown sequences for precise time exposures terminating with an audible signal. **SE4100** **$389.95**

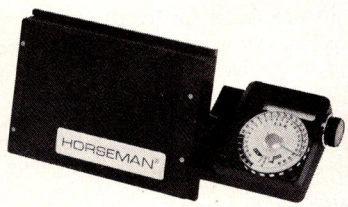
Sekonic L-458 Flash Meter

Inexpensive direct readout LCD Flash Meter which also reads reflected and incident ambient light. Provides accurate readings in 1/10 stops. **SE4130** **$199.95**

Sekonic L-488 Spot/Flash Meter

World's first spot (1°)/flashmeter. Features both internal and external digital readout, one hand/one button operation, measuring accuracy within 1/10 (0.1) E.V. Able to measure 1° or 20° readings **SE4140** **$299.95**





Horseman Optical Exposure Meters

These large format through-the-lens exposure meters slide into the camera back just like a film holder, and automatically compensate for bellows extension and filters. The integrated metering system reads light at the film plane providing electronically accurate readings in nearly all continuous lighting situations. The price to performance ratio of the Horseman meters, makes them the best large format meters we've seen.

Horseman 4 x 5 Optical Exposure Meter

Measures light over the entire 4 x 5 area for a fully integrated reading. This meter has three ranges and excellent low range sensitivity for long bellows extension and small aperture applications.

Specifications

- ASA Range – 3 to 12,000
- Shutter Speed Range – 1/500 to 30 min.
- FSV Range – 5 to 19

HR4680 ..... **$469.95**
Replacement Battery **DU6195** **$7.00**

Horseman 6 x 9 Optical Exposure Meter

Reads 6 x 9 cm area for cameras such as the Horseman VHR. May also be used in any standard 4 x 5 camera by means of an optional 4 x 5 adapter. The smaller metering area provides a "center weighted" type of reading when used on a 4 x 5 camera.

Specifications

ASA Range – 3 to 12,000

- Shutter Speed Range – 1/1000 to 30 min..
- FSV Range – 2 to 16

HR9380 ..... **$339.95**

4 x 5 Adapter for 6 x 9 meter
HR9382 ..... **$44.95**

Accessories for Horseman 6 x 9 Meter

Case for 6 x 9 meter
HR9381 ..... **$19.95**

Replacement Battery for 6 x 9 meter
DU6195 ..... **$7.00**



Minolta Flash Meter IV

This new meter goes far beyond the capabilities of the Flash Meter III with such new features as the ability to calculate multiple-pop exposures from a single flash burst and read both continuous and flash lighting levels simultaneously. In the latter case, both light levels are displayed at the same time, giving you the ability to manipulate the display to achieve an exposure balanced for both light sources. A new 5° viewfinder is also available.

MN4055 ..... **$439.95**



Minolta Auto Meter III

Combines the accuracy of a digital readout and the graphic indication of an analog meter. Memory will store up to two exposure readings. Optional accessories convert meter to a versatile reflected and enlarging meter.

MN4007 ..... **$149.95**

Minolta Auto III F

Combines all of the features of the Auto Meter III in addition to flash metering in both incident and reflected modes, and averaging capability. Features memory circuit and exposure averaging capabilities.

MN4008 ..... **$219.95**

Minolta Meter Accessories

Meter Booster Set - High sensitivity, reflected-light receptor for through-the-lens light measurement. Produces spot readings on ground glass, measures brightness at the SLR Viewfinder, can do TTL measurement with flash. Includes attachments for spot-probe, eyepiece, microscope, and 35 film plane.

MN4134 ..... **$194.95**

10° spot attachment
MN4050 ..... **$59.95**

5° spot attachment (flash meter IV only)
MN4060 ..... **$74.95**

Flat disc diffuser
MN4410 ..... **$14.95**

Mini probe **MN4135** **$94.95**
4x Diffusor **MN4140** **$14.95**
8x Diffusor **MN4142** **$14.95**
Sync Cord **MN4144** **$24.95**
Special Diffusor **MN4412** **$14.95**



Minolta Spotmeter F

This versatile meter provides 1° spot readings for both ambient and flash light sources. Its bright, single-lens reflex viewfinder displays exposure information. On the side of the meter are control keys, LCD and analog exposure displays. The Spotmeter F can be used to determine the degree of brightness differences in a scene, calculates highlight and shadow readings or averages the two. Measurements are stored in one of the meter's two memory circuits. The Spotmeter F is powered by one AA-size battery and also features a viewfinder display illuminator, adjustable eye piece and a tripod socket. Comes with neck strap and belt case. As a flash meter, the Spotmeter F operates with cord only (not included).

MN4015 ..... **$379.95**



Minolta Color Meter II

Provides you with the professional's edge when it comes to clean and accurate transparencies. Plus, it will save you time and money in retouching your transparencies by giving you accurate filtration data for all types of lighting situations. It employs three, high-sensitivity silicon photocells to make simultaneous measurement of the ratio of three colors from a continuous source or a combination of sources. It provides LCD readout of color temperature (°K), light balancing (LB) and color compensating (CC) filter indexes for type A, B, and D films. Range: 1600 to 40,000 °K.

MN4020 ..... **$619.95**

Flash Receptor - Permits color temperature readings from electronic flash.

MN4022 ..... **$359.95**

The Calumet Pouch



It stores, protects and organizes a wide range of camera bag and studio "things," such as meters, lenses, film backs and holders. This 11" x 9" Pouch provides excellent shock protection. Made of high-abrasion index Dupont Cordura®, which is triple sewn over a ½" high density foam. A fold-over flap provides positive and secure closure with a full 2" wide velcro strip.

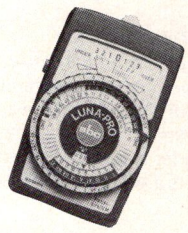
CC9125 ..... **$19.95**

Gossen Ultra Pro



- Reads flash and continuous light.
- Full range of photographic and photometric readouts/functions.
- Direct readout of brightness range and contrast, and flash to daylight ratios.
- LCD digital readout with Silicon Blue cell.
- Computes number of flashes necessary for a pre-selected f-stop.
- Calibrates necessary exposure corrections for filters, accessories, etc.
- Functions as a manual timer and provides visual and audible indications for exposures 1 sec. or longer.
- Accepts Luna Pro SBC and standard Luna Pro accessories.

GS4005 ..... **$499.95**



Gossen Luna Pro SBC

Silicon blue cell eliminates lag and memory effects. Measures reflected and incident light. Electronic memory circuit holds reading. Accepts full range of optional accessories. **GS4009** **$179.95**

Gossen Meter Accessories

Luna Pro SBC System Accessories for use with Luna-Pro SBC and Ultra-Pro.

Luna-Flash (SBC only) **GS4490** **$199.95**
Luna-Sphere **GS4491** **$134.95**
Multibean (1°, 5°, 10°) **GS4492** **$279.95**
Luna-Micro **GS4493** **$51.95**
Luna-Probe **GS4495** **$194.95**
Luna-Color **GS4497** **$224.95**
Profi-Select TTL **GS4500** **$599.95**



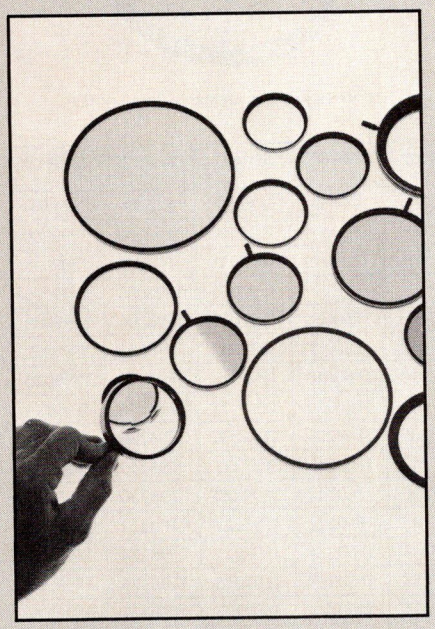
Gossen Multi Pro

Features a digital readout of both flash and continuous light as well as built-in memory. Displays pre-selected aperture, shutter speed, readout in EV. Averages up to 15 separate readings. Accepts Luna Pro accessory system.

GS4007 ..... **$279.95**

to order call toll free
1-800-CALUMET
1-800-225-8638

Filter Facts



Tiffen Special Purpose Filters

Tiffen manufactures over 2,000 different types of filters and continues to lead the industry in the research and development of new products to meet the ever-changing needs of professional photographers, motion picture studios and television industries around the world. Knowing how these filters are made and the results these filters are capable of producing is an important step towards understanding the vast possibilities open to the image-making process.

How Tiffen Filters Are Made

Knowing how a filter is constructed will tell you a lot about the kind of job it will do for you. Most filters are produced as either solid glass or by the laminate method.

Solid filter glass is made by adding the color to the glass in its raw molten state. Done in large batches it is difficult to control the color precisely. Since the color is dispersed throughout the glass, its accuracy is dependent on finished thickness which often results with a heavy filter. This adds to the difficulty of producing reliable color using this method.

Tiffen Filters consist of two sheets of optical clear glass using Tiffen's own patented laminate process. The color is an integral part of the thermal bonding material, and can be applied with extreme control of color, transmission, and density. The bonding material has the same refraction index as glass, and the resulting product is far superior than that of solid glass, with the advantage of better quality control. Tiffen filters are not affected by heat, cold, or humidity to the extent that they surpass U.S. Military filter specifications.

Glossary of Special Effect Filters

Center Spot Filter—Variation on the diffusion filter with an optically clear center area to keep the main subject in sharp focus. Ideal for portraits or other situations where a clear central subject with a diffused, less distracting background is desired.

Color Compensating Filters—Used to compensate for deficiencies in the color quality of light sources, deficiencies in film, reciprocity failure, etc. Available in primary colors – red, blue, green and in secondary colors – cyan, yellow, magenta. Tiffen Color Compensating Filters are available in different strengths and may be combined to achieve precise color rendition.

Diffusion Effect Filter—Consists of polished glass with one side smooth and the other slightly rippled. This causes light passing through it to be deflected slightly to decrease image sharpness. Features no reduction in contrast. Available in several densities from slight softening of the overall image (#1) to a complete diffusion with flaring highlights, an overall misty appearance, and a soft blending of colors (#5). Often used in portraiture to minimize wrinkles or blemishes and for dreamlike effects.

Fluorescent Light Filters—Color correction filters which give natural color renditions, eliminating the deep blue-green cast ordinarily resultant from shooting color films under average fluorescent lighting.
FL-B Filter: for use with indoor type B film.
FL-D Filter: for use with daylight film.

Fog Effect Filters—Create a misty atmospheric haze effect resembling fog. Supplied in five densities (#1-lowest, #5-highest) which can be used in combination to create an endless range of fog effects.

Low Contrast Filters—Designed to effectively desaturate and mute colors in pre-selected steps. Ideal for blending make-up, smoothing skin tones and enhancing outdoor scenes. Effectiveness does not change with speed or lens opening. May be used individually or in combination with other color filters to create mood effects. Allows more detail in dense shadow areas. Ideal for slide duplication work.

Neutral Density Filters—Used to reduce the amount of light reaching the film with no selective absorption effects on colors. Utilized in bright light situations. Available in several densities.

Polarizing Filters—Adjustable rotating filter which eliminates surface reflections, unwanted glare or hot spots from any light source; penetrates haze and will darken a blue sky and increase color saturation. Can be used with all types of color or black and white film. Rotating mounts allow you to achieve various degrees of polarization.

Circular Polarizer—Especially designed to prevent potential errors with internal metering systems which cause their own internal polarization effects.

Thin Polarizer—Designed to eliminate vignetting when used with wide angle lenses by utilizing a thinner filter ring.

Sepia Filters—Produces a warm brown color that may be used to add a "turn of the century" atmosphere to color pictures. Available in different densities for various degrees of warmth. Sepia III also lowers contrast for greater picture enhancement.

Softnet Black Filter—Net material laminated between optical clear glass. Creates a soft diffusion effect while causing no halation from highlights. Dark areas remain dark. Available in several densities.

Softnet White Filter—Net material laminated between optical clear glass. Creates a soft diffusion effect while adding a misty look. Produces halation from highlights; dark areas appear less dense. Available in several densities.

Softnet Skintone—Creates a softness effect which enhances skin tones and adds a warming quality. Available in several densities.

Split Field—Essentially a close-up lens cut in half. This allows close-up focusing on one portion of the scene while retaining sharp focus on a more distant background. The ultimate depth-of-field extension lens. To use, focus on the background, and then move in or out the slight distance required to focus on the foreground. With the proper choice of lens focal length and diopter strength, Split-Field lenses can produce a variety of fascinating scenes. Available in several diopter strengths.

Star-Effect Filter—Grid patterns etched onto optically clear glass yield long rays from small, intense light sources, producing a star effect. Spacing of the lines (1mm, 2mm, 3mm) influences brightness of the rays. The closer the lines (1mm), the brighter the star produced. The further apart the lines (3mm), the finer the lines of the star. Variations are also available in the number of points the stars contain (4 pt., 6 pt., 8 pt.).

Tiffen 812 Filter (⅓ stop)*
Corrects for the blue cast in your electronic flash pictures. A warm tone filter ideal for enhancing color in all ordinarily cool lighting situations. Ideal for outdoor shade and electronic flash and as an all around filter. Skin tones are pink-cheeked, fresh and lifelike; scenery comes alive with brilliant color and a golden radiance. 812 filter is available in all popular threaded filter sizes and in Series 9.

Tiffen Enhancing Filter #1 Didymium—(2 stops)*
The Enhancing Filter #1 saturates reds, oranges, and yellows, with very little affect on whites, blues, and greens. May be used in conjunction with a polarizing filter for an even greater effect. Available in all popular threaded filter sizes and in Series 9.

*Approximate F stop increase for daylight panchromatic film.

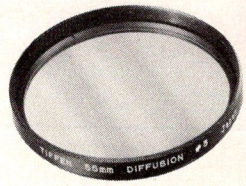
ACCESSORIES
Tiffen Filters

Buy 6, Save 10%

Calumet sells Tiffen filters because Tiffen offers the widest selection of professional grade filters available. Meticulous craftsmanship, constant inspection and highest quality materials combine to make Tiffen durable and dependable filters.
Tiffen filters are used by major motion picture studios and TV stations, and were even used by NASA for the lunar photographs.

Quantity Discount

Buy 6 Tiffen Standard Filters and save 10%. Filters may be assorted. Quantity discount does not apply to Tiffen Professional (TP) Filters, Lenshades, Filter Holders, Adapter Rings, Filter Accessories or special order filters.



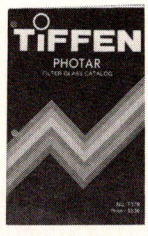
Prices subject to change without notice.

	49mm	52mm	55mm	58mm	62mm	67mm	72mm	77mm	Bay 60	Series 7	Series 8	Series 9
	$8.95	**$8.95**	**$9.95**	**$9.95**	**$14.95**	**$17.95**	**$22.95**	**$29.95**	**$34.95**	**$10.50**	**$13.50**	**$21.95**
Clear	TF49000	TF52000	TF55000	TF58000	TF62000	TF67000	TF72000	TF77000	TF60000	TF97000	TF98000	TF99000
1A Sky	TF49015	TF52015	TF55015	TF58015	TF62015	TF67015	TF72015	TF77015	TF60015	TF97015	TF98015	TF99015
UV 15	–	–	–	–	–	–	–	–	–	TF97005	TF98005	TF99005
UV 16	TF49006	TF52006	TF55006	TF58006	TF62006	TF67006	TF72006	TF77006	TF60006	TF97006	TF98006	TF99006
UV 17	TF49007	TF52007	TF55007	TF58007	TF62007	TF67007	TF72007	TF77007	TF60007	TF97007	TF98007	TF99007
UV Haze 1	TF49010	TF52010	TF55010	TF58010	TF62010	TF67010	TF72010	TF77010	TF60010	TF97010	TF98010	TF99010
UV Haze 2A	TF49011	TF52011	TF55011	TF58011	TF62011	TF67011	TF72011	TF77011	TF60011	TF97011	TF98011	TF99011
6 Lt. Yellow	TF49206	TF52206	TF55206	TF58206	TF62206	TF67206	TF72206	TF77206	TF60206	TF97206	TF98206	TF99206
8 Yellow	TF49215	TF52215	TF55215	TF58215	TF62215	TF67215	TF72215	TF77215	TF60215	TF97215	TF98215	TF99215
9 Deep Yellow	TF49220	TF52220	TF55220	TF58220	TF62220	TF67220	TF72220	TF77220	TF60220	TF97220	TF98220	TF99220
11 Lt. Green	TF49222	TF52222	TF55222	TF58222	TF62222	TF67222	TF72222	TF77222	TF60222	TF97222	TF98222	TF99222
12 Yellow	TF49224	TF52224	TF55224	TF58224	TF62224	TF67224	TF72224	TF77224	TF60224	TF97224	TF98224	TF99224
13 Deep Green	TF49225	TF52225	TF55225	TF58225	TF62225	TF67225	TF72225	TF77225	TF60225	TF97225	TF98225	TF99225
15 Yellow-Orange	TF49227	TF52227	TF55227	TF58227	TF62227	TF67227	TF72227	TF77227	TF60227	TF97227	TF98227	TF99227
16 Lt. Orange	TF49230	TF52230	TF55230	TF58230	TF62230	TF67230	TF72230	TF77230	TF60230	TF97230	TF98230	TF99230
21 Orange	TF49236	TF52236	TF55236	TF58236	TF62236	TF67236	TF72236	TF77236	TF60236	TF97236	TF98236	TF99236
23A Lt. Red	TF49260	TF52260	TF55260	TF58260	TF62260	TF67260	TF72260	TF77260	TF60260	TF97260	TF98260	TF99260
25 Red	TF49266	TF52266	TF55266	TF58266	TF62266	TF67266	TF72266	TF77266	TF60266	TF97266	TF98266	TF99266
29 Deep Red	TF49270	TF52270	TF55270	TF58270	TF62270	TF67270	TF72270	TF77270	TF60270	TF97270	TF98270	TF99270
47 Blue	TF49520	TF52520	TF55520	TF58520	TF62520	TF67520	TF72520	TF77520	TF60520	TF97520	TF98520	TF99520
47B Blue	TF49525	TF52525	TF55525	TF58525	TF62525	TF67525	TF72525	TF77525	TF60525	TF97525	TF98525	TF99525
56 Lt. Green	TF49536	TF52536	TF55536	TF58536	TF62536	TF67536	TF72536	TF77536	TF60536	TF97536	TF98536	TF99536
58 Green	TF49540	TF52540	TF55540	TF58540	TF62540	TF67540	TF72540	TF77540	TF60540	TF97540	TF98540	TF99540
61 Deep Green	TF49545	TF52545	TF55545	TF58545	TF62545	TF67545	TF72545	TF77545	TF60545	TF97545	TF98545	TF99545
80A 3200 to 5500°K	TF49132	TF52132	TF55132	TF58132	TF62132	TF67132	TF72132	TF77132	TF60132	TF97132	TF98132	TF99132
80B 3400 to 5500°K	TF49136	TF52136	TF55136	TF58136	TF62136	TF67136	TF72136	TF77136	TF60136	TF97136	TF98136	TF99136
80C 4200 to 5500°K	TF49139	TF52139	TF55139	TF58139	TF62139	TF67139	TF72139	TF77139	TF60139	TF97139	TF98139	TF99139
81 Warming –100°K	TF49103	TF52103	TF55103	TF58103	TF62103	TF67103	TF72103	TF77103	TF60103	TF97103	TF98103	TF99103
81A Warming –200°K	TF49106	TF52106	TF55106	TF58106	TF62106	TF67106	TF72106	TF77106	TF60106	TF97106	TF98106	TF99106
81B Warming –300°K	TF49108	TF52108	TF55108	TF58108	TF62108	TF67108	TF72108	TF77108	TF60108	TF97108	TF98108	TF99108
81C Warming –400°K	TF49111	TF52111	TF55111	TF58111	TF62111	TF67111	TF72111	TF77111	TF60111	TF97111	TF98111	TF99111
81D Warming –500°K	TF49112	TF52112	TF55112	TF58112	TF62112	TF67112	TF72112	TF77112	TF60112	TF97112	TF98112	TF99112
82 Cooler +100°K	TF49122	TF52122	TF55122	TF58122	TF62122	TF67122	TF72122	TF77122	TF60122	TF97122	TF98122	TF99122
82A Cooler +200°K	TF49124	TF52124	TF55124	TF58124	TF62124	TF67124	TF72124	TF77124	TF60124	TF97124	TF98124	TF99124
82B Cooler +300°K	TF49126	TF52126	TF55126	TF58126	TF62126	TF67126	TF72126	TF77126	TF60126	TF97126	TF98126	TF99126
82C Cooler +400°K	TF49128	TF52128	TF55128	TF58128	TF62128	TF67128	TF72128	TF77128	TF60128	TF97128	TF98128	TF99128
85 5500 to 3400°K	TF49150	TF52150	TF55150	TF58150	TF62150	TF67150	TF72150	TF77150	TF60150	TF97150	TF98150	TF99150
85B 5500 to 3200°K	TF49153	TF52153	TF55153	TF58153	TF62153	TF67153	TF72153	TF77153	TF60153	TF97153	TF98153	TF99153
85C 5500 to 3800°K	TF49156	TF52156	TF55156	TF58156	TF62156	TF67156	TF72156	TF77156	TF60156	TF97156	TF98156	TF99156
ND 0.3 1 Stop	TF49320	TF52320	TF55320	TF58320	TF62320	TF67320	TF72320	TF77320	TF60320	TF97320	TF98320	TF99320
ND 0.6 2 Stops	TF49323	TF52323	TF55323	TF58323	TF62323	TF67323	TF72323	TF77323	TF60323	TF97323	TF98323	TF99323
ND 0.9 3 Stops	TF49326	TF52326	TF55326	TF58326	TF62326	TF67326	TF72326	TF77326	TF60326	TF97326	TF98326	TF99326
	$19.95	**$21.95**	**$26.95**	**$31.95**	–	–	–	–	–	**$27.95**	**$38.95**	–
87 Infrared	TF49549	TF52549	TF55549	TF58549	–	–	–	–	–	TF97549	TF98549	–
	$16.95	**$18.95**	**$19.95**	**$25.95**	**$29.95**	**$38.95**	**$45.95**	**$54.95**	–	**$19.95**	**$35.95**	**$37.95**
FL-B	TF49505	TF52505	TF55505	TF58505	TF62505	TF67505	TF72505	TF77505	–	TF97505	TF98505	TF99505
FL-D	TF49510	TF52510	TF55510	TF58510	TF62510	TF67510	TF72510	TF77510	–	TF97510	TF98510	TF99510

ACCESSORIES
Domke Filter File
Calumet Wrap

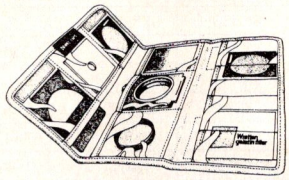
	49mm	52mm	55mm	58mm	62mm	67mm	72mm	77mm	Bay 60	Series 7	Series 8	Series 9
	$13.95	$13.95	$14.95	$15.95	$19.95	$25.95	$27.95	$31.95	$59.95	$13.95	$19.95	$38.95
Linear Polarizer	TF49053	TF52053	TF55053	TF58053	TF62053	TF67053	TF72053	TF77053	TF60053	TF97053	TF98053	TF99053
	—	$33.95	$38.95	$41.95	$55.95	$60.95	$70.95	—	—	—	—	—
Circular Polarizer	—	TF52055	TF55055	TF58055	TF62055	TF67055	TF72055	—	—	—	—	—
	$15.95	$16.95	$16.95	$19.95	$22.95	$28.95	$34.95	—	—	—	—	—
Thin Mount Polarizer*	TF49050	TF52050	TF55050	TF58050	TF62050	TF67050	TF72050	—	—	—	—	—
	$21.95	$24.95	$29.95	$32.95	$44.95	$59.95	$62.95	—	—	—	—	—
Close Up Lens Set (124)	TF49348	TF52348	TF55348	TF58348	TF62348	TF67348	TF72348	—	—	—	—	—
	$11.95	$11.95	$12.95	$15.95	$17.95	$21.95	$26.95	$29.95	—	$13.95	$18.95	$37.95
Fog Effect #1	TF49444	TF52444	TF55444	TF58444	TF62444	TF67444	TF72444	TF77444	—	TF97444	TF98444	TF99444
Fog Effect #2	TF49445	TF52445	TF55445	TF58445	TF62445	TF67445	TF72445	TF77445	—	TF97445	TF98445	TF99445
Fog Effect #3	TF49446	TF52446	TF55446	TF58446	TF62446	TF67446	TF72446	TF77446	—	TF97446	TF98446	TF99446
Diffusion #1	TF49430	TF52430	TF55430	TF58430	TF62430	TF67430	TF72430	TF77430	—	TF97430	TF98430	TF99430
Diffusion #2	TF49431	TF52431	TF55431	TF58431	TF62431	TF67431	TF72431	TF77431	—	TF97431	TF98431	TF99431
Diffusion #3	TF49432	TF52432	TF55432	TF58432	TF62432	TF67432	TF72432	TF77432	—	TF97432	TF98432	TF99432
	$10.95	$10.95	$11.50	$12.95	$14.95	$16.95	$24.95	$33.95	—	$18.95	$22.95	—
Center Spot	TF49300	TF52300	TF55300	TF58300	TF62300	TF67300	TF72300	TF77300	—	—	—	—
Split Field #1	TF49335	TF52335	TF55335	TF58335	—	—	—	—	—	TF97335	TF98335	—
Split Field #2	TF49336	TF52336	TF55336	TF58336	TF62336	TF67336	TF72336	TF77336	—	TF97336	TF98336	—
Split Field #3	TF49337	TF52337	TF55337	TF58337	—	—	—	—	—	TF97337	TF98337	—
	$13.95	$15.95	$14.95	$16.95	$26.95	$30.95	$40.95	$52.95	—	$13.95	$19.50	$34.95
4 Pt. Star 1mm	TF49390	TF52390	TF55390	TF58390	—	—	—	—	—	TF97390	TF98390	TF99390
4 Pt. Star 2mm	TF49391	TF52391	TF55391	TF58391	TF62391	TF67391	TF72391	TF77391	—	TF97391	TF98391	TF99391
Sepia 2	TF49492	TF52492	TF55492	TF58492	TF62492	TF67492	TF72492	TF77492	—	—	TF98492	—
Sepia 3 w/Lt. Fog	TF49493	TF52493	TF55493	TF58493	TF62493	TF67493	TF72493	TF77493	—	—	TF98493	—
Low Contrast 1	TF49495	TF52495	TF55495	TF58495	TF62495	TF67495	TF72495	TF77495	—	—	—	—
Low Contrast 2	TF49496	TF52496	TF55496	TF58496	TF62496	TF67496	TF72496	TF77496	—	—	—	—
Low Contrast 3	TF49497	TF52497	TF55497	TF58497	TF62497	TF67497	TF72497	TF77497	—	—	—	—
	$17.95	$18.95	$19.95	$23.95	$28.95	$33.95	$43.95	$56.95	—	—	—	—
6 Pt. Star 2mm	TF49395	TF52395	TF55395	TF58395	TF62395	TF67395	TF72395	TF77395	—	—	—	—
	$18.95	$20.95	$21.95	$26.95	$31.95	$36.95	$47.95	$62.95	—	—	—	—
8 Pt. Star 2mm	TF49397	TF52397	TF55397	TF58397	TF62397	TF67397	TF72397	TF77397	—	—	—	—
Softnet Diffusion	$14.50	$17.95	$20.95	$24.50	$28.95	$32.95	$37.95	$44.95	—	—	$21.95	$37.95
White #1 Density	TF49480	TF52480	TF55480	TF58480	TF62480	TF67480	TF72480	TF77480	—	—	—	—
White #2 Density	TF49481	TF52481	TF55481	TF58481	TF62481	TF67481	TF72481	TF77481	—	—	TF98481	TF99481
White #3 Density	TF49482	TF52482	TF55482	TF58482	TF62482	TF67482	TF72482	TF77482	—	—	TF98482	TF99482
Black #1 Density	TF49470	TF52470	TF55470	TF58470	TF62470	TF67470	TF72470	TF77470	—	—	—	—
Black #2 Density	TF49471	TF52471	TF55471	TF58471	TF62471	TF67471	TF72471	TF77471	—	—	TF98471	TF99471
Black #3 Density	TF49472	TF52472	TF55472	TF58472	TF62472	TF67472	TF72472	TF77472	—	—	TF98472	TF99472
Skin Tone #1 Density	TF49475	TF52475	TF55475	TF58475	TF62475	TF67475	TF72475	TF77475	—	—	—	—
Skin Tone #2 Density	TF49476	TF52476	TF55476	TF58476	TF62476	TF67476	TF72476	TF77476	—	—	TF98476	TF99476
Skin Tone #3 Density	TF49477	TF52477	TF55477	TF58477	TF62477	TF67477	TF72477	TF77477	—	—	TF98477	TF99477
	$10.95	$11.95	$11.95	$13.50	$16.95	$23.95	$28.95	$34.95	$31.95	$9.95	$13.50	$21.95
812	TF49310	TF52310	TF55310	TF58310	TF62310	TF67310	TF72310	TF77310	TF60310	TF97310	TF98310	TF99310
	$37.95	$37.95	$59.95	$59.95	$59.95	$59.95	$75.95	$75.95	—	—	—	$89.95
Enhancing #1	TF49305	TF52305	TF55305	TF58305	TF62305	TF67305	TF72305	TF77305	—	—	—	TF99305

*Designed for use with wide angle lenses to avoid vignetting.



Photar Filter Glass Catalog
Technical manual describing the characteristics of Tiffen Photar filter glass. The Deca Mired System and spectral transmittance curves of all Photar color filters.

TF7854 ..... **$3.50**

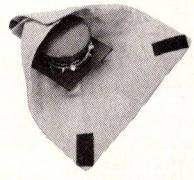


Domke Filter File
A slim, compact way to organize all your gels, large filters and plastic special effect filters. Accommodates all sizes including 72mm glass filters and 3" gels. Features 13 pockets and slots plus a special compartment for flash filters and lens cleaning tissue. Dimensions 5" x 12" folded, 15" x 12" open.

DK4000 ..... **$16.95**

9-Pocket Filter-File

DK4010 ..... **$16.95**



Calumet Wrap
The Lens Wrap offers storage and protection to your glass filters by simply screwing your same-size filters together and wrapping the Lens Wrap around them.

11" x 11" Lens Wrap

DK2030 ..... **$9.95**

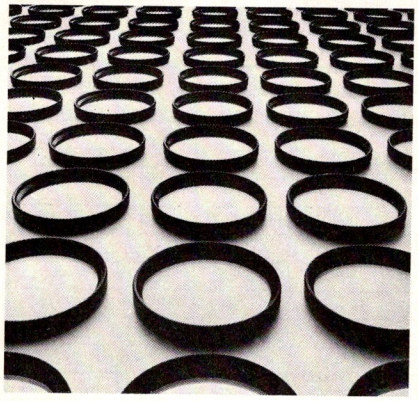
19" x 19" Lens Wrap

DK2035 ..... **$11.95**

ACCESSORIES
B + W Filters

Buy 3, Save 10%

Filters Worthy of the Finest Lenses



Calumet offers the world renowned B + W filter line. These filters are absolutely the finest available. B + W filters are manufactured in the style of the best optical lenses. Each filter is cut from raw cylinders of pure Schott/Mainz optical glass, the same glass used by the world's top lens manufacturers. The filter mounts are made of black anodized, solid brass. These high quality components combined with B + W's modern production technology and rigorous quality control, produce the flattest possible filters. This precision flatness (plano-parallelism) and B + W's high quality anti-reflection coating, which is applied to both sides of the filter, minimizes the possibility of image deterioration due to flare.

B + W Filters are not inexpensive, but neither were your lenses. If you want the best possible results from your investment in lenses, consider the B + W difference.

For a full color brochure on the B + W Filter line, please call or write.

	39mm	49mm	52mm	55mm	58mm	67mm	77mm
	$26.95	**$18.95**	**$19.95**	**$22.95**	**$24.95**	**$38.95**	**$59.95**
UV 010	BX39005	BX49005	BX52005	BX55005	BX58005	BX67005	BX77005
Sky KR1.5	BX39015	BX49015	BX52015	BX55015	BX58015	BX67015	BX77015
81C KR3	BX39110	BX49110	BX52110	BX55110	BX58110	BX67110	BX77110
81EF KR6	BX39113	BX49113	BX52113	BX55113	BX58113	BX67113	BX77113
85 KR12	BX39116	BX49116	BX52116	BX55116	BX58116	BX67116	BX77116
85B KR15	BX39120	BX49120	BX52120	BX55120	BX58120	BX67120	BX77120
82A KB1.5	BX39124	BX49124	BX52124	BX55124	BX58124	BX67124	BX77124
82C KB3	BX39128	BX49128	BX52128	BX55128	BX58128	BX67128	BX77128
80A KB20	BX39132	BX49132	BX52132	BX55132	BX58132	BX67132	BX77132
80B KB12	BX39136	BX49136	BX52136	BX55136	BX58136	BX67136	BX77136
80CD KB6	BX39140	BX49140	BX52140	BX55140	BX58140	BX67140	BX77140
Lt. Yellow 3-201	BX39210	BX49210	BX52210	BX55210	BX58210	BX67210	BX77210
Med. Yellow 8-022	BX39215	BX49215	BX52215	BX55215	BX58215	BX67215	BX77215
Drk. Yellow 9-023	BX39220	BX49220	BX52220	BX55220	BX58220	BX67220	BX77220
Yell. Orng. 16-040	BX39230	BX49230	BX52230	BX55230	BX58230	BX67230	BX77230
Red/Orng. 22-041	BX39240	BX49240	BX52240	BX55240	BX58240	BX67240	BX77240
Yell./Grn. 11-060	BX39250	BX49250	BX52250	BX55250	BX58250	BX67250	BX77250
Lt. Red 23A/090	BX39260	BX49260	BX52260	BX55260	BX58260	BX67260	BX77260
N.D. 2X-101	BX39320	BX49320	BX52320	BX55320	BX58320	BX67320	BX77320
N.D. 4X-102	BX39323	BX49323	BX52323	BX55323	BX58323	BX67323	BX77323
N.D. 8X-103	BX39326	BX49326	BX52326	BX55326	BX58326	BX67326	BX77326
		$39.95	**$42.95**	**$47.95**	**$49.95**	**$64.95**	**$87.95**
Linear Polarizer		BX49053	BX52053	BX55053	BX58053	BX67053	BX77053
	$93.95	**$91.95**	**$94.95**	**$108.95**	**$109.95**	**$141.95**	**$184.95**
Cir. Polarizer	BX39055	BX49055	BX52055	BX55055	BX58055	BX67055	BX77055
		$32.95	**$32.95**	**$37.95**	**$39.95**	**$48.95**	**$66.95**
Cross Scrn. 4		BX49380	BX52380	BX55380	BX58380	BX67380	BX77380
Cross Scrn. 6		BX49382	BX52382	BX55382	BX58382	BX67382	BX77382
Cross Scrn. 8		BX49384	BX52384	BX55384	BX58384	BX67384	BX77384
		$25.95	**$29.95**	**$32.95**	**$39.95**	**$44.95**	**$59.95**
Fog		BX49442	BX52442	BX55442	BX58442	BX67442	BX77442
		$22.95	**$22.95**	**$22.95**	**$26.95**	**$39.95**	**$59.95**
Soft Image		BX49460	BX52460	BX55460	BX58460	BX67460	BX77460
		$37.95	**$39.95**	**$41.95**	**$42.95**	**$47.95**	**$66.95**
FLD/499		BX49510	BX52510	BX55510	BX58510	BX67510	BX77510
		$39.95	**$39.95**	**$41.95**	**$51.95**	**$61.95**	**$79.95**
Double Sunny		BX49595	BX52595	BX55595	BX58595	BX67595	BX77595
	$26.95	**$18.95**	**$19.95**	**$22.95**	**$24.95**	**$38.95**	**$59.95**
Soft Focus 1-WZ1	BX39450	BX49450	BX52450	BX55450	BX58450	BX67450	BX77450
Soft Focus 2-WZ2	BX39454	BX49454	BX52454	BX55454	BX58454	BX67454	BX77454

B + W Filters for Color Film

In order to better determine the proper filter required for slight color corrections with color film, please refer to the following descriptions.

UV 010 – For general purpose use. Also improves color rendition and eliminates unsharpness caused by ultraviolet radiation.

KR1.5 Skylight (1A) – Reduces bluish casts due to high color temperature. Causes a slight increase in contrast.

KR3 (81C) – Slightly stronger skylight filter especially recommended under cloudless, deep blue skies.

KR6 (81EF) – Neutralizes excessive blue in extreme conditions, such as in the mountains.

KR12 (85) – Allows the use of tungsten balanced film in daylight or electronic flash.

KR15 (85B) – Slightly stronger than KR12 to allow the use of tungsten film in conditions such as mountains, where even daylight film would require a KR3 or 6.

KB1.5 (82A) – Reduces red casts which can occur when the sun stands close to the horizon. Also useful should you find the color rendition of a particular slide film too "warm."

KB3 (82C) – Medium correction filter against excessive red tones. Can be used with tungsten films under incandescent lamps such as 500 W flood lamps.

KB20 (80A) – Stronger correction against excessive red tones, such as neutralizing a sunrise or sunset.

KB12 (80B) – Allows the use of daylight film under artificial photo-flood lighting (3400°).

KB6 (80CD) – Eliminates the orange color cast of incandescent lights.

to order *call toll free*

1-800-CALUMET

1-800-225-8638

For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

in stock

AVAILABILITY

11,000 Professional Photographic Products.

Quantity Discount

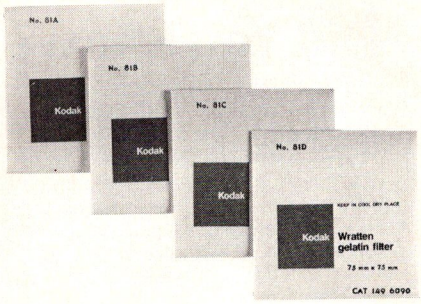
Buy 6 Gel Kodak Filters—Save 10%

(Filters may be assorted to qualify.)

Description	75 mm (3″) $10.95	100 mm (4″) $16.95
0 Colorless	KF1003	KF1004
1A Pale Pink (Skylight)	KF1007	KF1008
2A Pale Yellow UV 405 nm.	KF1111	KF1112
2B Pale Yellow UV 390 nm.	KF1115	KF1116
2C Pale Yellow UV 395 nm.	KF1119	KF1120
2E Pale Yellow UV	KF1123	KF1124
4 Yellow	KF1159	KF1160
6 Light Yellow	KF1163	KF1164
8 Yellow	KF1167	KF1168
11 Yellowish Green	KF1179	KF1180
12 Deep Yellow	KF1183	KF1184
13 Dark Yellowish Green	KF1187	KF1188
15 Deep Yellow	KF1191	KF1192
16 Yellow-Orange	KF1195	KF1196
22 Deep Orange	KF1206	KF1207
23A Light Red	KF1210	KF1211
24 Red	KF1214	KF1215
25 Red	KF1218	KF1219
29 Deep Red	KF1226	KF1227
30 Light Magenta	KF1251	KF1252
38 Light Blue	KF1283	KF1284
47 Blue	KF1315	KF1316
47B Deep Blue	KF1321	KF1322
58 Green	KF1379	KF1380
61 Deep Green	KF1394	KF1395
66 Very Light Green	KF1410	KF1411
80A 3200 to 5500°K	KF1459	KF1460
80B 3400 to 5500°K	KF1463	KF1464
80C 3800 to 5500°K	KF1467	KF1468
80D 4200 to 5500°K	KF1471	KF1472
81 Warming – 100°K	KF1474	KF1475
81A Warming – 200°K	KF1480	KF1481
81B Warming – 300°K	KF1483	KF1484
81C Warming – 400°K	KF1487	KF1488
81D Warming – 500°K	KF1491	KF1492
81EF Warming – 650°K	KF1495	KF1496

Description	75 mm (3″) $10.95	100 mm (4″) $16.95
82 Cooler +100°K	KF1499	KF1500
82A Cooler +200°K	KF1503	KF1504
82B Cooler +300°K	KF1507	KF1508
82C Cooler +400°K	KF1511	KF1512
85 5500 to 3400°K	KF1515	KF1516
85B 5500 to 3200°K	KF1531	KF1532
85C 5500 to 3800°K	KF1543	KF1544
87 Infrared	KF1563	KF1564
90 Monochrome Viewing	KF1587	KF1588
33 Magenta	KF1262	KF1264
CC025Y	KF3001	KF3002
CC05Y	KF3005	KF3006
CC10Y	KF3009	KF3010
CC20Y	KF3013	KF3014
CC30Y	KF3017	KF3018
CC40Y	KF3021	KF3022
CC50Y	KF3025	KF3026
CC025M	KF3051	KF3052
CC05M	KF3055	KF3056
CC10M	KF3059	KF3060
CC20M	KF3063	KF3064
CC30M	KF3067	KF3068
CC40M	KF3071	KF3072
CC50M	KF3075	KF3078
CC025C	KF3101	KF3102
CC05C	KF3105	KF3106
CC10C	KF3109	KF3110
CC20C	KF3113	KF3114
CC30C	KF3117	KF3118
CC40C	KF3121	KF3122
CC50C	KF3125	KF3126
CC025R	KF3201	KF3202
CC05R	KF3205	KF3206
CC10R	KF3209	KF3210
CC20R	KF3213	KF3214
CC30R	KF3217	KF3218
CC40R	KF3221	KF3222
CC50R	KF3225	KF3226
CC025G	KF3251	KF3252
CC05G	KF3255	KF3256
CC10G	KF3259	KF3260
CC20G	KF3263	KF3264
CC30G	KF3267	KF3268
CC40G	KF3271	KF3272
CC50G	KF3275	KF3276
CC025B	KF3301	KF3302
CC05B	KF3305	KF3306
CC10B	KF3309	KF3310
CC20B	KF3313	KF3314
CC30B	KF3317	KF3318
CC40B	KF3321	KF3322
CC50B	KF3325	KF3326

PLEASE NOTE: *Returns on gelatin filters will not be accepted once the seal is broken or the package is opened.*



Description	75 mm (3″) $22.00	100 mm (4″) $40.00
3 Light Yellow	KF1151	KF1152
9 Deep Yellow	KF1175	KF1176
21 Orange	KF1202	KF1203
26 Red	KF1222	KF1223
32 Magenta	KF1259	KF1260
34 Deep Violet	KF1267	KF1268
34A Violet	KF1271	KF1272
35 Purple	KF1275	KF1276
36 Dark Violet	KF1279	KF1280
38A Blue	KF1287	KF1288
40 Light Green	KF1291	KF1292
44 Light Blue-Green	KF1295	KF1296
44A Light Blue-Green	KF1299	KF1300
45 Blue-Green	KF1303	KF1304
47A Light Blue	KF1317	KF1318
49 Dark Blue	KF1333	KF1334
53 Green	KF1355	KF1356
54 Deep Green	KF1359	KF1360
56 Light Green	KF1367	KF1368
57 Green	KF1371	KF1372
59 Light Green	KF1383	KF1384
64 Light Blue-Green	KF1398	KF1399
65A Blue-Green	KF1406	KF1407

Description	75 mm (3″) $18.75	100 mm (4″) $33.50
96 ND 0.10	KF1701	KF1702
96 ND 0.20	KF1705	KF1706
96 ND 0.30 1 Stop	KF1709	KF1710
96 ND 0.40	KF1713	KF1714
96 ND 0.50	KF1717	KF1718
96 ND 0.60 2 Stop	KF1721	KF1722
96 ND 0.70	KF1725	KF1726
96 ND 0.80	KF1729	KF1730
96 ND 0.90 3 Stop	KF1734	KF1735
96 ND 1.00	KF1739	KF1740
96 ND 2.00	KF1743	KF1744
96 ND 3.00 10 Stop	KF1747	KF1748
96 ND 4.00	KF1751	KF1752

See page 77 for **Calumet's Xenophon Pro Gel Filter Holder,** for all large format lenses.

Prices are subject to change without notice.

Did You Know?

Step Up and Step Down Rings can save you money on filters. These rings may allow you to buy one size filter for two different size lenses. The only problem is how do you get the right adapter ring and is it a step up or step down? Step up rings are most often used because a larger than specified filter is used so as not to vignette.

A simple rule is: lens size first, filter size second. *Example:* You have a 150mm Caltar II lens which takes 58mm filters and a 90mm Caltar II which takes 67mm filters. You want to buy one polarizer for both lenses. You buy the larger size polarizer and also a 58 to 67mm step up ring. (58 is the lens, 67 is the filter). Beware when purchasing step down rings because the filter is smaller than the lens and may vignette.

Tiffen Series 7 Adapters *with Retaining Ring*

40.5F7	TF04097	$ 7.95
49M7	TF04977	$ 7.95
52M7	TF05277	$ 7.95
58M7	TF05887	$ 7.95

Tiffen Series 8 Adapters *with Retaining Ring*

40.5 F8	TF04098	$ 8.95
49M8	TF04978	$ 8.95
52M8	TF05278	$ 8.95
58M8	TF05888	$ 8.95
62M8	TF06288	$ 8.95
67M8	TF06778	$ 8.95

Tiffen Series 9 Adapters *with Retaining Ring*

62mm 9	TF06289	$25.95
67mm 9	TF06779	$23.95
72mm 9	TF07289	$23.95
86C 9	TF08689	$23.95

Tiffen "Series 60" Adapter Rings for Hasselblad CF Lenses

Hasselblad's CF Lenses require a 'Series 60' filter size and offer a limited selection of filters for this series. By using the Tiffen 'Series 60' adapter ring, Tiffen's complete line of series 8 and 67mm filters can be used on these new lenses.

60 Bay-Series 8 **TF06088** **$23.95**
60 Bay-67mm **TF16067** **$23.95**

Other sized step-up and step-down rings are available through Calumet. For more specific information or help in finding the proper adapter ring, call 1-800-CALUMET or write our Technical Sales Department for assistance.



Tiffen Step-Up Rings

49 to 52	TF14952	$ 4.95
49 to 55	TF14955	$ 4.95
49 to 58	TF14958	$ 4.95
49 to 62	TF14962	$ 6.50
49 to 67	TF14967	$13.95
49 to 72	TF14972	$13.95
49 to 77	TF14977	$13.95
52 to 55	TF15255	$ 4.95
52 to 57 Bay	TF15257	$10.95
52 to 58	TF15258	$ 4.95
52 to 62	TF15262	$ 6.50
52 to 67	TF15267	$13.95
52 to 72	TF15272	$13.95
52 to 77	TF15277	$13.95
55 to 57 Bay	TF15557	$10.95
55 to 58	TF15558	$ 4.95
55 to 62	TF15562	$ 6.50
55 to 67	TF15567	$13.95
55 to 72	TF15572	$13.95
55 to 77	TF15577	$13.95
58 to 62	TF15862	$ 6.50
58 to 67	TF15867	$13.95
58 to 72	TF15872	$13.95
58 to 77	TF15877	$13.95
62 to 67	TF16267	$13.95
62 to 72	TF16272	$13.95
62 to 77	TF16277	$13.95
67 to 72	TF16772	$13.95
67 to 77	TF16777	$13.95
72 to 77	TF17277	$13.95
Series 5 to 6	TF19596	$ 4.95
Series 6 to 7	TF19697	$ 4.95
Series 7 to 8	TF19798	$ 6.50
Series 8 to 9	TF19899	$11.95

Tiffen Step Down Rings

52 to 49	TF25249	$ 4.95
57 Bay* to 55	TF25755	$10.95
58 to 55	TF25855	$ 4.95
57 Bay* to 52	TF25752	$10.95
58 to 52	TF25852	$ 4.95

*For Series 50 Hasselblad Lenses.

Tiffen Standard Rubber Shade

49mm	TF00049	$ 4.95
52mm	TF00052	$ 4.95
55mm	TF00055	$ 4.95
58mm	TF00058	$ 6.95
62mm	TF00062	$ 6.95
67mm	TF00067	$ 6.95
72mm	TF00072	$ 7.95
77mm	TF00077	$ 9.95
Series 7	TF00097	$ 6.95
Series 8	TF00098	$ 7.95
Series 9	TF00099	$21.75

Tiffen Wide Angle Rubber Shade

49mm	TF00149	$ 7.95
52mm	TF00152	$ 7.95
55mm	TF00155	$ 7.95
58mm	TF00158	$ 9.95
62mm	TF00162	$ 9.95
67mm	TF00167	$10.95
72mm	TF00172	$11.95
77mm	TF00177	$12.95
Series 7	TF00197	$ 9.95
Series 8	TF00198	$10.95

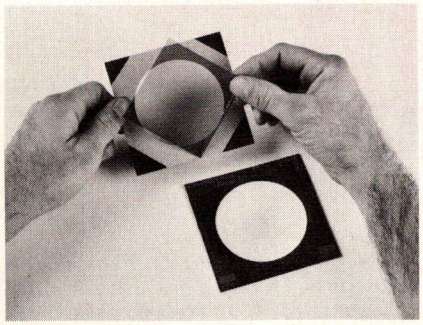
Tiffen Metal Lens Shades

49mm	TF00249	$ 4.95
52mm	TF00252	$ 5.95
55mm	TF00255	$ 5.95
58mm	TF00258	$ 5.95
62mm	TF00262	$ 6.95
67mm	TF00267	$ 7.95
72mm	TF00272	$ 8.95
77mm	TF00277	$11.95
Series 7	TF00297	$11.95
Series 8	TF00298	$17.95
Series 9	TF00299	$24.95
Series 9 W.A.	TF00399	$24.95

Filters for Larger Than Series 9

Many filters for large format lenses and other format lenses are oversized and larger than Series 9. Tiffen makes a tremendous number of filters in Series 4½", 138mm, 3" x 3", and 4" x 4" sizes. Filter selection ranges from all standard black and white film filters to a full assortment of warming and cooling filters for color films and includes a complete range of special effect filters such as split-field, diffusion, fog effect, vari-color, multi-image, softnet diffusion, and star filters. These filters require adapter rings, which are available in a wide variety of sizes, from 86mm to 122mm. Most of these "oversized" filters are available through Calumet. Call 1-800-CALUMET or write for more information.

Prices are subject to change without notice.



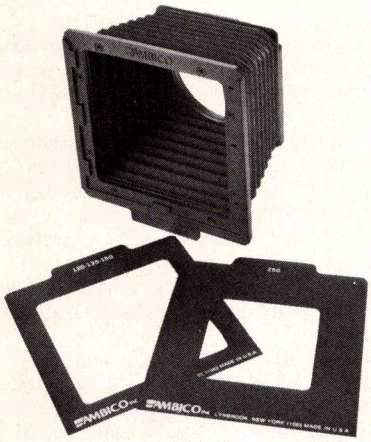
Calumet Filter Frames

The self-sealing cardboard filter frame is the ideal method of handling delicate gelatin filter. Space is provided for writing the filter type and factor. (Pack of 24)

4″ x 4″ filter frames for 4″ x 4″ gel filters.
CC9035 ..... **$15.95**

4″ x 4″ filter frames for 3″ x 3″ gel filters.
CC9036 ..... **$15.95**

3″ x 3″ filter frames for 3″ x 3″ gel filters.
CC9037 ..... **$15.95**



Shade+

A complete lens accessory system providing maximum freedom from glare and reflection plus complete image control for special effects. Accepts 3″ x 3″ gels. *Order lens adapter separately.*

Model I Shade for 35mm and 4.5 x 6cm cameras. **AM2510** **$41.95**

Model II Shade for 6 x 6 and 6 x 7 cameras excluding wide angle lenses.
AM2520 ..... **$59.95**

Adapters for Shade+

Sizes from 49mm thru 77mm plus series 8.
Specify size **$9.95**

Series 50 Hasselblad adapter
AM2645 ..... **$16.95**

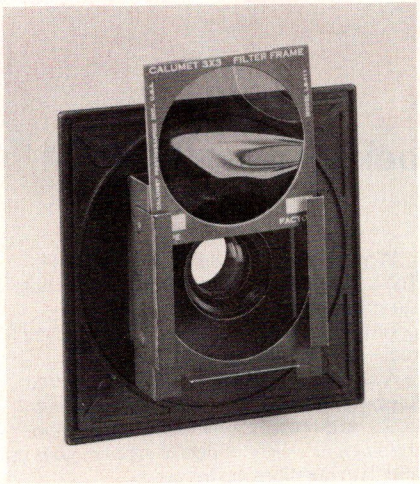
Series 60 Hasselblad adapter
AM2650 ..... **$20.95**

Vignette Set For Model I
AM2710 ..... **$13.95**

Vignette Set For Model II
AM2711 ..... **$13.95**

Montage Set For Model I
AM2750 ..... **$13.95**

Montage Set For Model II
AM2751 ..... **$13.95**



Xenophon Pro Gel Holder

A Calumet Exclusive!

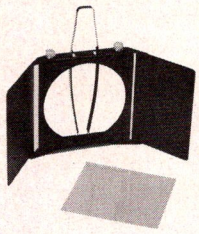
No other filter system offers more precise film balance and color control than gelatin filters. However, large format photographers have always faced the problem of attaching gels to their lenses, since no comprehensive mounting system existed, UNTIL NOW . . . Calumet, in cooperation with noted commercial photographer Xenophon (zen-o-fon) Beake, has finally solved this age-old problem in a very economical manner. The Xenophon Pro Gel Holder system offers universal, rear lens mounting for virtually ALL current large format lenses in a safe and professional fashion. Why rear mounting? Consider the following benefits:

- Gels are protected from fingerprints, dust and moisture
- Eliminates degrading reflections commonly caused by front mounting
- Uses economical 3″ gels on most lenses because rear elements are substantially smaller than the front
- Holder mounts quickly and permanently, leaving front threads free for polarizing and special effect filters
- Rear lens cap (included) offers added protection to rear lens elements

Note: Call your Calumet Technical Sales Representative to determine which Gel Holder fits your lenses.

Xenophon 3″ Pro Gel Holder
XB6500 ..... **$19.95**

Xenophon 4″ Pro Gel Holder
XB6505 ..... **$29.95**



Universal Gelatin Filter Holder

Easy to use. Snaps on all lenses from 20mm to 70mm. Accommodates 3 in. square gelatin filters plus filters or vignettes of your own design. Built-in barndoors for lens shading. **BG9000** **$25.95**



Leon Vignetter Kit

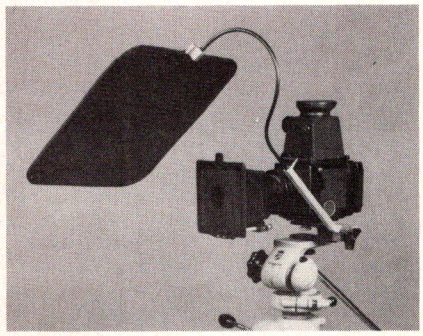
The Leon Vignetter Kit is a soft-focused, partial masking system that slides into Hasselblad, Mamiya, or the Ambico Shade + bellows lens shades. The kit consists of 4 brown and 4 translucent vignetters of various circular sizes. The brown vignetters gently blend background colors and "warm-up" the cool color of outdoor light. The translucent vignetters are for high key photography and can be tinted with various dyes and paints for other creative effects.
LA4190 ..... **$23.95**

Leon Vignetter Pro II Kit

Designed solely for low-key vignetting, this kit consists of 3 vignetter masks of layered fiberglass mesh, each with a different sized oval cutout, creating a more subtle light to dark transition. Specially designed magnetic attachment system allows placement of the vignette "hot spot" just about anywhere within the camera's framing. For use with existing bellows lens shades. Includes frame. Fits Hasselblad and Mamiya pro lens shades.
LA4195 ..... **$39.95**

Leon High Key Kit

Similar in design to the Pro II kit with the exception that the vignettes are translucent for high key effects only. 7 vignettes and frame included. Fits Hasselblad and Mamiya pro lens shades. **LA4196** **$44.95**



Leon Vignettasol

A special vignetting bracket that can add light or take away light when used with any of the Larson/Leon Vignetters. Goboflector attachment is silver on one side to illuminate high-key vignetters and black on the other side for low-key vignetting, and is attached by a flexible rod for maximum control. Mounts directly to tripod and does not have to be repositioned each time you move the camera. **LA4198** **$37.95**

FLASH FACTS

What to look for when buying a flash system.

Electronic flash has become the standard light source for most still photographic lighting situations. It has earned this position by offering a combination of high electrical efficiency, daylight color temperature, low heat generation, short effective exposures and the ability to easily ratio with ambient light sources.

Efficiency of electronic flash is much higher and heat production much lower than continuous lights because the flash is only "on" for a short period after the actual exposure during recycling. At other times, only the modeling lights, if used, draw any appreciable power. Regular tungsten lamps are on and drawing full power all the time.

With any light source, the primary consideration is light output. This is important to mention, because with electronic flash units, the stored energy or watt-second rating has become the "popular" method of comparing flash systems. However, watt-seconds do not necessarily equate to light output. Different flash units, depending on the design and quality of components employed, may produce greatly different amounts of light for the same rated stored energy. Think of it this way, a watt-second rating is equivalent to the amount of gasoline stored in the tank of a car. More gasoline does not necessarily mean higher speeds or greater distances traveled.

Why be so concerned about efficiency? The basic reason is that all films see light, not stored energy. Regardless of the type of photography being done, some level of light is required for proper exposure.

As with most other things, there is no free lunch when it comes to flash. All else being equal, as more light is needed, cost goes up, the size and weight of power supplies goes up and flash durations get longer.

But, not all else is equal. Efficiencies differ. Some flash units with lower watt-second ratings can produce as much light as others with higher ratings. Therefore, it is critical to evaluate ALL specifications based on equal LIGHT OUTPUT levels.

For example, consider three hypothetical flash units, the first, flash A, rated at 1500 watt-seconds; the second, flash B, rated at 1200 watt-seconds; the third, flash C, rated at 2400 watt-seconds. The specifications for each are as follows:

	Flash A	Flash B	Flash C
Watt-seconds	1500	1200	2400
Weight	24 lbs.	23 lbs.	28 lbs.
Recycle time	2 sec.	1 sec.	2 sec.
Flash duration	1/500	1/400	1/200
Guide number ASA 100	220	160	220
Price	**$1200**	**$1000**	**$1500**

Looking at the three units on the basis of watt-seconds, it would appear that either B or C are better than A. B is about the same cost per-watt-second as A with lighter weight, faster recycle and only slightly longer flash duration. C costs less per watt-second than A, has more watt-seconds per pound, has the same recycle time, but a longer flash duration.

However, now compare them on the basis of light output. A has a clear advantage over B, which in spite of its nearly equal power has only ONE HALF of the light output. A also has the same light output as C, which has almost twice the power. On a light basis, A is lighter, has the same recycle time, has a much shorter flash duration and COSTS LESS.

In photographic terms, high light output is most important in large format still life situations such as product photography. Unit A gives the same light output for less money and less power consumption than C and as much light as TWO B units.

In fashion or action photography, short flash duration and short recycle time are important. Unit A has a much shorter flash duration and the same recycle time as C for the same light output. Since unit A has twice the light output of unit B, it can operate at HALF POWER and have the same recycle time as B and a flash duration that is less than half of B.

In portable situations, weight and power draw are important. A has less weight and much less power draw than C for the same light output. Since you would need two of unit B to equal the light output of unit A, the double B combination weighs almost twice unit A and draws more power.

Who's the winner? For still life, A wins on the basis of light output per dollar. For fashion and action, A wins over C in the flash duration and cost areas. A also wins over B in the area of flash duration. For portable work, A wins over both B and C in both weight and power draw. It's absolutely clear, A, the more efficient costs less and performs better in every case.

Getting the light is only part of the story. Controlling the quality and distribution is also a major concern. Regardless of the type of work involved, a broad system of lights and accessories is needed to achieve the proper photographic effects. Umbrellas, spots, linear lights, mini lights and a host of other lights and accessories can make the difference between a great shot and a terribly difficult and time consuming drab shot.

When choosing a flash system, remember the most important criteria:

1. Measure all specifications including price against light output.
2. Look for a full range of lights and light control accessories.

CHIMERA TEST REPORT

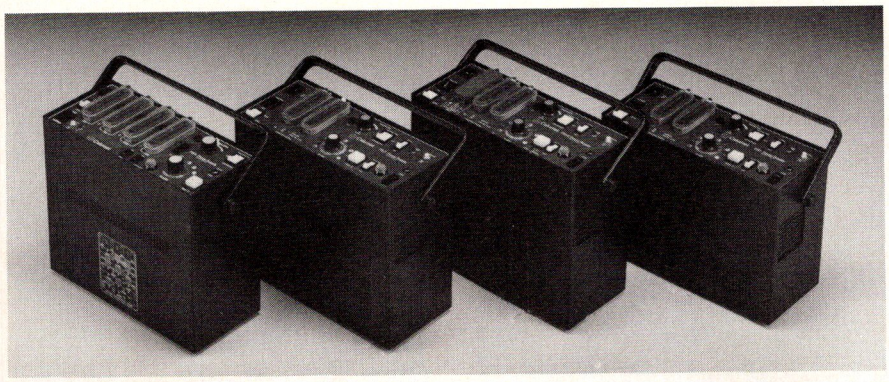
A True Measure of Flash Efficiency

In an effort to clarify the differences and similarities between the various flash systems offered in The Photographer's Catalog, we are featuring a new power pack comparison chart with each flash line. These charts were designed to give you, the consumer, a chance to compare "apples to apples," and decide for yourself which specifications are most important to your needs.

While measurements such as size, weight, recycle time and number of flash head outlets are given in universal terms, actual flash output is commonly ignored, and substituted with such ratings as "watt seconds," "bcps," "guide numbers" and "joules." Since this confuses rather than consoles the consumer, Calumet has decided to create a practical reference guide from which to compare the actual flash output of each power pack, and define it in universal, "photographic" terms - f/stops.

The criteria for comparative measurement was to set up each power pack with its standard head fitted to a Chimera Silver Medium Super Pro, and, using a Minolta Flash Meter IV set at ASA 100, take a flash reading from 10'.

Tests were conducted by Eileen Healy from Chimera Photographic Lighting Co., in our studio with randomly selected stock merchandise. While different size, type and brand of soft boxes or reflectors will yield varying results, the Chimera Silver Medium Super Pro "constant" will give you a good indication of flash output under "normal" studio shooting conditions.



Power Packed

Calumet offers four power packs: the PS1, PS1R, PS2 and the new PS4. Each pack provides the photographer with special features designed to address different needs and applications. It's these "choices", and the following features, that create universal appeal:

- Symmetrical/Asymmetrical Light Distribution – Calumet offers a choice of asymmetrical distribution, with the PS4, for finesse in setting lighting ratios, and raw power, evenly distributed with the symmetrical PS1 and PS2 packs.
- Conservative Power Ratings – When used with the efficient Calumet flash heads and actual flash output is measured "at the subject", the 3000w/s PS2 and PS4 packs compete with other popular 4800w/s packs, while the 1500w/s PS1 and PS1R models compare on par with the competition's 2400w/s models. (NOTE: For more discussion on this enlightening subject, see the previous page for **"The Chimera Test Report"**).
- Fast/Slow Recycling – Choose from fast recycling for fashion, action, etc., or slow recycling for situations where power draw is a concern, like on location shoots.
- Variable Power Output – Each pack provides adjustable power levels, from full to ¼ in half-stop (PS4) or quarter-stop (PS1, PS1R and PS2) increments. This convenient feature allows you to bracket flash exposures up to 2-f/stops without changing your camera's aperture.
- 100% Flash Output Guaranteed – Calumet power packs utilize a flash-lockout circuit, which prevents the flash from firing until the power level reaches 100%. Voltage stabilization offers consistent flash output.
- Modeling Lamp Control – Calumet power packs offer three modes of model lamp operation: continuous on, off during recycle (as a check of flash function), or continuous off. Light output is also continuously variable.
- Low Voltage Sync Circuits – All Calumet power packs feature two separate solid state sync outlets, which will trigger with a cord up to a mile long. Two outlets let you sync BOTH your camera and your flash meter.
- Safety First, Second, Third . . . Three primary protective measures have been taken to ensure the safety of the user and the life expectancy of the packs themselves. #1 is the use of true non-arcing head connectors. #2 is the built-in cooling fan and overheat sensing circuit with indicator. And #3 is an input circuit breaker designed to protect against overloads.

The PS4—Center of a Universal System

With its four flash outlets, highly efficient 3000 watt seconds with variable power output and assymetrical/symmetrical power distribution, the PS4 offers one of the widest ranges of ratioed flash distribution and power level options of any power pack on the market today. Its incredible output range makes the PS4 a truly universal high powered pack.

Consider the following PS4 exclusive specifications:

- 11 flash head distribution ratios
- 5-Step power level adjustment from full to ¼ power in half-stop increments.
- Up to 1200 watt modeling light potential for unquestionable focusing.

See the convenient chart below for the rest of the story . . .

CE2324 ..... **$1895.00**

The PS2 and PS1—Pure Power

The PS2 features two parallel flash outlets, 3000 watt seconds with variable output control up to two f/stops and fast/slow recycling. Its companion PS1 provides 1500 watt seconds and faster recycling times. Both packs also feature auto-head capacity sensors that protect against firing a flash head with too much power (i.e. at 1500w/s head at 3000w/s), and ratioed modeling lamp control. Packs include power and sync cords.

See the chart below for other pack-to-pack facts . . .

PS2 Power Pack (3000w/s)
CE2322 ..... **$1695.00**
PS1 Power Pack (1500w/s)
CE2320 ..... **$1195.00**

The PS1R—Rapid Firing Pack

Whether your forte is fashion or sequential scientific photography, you need the rapid recycling PS1R to keep up with your motor drive. Using the special fast-recycle outlet, you will receive a remarkable 2.5 flashes per second at 400 watt seconds.

CE2321 ..... **$1295.00**

Calumet PS1 Flash Package

Includes one Calumet PS1 Power Supply, two Standard Head 1's, two 9" Umbrella Reflectors, two Heavy Duty Light Stands and two 44" Umbrellas.
Total Package Price **$1895.00**

Calumet PS1R Flash Package

Includes one Calumet PS1R Power Supply, two Standard Head 1's, two 9" Umbrella Reflectors, two Heavy Duty Light Stands and two 44" Umbrellas.
Total Package Price **$1995.00**

Calumet PS2 Flash Package

Includes one Calumet PS2 Power Supply, two Standard Head 2's, two 9" Umbrella Reflectors, two Heavy Duty Light Stands and two 44" umbrellas.
Total Package Price **$2495.00**

Power Pack Tray

This accessory places the pack at working height on your light stand and is ideal for a boom setup. Two trays may be used back to back for two packs on the same stand.

CE1417 ..... **$31.95**

Caster Base and Monopod

The power pack caster base, along with a monopod stand, adds extra mobility to an umbrella or smaller diffusion box.

Caster Base
CE1415 ..... **$44.95**
Monopod Stand
CE1416 ..... **$54.95**
Light Boom Arm
MF3510 ..... **$69.95**

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size	Weight
PS1	1500w/s	16.8	2	Sym	2-Stop Range	2.0	20/15	13 11/16"x6 1/8"x10 1/4"	24.8 lbs.
PS2	3000w/s	22.7	2	Sym	2-Stop Range	4.5	21/16	13 11/16"x6 1/8"x11 15/16"	31.9 lbs.
PS1R	1500w/s	16.9	3	Sym	2-Stop Range	2.0 (.4**)	20/15	13 11/16"x6 1/8"x11 15/16"	30.7 lbs.
PS4	3000w/s	22.9	4	Sym/Asym	2-Stop Range	3.5	20/13.5	13 11/16"x6 1/8"x11 15/16"	34.75 lbs.

f/stop produced at 10' with head fitted with Chimera Silver Medium Super Pro. The ASA setting was 100. See page 78 for "Chimera Test Report."
***Recycle time at 400w/s, using special rapid fire outlet.*

Intelligent Head Selection

When it comes to flash head options, Calumet is head and shoulders above the competition. No other flash system on the market offers a better "Versatility: Value Ratio" than Calumet. With a choice of nine different flash heads and a full supporting cast of accessories, the photographer can adapt to any situation with the right light, be it quantity or quality. With a choice of four very special "specialty" heads, the photographer can produce original lighting effects with consistency and ease. In short, with the Calumet Flash System, the photographer now has the tools to perform more efficiently, AND to create more effectively.

Series-2 Standard Flash Head

This newest addition to the Calumet Flash Head Family blends compact design with high output efficiency to set new standards for our already elaborate system. These Series-2 heads are so efficient that they actually produce up to one f/stop greater output than similarly rated heads of other manufacturers. The 3000w/s, Series-2 Standard Head offers versatile modeling lamp output with a standard 250 watt quartz halogen lamp AND the option of using an illuminating 600 watt quartz halogen lamp. Other features include self-locking, bayonet-mount reflector system, adjustable mounting clamp for maximum stability, and unique head-joining capabilities



for forming large banks of light with up to four heads. Series-2 heads can be conveniently converted to accept the expansive line of Series-1 reflectors and accessories with a special adapter mount. The Series-2 head comes complete with flash tube, model lamp, protective metal cover, mounting bracket and 13' cable.
CE2353 ..... **$379.95**



3000w/s replacement Flash Tube for Series-2 Heads
CE2359 ..... **$139.95**

250 watt Replacement Model Lamp for Series-2 Heads
SY6060 ..... **$17.95**

600 watt quartz halogen modeling lamp for Series-2 Heads
WI1085 ..... **$19.95**

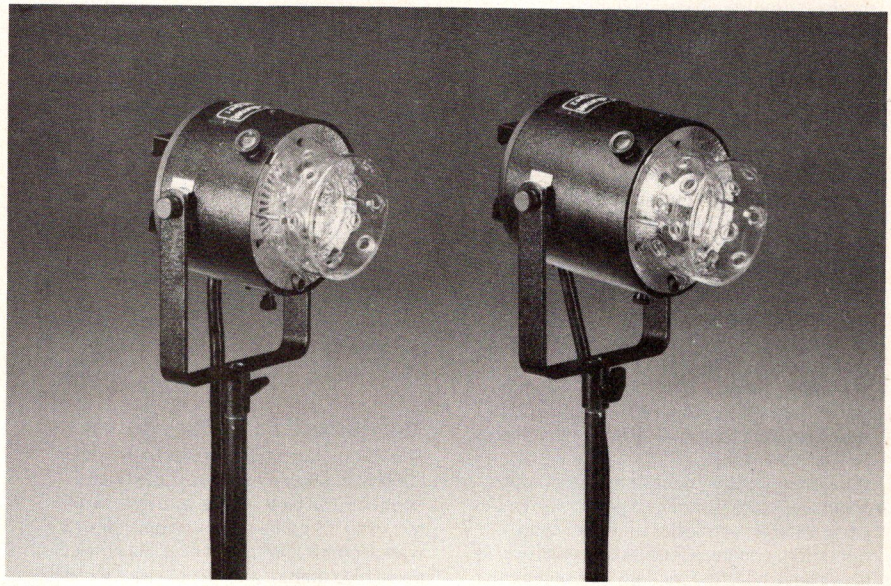
Series-1 Flash Heads

Choose from four highly efficient, fan-cooled heads that feature super-bright 600 watt quartz halogen modeling lamps and 6" integral reflectors, which produce at the same "one f/stop more" output level as the Series-2 heads. Available in 1500w/s and 3000w/s single flash tube models, and 3000w/s and 6000w/s bi-tube models, these heads are the ideal choice for soft box use because of their unprecedented modeling lamp output. Series-1 heads utilize an easily adjustable yoke mounting system which facilitates directional positioning and locks securely in place. Series-1 heads include user-replaceable, UV coated flash tubes, modeling lamps, protective metal cover, 3/8" umbrella mount, 5/8" stand mounts and 15' cables. Choose from a versatile line of light control accessories and reflectors.

Series-1 1500w/s Flash Head
Features a 1/550 sec. flash duration and a "Real World" f/stop* of f/22 with no reflector (f/32 w/standard 12" reflector).
CE2302 ..... **$299.95**

Series-1 3000w/s Flash Head
Features a 1/400 sec. flash duration and a "Real World" f/stop* of f/32 with no reflector (f/45 1/2 w/standard 12" reflector).
CE2323 ..... **$379.95**

Series-1 3000w/s Bi-Tube Flash Head
Features two 1500w/s tubes to produce a 1/476 sec. flash duration and a "Real World" f/stop* of f/22 2/3 with no reflector (f/45 1/3 w/standard 12" reflector).
CE2304 ..... **$449.95**



Series-1 6000w/s Bi-Tube Flash Head
Features two 3000w/s tubes to produce a 1/400 sec. flash duration and a "Real World" f/stop* of f/32 2/3 with no reflector (f/64 1/3 w/standard 12" reflector).
CE2340 ..... **$549.95**

1500w/s Replacement Flash Tube for Series-1 Heads
CE2346 ..... **$99.95**

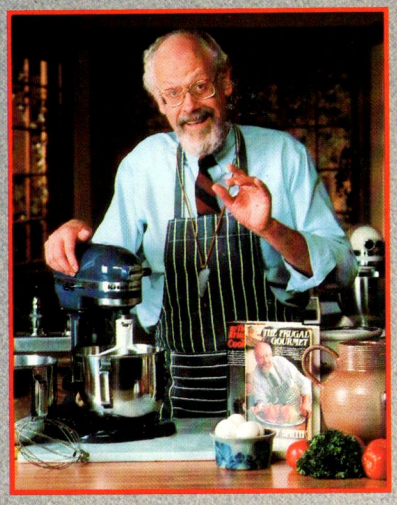
3000w/s Replacement Flash Tube for Series-1 Heads
CE2347 ..... **$119.95**

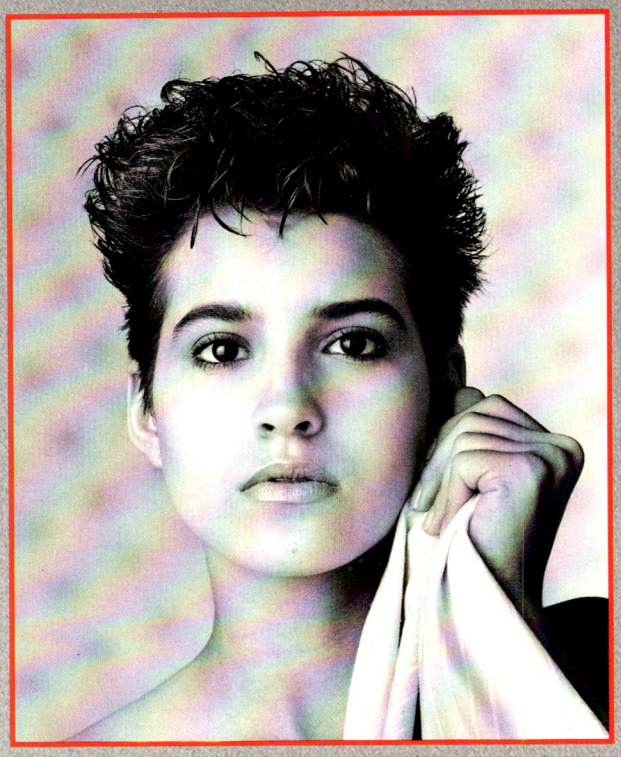
600 watt Replacement Model Lamp for Series-1 Heads
SY3063 ..... **$24.95**

*Real World f/stop
To provide a practical reference, all Calumet flash heads were measured at 10' for ASA 100 in our own studio under normal shooting conditions.

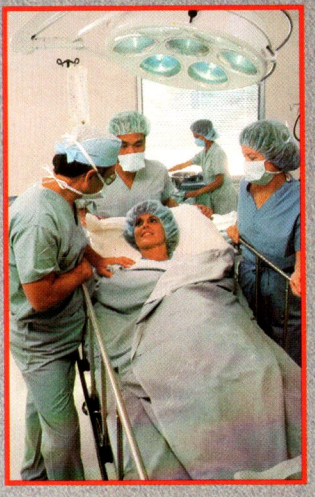
The Calumet Studio Flash System

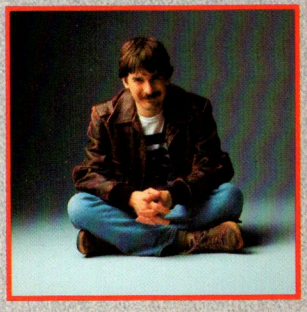
European Flexibility With American Sense













What do you need in a studio flash system? European flash manufacturers think you need lots of options, a choice of flash heads, a flock of reflectors, a gaggle of grids and a bevy of barndoors. If you need it, they've got it. The sky's the limit. And, more than likely, that's where you'll find the price tag for such a system — just beyond Cloud #9!

American flash manufacturers, on the other hand, don't put much stock in finesse, but are more concerned with plenty of power, rugged dependability and non-extravagant value. Most American power packs are built like brick s___houses, and their heads come in three different sizes: powerful, more powerful and most powerful.

Calumet knows the necessity of versatility AND value, and has designed its flash system to give you the best of both worlds. Calumet provides a wide variety of power packs, flash heads, reflectors and accessories, soft boxes and a great rail system — all designed with the intention of keeping the photographer in complete control of his or her studio, and well within his or her budget.

A Truly Universal System

And what "type" of photography is the Calumet Flash System best suited for? To be perfectly honest, we feel that our system is versatile enough to solve just about ANY photographic situation.

- **Products and Table Tops** — Situations which traditionally require lots of power for sufficient depth of field, and the ability to fine-tune flash head or soft box placement.

  CALUMET SOLUTION — Our PS2 and PS4 power packs pack the necessary punch, our Luxilite Soft Boxes produce a lovely, even illumination, and our Glide Rail System makes it all a breeze to control.
- **Portraits** — Be they run of the mill, or daringly dramatic, the portraitist requires ratioed flash output and multi-light flexibility.

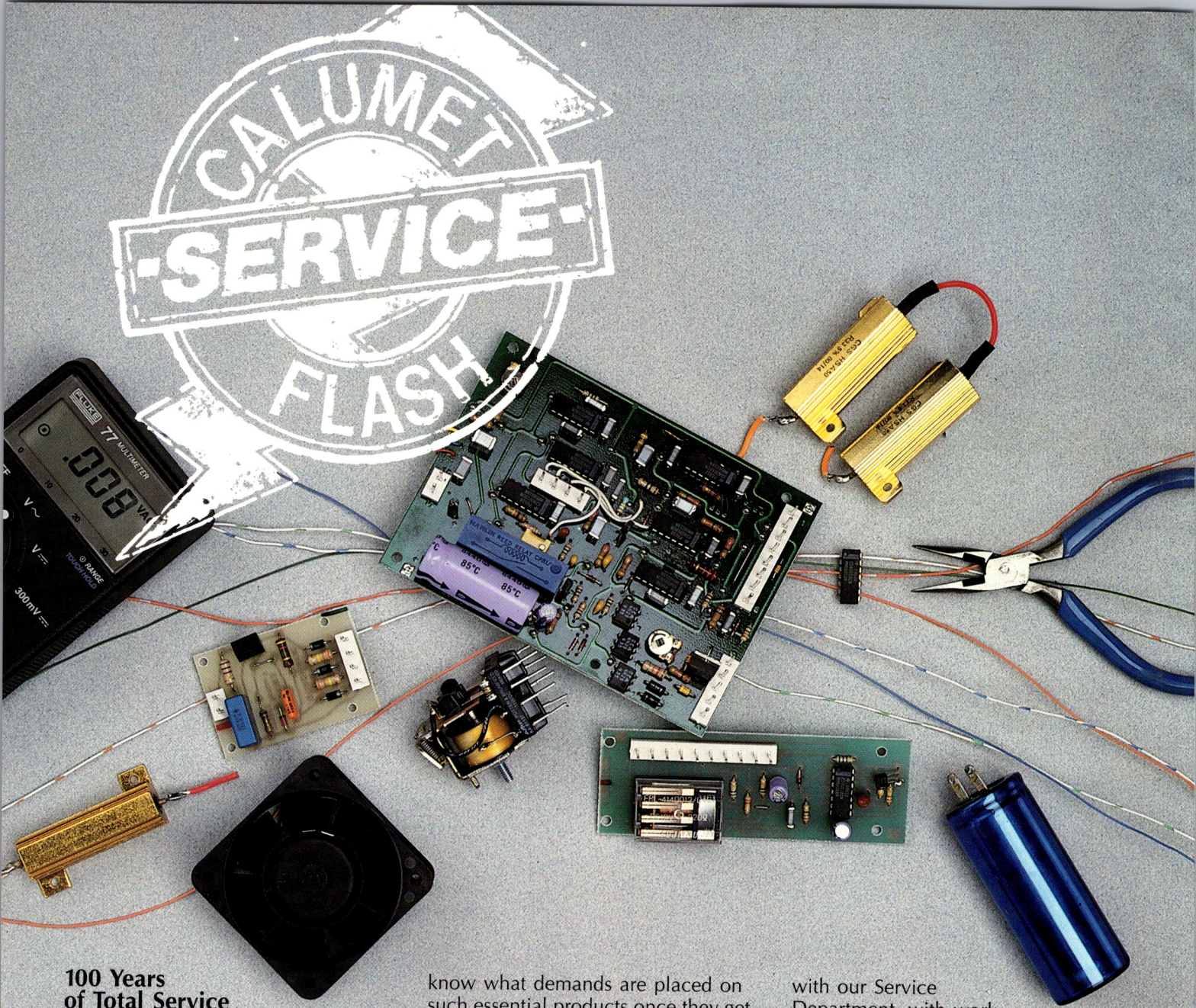
  CALUMET SOLUTION: The new, assymmetrical PS4, with four head outlets, and Calumet's Series-2 Standard Head, with its versatile selection of reflectors, grids, louvered square-lites, soft boxes and umbrellas. More affects are available from our focusing Spot-lite and Gobo Set, and our Circular Flash Head.
- **Architectural Interiors** — It can take a ton of watt seconds to fill up and illuminate an interior. And your average 150 watt modeling lamp doesn't even come close to shedding light on what your flash will fill.

  CALUMET SOLUTION: Calumet's choice of two 3000w/s power packs — PS2 and PS4 — gives you the option of either symmetrical or assymmetrical output, and our 600 watt model lights actually give you an indication of the quality of fill you're getting — even in daylight. Our Linear Head is a great broad light and our Pencil Lite offers bare bulb illumination for a wide range of unique applications.
- **Fashion Photography** — This fast paced specialty requires fast recycling and lots of light control options.

  CALUMET SOLUTION: Our rapid firing PS1R power pack will keep up with most motor drives, and our specialty flash heads and accessories have our competition trying to keep up with us. For dramatic flair we offer the focusing Spot-Lite, snoots, grids, louvers, barndoors and a versatile selection of reflectors. For a softer, sensuous touch, try our Luxilites, soft boxes, square-lites and umbrellas.

All photographs on this page were taken by Chicago photographer, Art Wise. With over 15 years of professional experience, Wise has had opportunities to photograph a wide range of subjects, and has mastered each with intelligent lighting control. Wise received his MS Degree in Photography from the Institute of Design at IIT.

Photographs appear courtesy of Jeff Smith, "The Frugal Gourmet"; The Chef's Catalog; Grant Hospital, Chicago, IL; Elite Model Management; Harvey's Antiques, Evanston, IL and Paul DeTapa Design.



100 Years of Total Service

Calumet's Service Department has logged over 100 total years of experience in manufacturing, service and repairing Calumet products, and is proud to be associated with this newest generation of studio strobe equipment. Extensive planning, research and testing was necessary in preparation for the servicing of such an extensive system, which includes a selection of four power supplies and nine different flash heads.

System design engineer Keith Wraight spent a week of intensive, individualized training with each of our service technicians, making sure they knew each component inside and out, backwards and forwards. All of this to insure that a dependable and consistent product is sent to you.

Because of Calumet's history as a manufacturer of flash equipment, we know what demands are placed on such essential products once they get into the hands of a busy studio photographer. Of these demands, two seem to be of primary importance: dependability and consistency.

It is because of these two concerns that our Service Department bench-tests each and every Calumet power pack. No pack is shipped unless it passes a stringent, 23 point checklist—with flying colors.

All controls are checked, voltage is verified, outlets are tested, and all variables are validated with state-of-the-art test instruments and meters. Then, and only then, the units are accepted into stock. From that point, they are ready to be shipped with confidence and a full two-year warranty.

#1 Priority

In-warranty Calumet Flash System repairs are the number-one priority with our Service Department, with work performed on a first come, first serve basis. In cases of extreme urgency, 24-hour service is available upon request.

Repaired equipment is returned to the customer by the same means which it is received (i.e. UPS, Federal Express, etc.).

Phone First

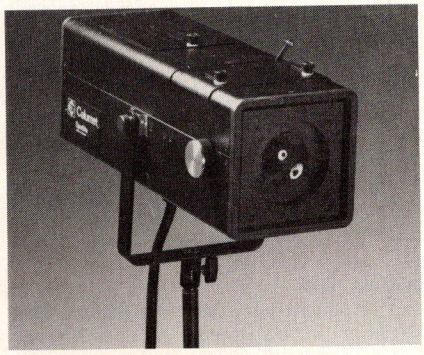
When you buy any new sophisticated electronic equipment, there are sometimes questions which will come up regarding its operation. It is comforting to know that qualified assistance is close at hand.

If you do encounter any questions with your Calumet Flash, feel free to call and speak with one of our Service Technicians. In many cases they will be able to walk you through your situation over the phone.

Calumet Photographic, Inc. 890 Supreme Drive, Bensenville, IL 60106 1-800-CALUMET (225-8638)

Calumet Flash System Special Application Heads

One of the many features that separates the Calumet Flash System from the competition is its incredibly wide selection of "light control accessories." The following group of special application heads are totally unique to Calumet's system and are ultimately responsible for the system's universal, professional appeal. While a system's "standard" flash heads may offer substance, it's "special" heads like these that offer character, depth, personality, and unprecedented control. And, again, when you consider Calumet's "Versatility: Value" ratio, it's even easier to see why we stand alone, heads above the rest.



Spot-Lite Flash Head

There is perhaps no better special-effect head, with as much power, for as little investment than the focusing Spot-Lite! With its 18-blade adjustable iris and its optical glass lens, the Spot-Lite can be used to project a narrow beam onto a subject, or project patterns and colors onto a background – with up to 3000w/s of power. One of the most powerful spotlights on the market! The Spot-lite will adjust down to project a 7" round circle at a distance of 10'. Additional masks, grids, gobos and gels can be placed in the accessory drawer for more creative control and special lighting effects. Choose from the Spot-lite Gobo Holder Set, listed below, the many Rosco special effect disks or make your own. The Calumet Spot-lite offers literally unlimited lighting possibilities. Other features include a 15' cable, a 3000w/s, double-spiral quartz flash tube with a flash duration of 1/357 sec. at 6350° Kelvin and a "Real World" f/stop* of f/22 with spot sharply focused. Mounts to any 3/8" stand with an adjustable yoke which can be locked into position.

CE2332 ..... **$799.95**

100 watt Replacement Model Lamp for Spot-lite

CE1846 ..... **$22.95**

Spot-Lite Accessory

Spot-Lite Gobo Holder Set

This special effects spot accessory set includes six stainless steel gobos and five color gels. Also works with Bogen Monospot.

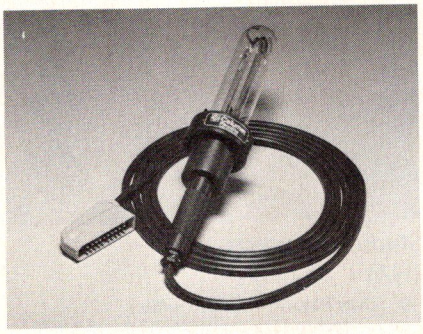
CE1055 ..... **$99.95**



Circular Flash Head

This 3000w/s "ring light" produces plenty of power, yet retains all the dimensional form of the subject and lights to a penetrating depth. It comes with a tube baffle, reflector and opal diffuser for subtle changes in the lighting effect. The Circular Head comes complete with a universal camera mounting bracket which will accept a wide choice of cameras and lenses. It also features two 11' cables, 2 semi-circular UV coated tubes, a flash duration of 1/833 sec. at 5500° Kelvin and a "Real World" f/stop* of f/22 ½ with reflector *(f/11⅔ with reflector and baffle, and f/22 ⅓ with the diffuser).*

CE2308 ..... **$549.95**



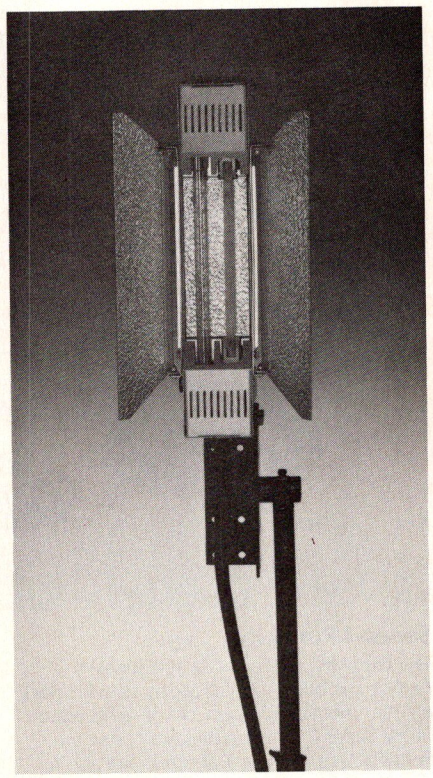
Pencil-Lite Flash Head

The ultimate in bare tube flash, the Pencil-Lite features a 1500w/s, UV coated, 6" hairpin flash tube housed in a pyrex glass cover. Because of its small, compact size, it is ideal to "fill" areas otherwise too confined for normal heads. Make lamps come to "color-balanced" life in interior shots with this easily concealed head. The Pencil-Lite produces a flash duration of 1/317 sec. at 5600° Kelvin and a "Real World" f/stop* of f/11 ½. Comes with 15' cable and an insulated, protective cover.

CE2309 ..... **$239.95**

Rosco Special Effect Disks

Rosco offers over 300 different special effect disks for the Calumet Spot-Lite. Call for a free copy of their exciting catalog. Also see page 117 for a complete selection of Rosco color gels and other lighting filter accessories.



Linear Head

This unique 3000w/s "broad light" strobe head offers a full array of important applications, from architectural interiors to on-set studio fill. Its 7½" straight-line flash tube, super-bright 625 watt model lamp, slender design and optional cooling fan, which plugs directly into the head *(No separate AC line!)* make the Linear Head a perfect choice as a light source for homemade soft boxes, or enclosed light control panels. A unique, "reversible" barndoor/reflector accessory kit provides directional spill control or efficient reflective punch. Its multipurpose stand bracket offers plenty of mounting options with eight ¼-20 sockets. Two Linear Heads can be mounted together for bright banks of light. The Linear Head features a 15' cable, a 1/500 sec. flash duration at 5650° Kelvin and a "Real World" f/stop* of f/22 ⅓ without reflectors. *(Shown above with optional barndoor/reflector kit.)*

CE2335 ..... **$349.95**

625 watt Replacement Model Lamp for Linear Head

CE2344 ..... **$34.95**

Linear Head Accessories

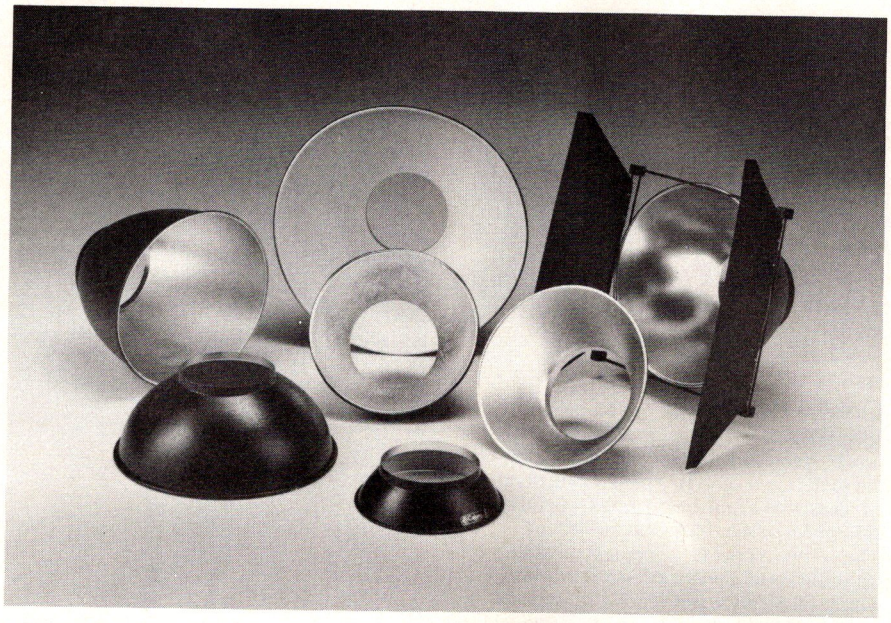
2-Way Barndoor Kit

CE2336 ..... **$29.95**

Linear Head Fan

CE2343 ..... **$59.95**

*"Real World" f Stop
To provide an accurate reference the measurement is made at 10 ft. for ASA 100 in our own studio under normal shooting conditions.



Series-1 Reflectors

The following reflectors for the Series-1 regular and bi-tube heads are made with black exterior metal finish. Each can be adapted to fit the Series-2 standard heads by using the Series-2 Adapter Ring. Reflectors will also fit directly to Bowens Monolites.

Size	Style	Angle	Number	Price
9″	Umbrella	-	CE1807	$14.95
9″	Wide	60°	CE1803	$28.95
12″	Standard	50°	CE1801	$27.95
13″	Deep Even	50°	CE1802	$49.95
14″	Concentrating	40°	CE1856	$46.95
14″	Flood	65°	CE1804	$29.95
18″	Soft Flood	75°	CE1805	$54.95

Series-2 Adapter Ring

With this adapter, all Series-1 reflectors, snoots, soft boxes and square-lites can be mounted to the new Series-2 standard flash head.

CE1890 ..... **$21.95**

Grids for Series-1 Standard Reflectors

These 12″ diameter grids mount directly to the front of the Series-1 standard reflector.

¼″ Grid **CE1857** **$64.95**
⅜″ Grid **CE1858** **$64.95**

Barn Doors

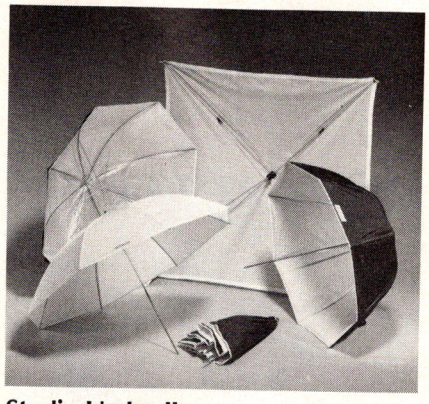
All metal construction mounted on frame with nylon runners which provide 360° rotation.

For 11″ and 12″ reflectors	CE1811	$29.95
For 14″ reflector size	CE1812	$37.95
For 18″ reflector size	CE1813	$52.95

Multi-Clip Gel Holder

Holds gels to any reflector.

BW5410 ..... **$5.95**



Studio Umbrellas (w/5/16″ Shafts)

40″ Silver Parabolic (eight sides)
Double layered for maximum reflected light. Interior surface is silver the outer is black.
CE1815 ..... **$34.95**

40″ White Parabolic (eight sides)
Single layer fabric for either shoot through or reflected use.
CE1816 ..... **$27.95**

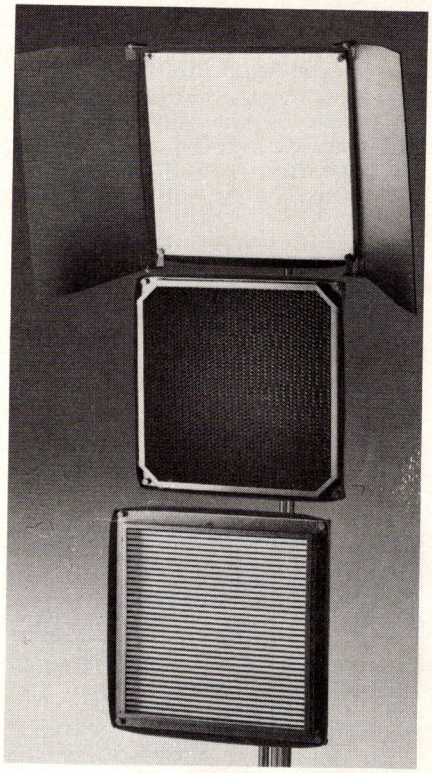
40″ White/Silver Parabolic (eight sides)
Double layer with with white interior backed with silver. Black outer cover.
CE1817 ..... **$44.95**

32″ Deep Control (eight sides)
Double layer - white inner with black outer with deep bowl construction for controlled spread of light.
CE1828 ..... **$49.95**

43″ Silver Square
CE3300 ..... **$44.95**

43″ White Square
CE3303 ..... **$44.95**

*Real World f/stop was determined from a meter reading taken at 10′ from flash head, meter set at ASA 100 and power pack at full power.



Square-Lite

This 20″ square box, designed to fit all Series-1 heads, or can be adapted to fit Series-2 heads, can be used to soften light or provide directional control. Comes complete with plastic opalescent and fabric diffusers, and detachable 2-way barn doors. Diffusers can be used independently or combined for varied effects. Other optional accessories are listed below. The Square-Lite produces a color temperature of 5250° K., and a "Real World" f/stop* of f/32 with opal diffuser and Series-1 3000w/s head (f/22 ⅔ with fabric diffuser).

CE1809 ..... **$129.95**

Square-Lite Grid

When added to the Square-Lite, this attachment gives a concentrated light similar to a diffused spot but without "side spill".

CE1832 ..... **$79.95**

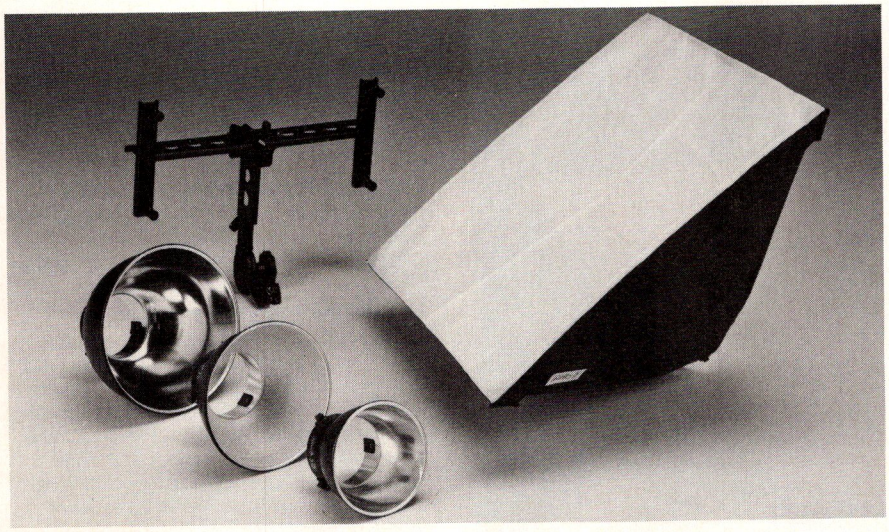
Square-Lite Slat

This attachment incorporates parallel slats to control light spread either left and right or up and down, depending on its orientation. The full 1″ width of the slats gives the unit exceptional directional control.

CE1833 ..... **$69.95**

to order call toll free
1-800-CALUMET
1-800-225-8638

need it YESTERDAY?
Special 24-hour delivery available. Call for details.



Series-2 Reflectors and Accessories

Designed to fit the new Series-2 standard flash head. (Note: These accessories cannot be used with the Series-1 heads.)

Series-2 6″ Umbrella Reflector
CE1885 ..... **$17.95**

Series-2 9½″ Standard Reflector
CE1886 ..... **$31.95**

Series-2 8″ Wide Reflector
CE1887 ..... **$27.95**

Series-2 Snoot **CE1888** **$34.95**

Series-2 24″ Soft Box
CE1889 ..... **$99.95**

Series-2 4-Head Bracket - makes it possible to mount up to four Series-2 heads together as one, large light bank.
CE1893 ..... **$109.95**

¼″ Grid* **CE1857** **$64.95**

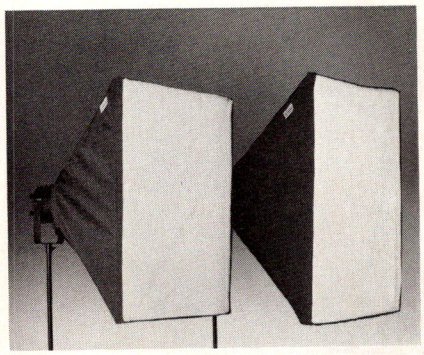
⅜″ Grid* **CE1858** **$64.95**

** For use on 9½″ Reflector (CE1886).*



Series-2 4-Head Umbrella

This super-sized 60″ white umbrella was designed to provide high-powered umbrella quality reflected light with up to four Series-2 heads. Its shaft is 48″ long and mounts to any heavy duty light stand with the Series-2 4-Head Bracket (CE1893) listed above. Ideal for large products or group portraits.
CE1818 ..... **$139.95**

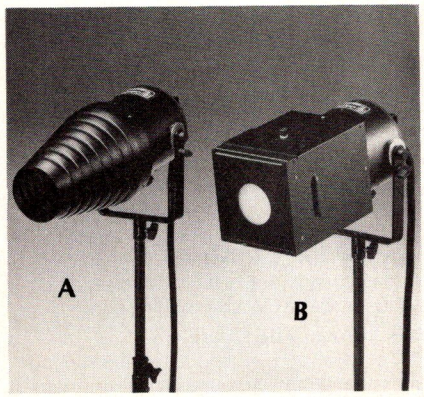


Soft Boxes

Calumet offers two moderate sized soft boxes which attach to any of the Series-1 heads. Both models are well made with heavy duty fabrics and dismantle easily for location work Calumet soft boxes also feature ¼x20″ screw sockets in all four corners so that other diffusion materials may be attached. (Can be adapted to series-2 heads.)

40″ Square Soft Box
Features bright silver interior for maximum light output and a removable interior baffle. Produces a color temperture of 5050° K., and a "Real World" f/stop* of f/22 with baffle and Series-1 3000w/s head.
CE1836 ..... **$129.95**

36″ Square Soft Box
Features a soft satin interior and removable baffle for a diffused, even light output. Produces a color temperature of 5000° K., and a "Real World" f/stop* of f/16½ with baffle and Series-1 3000w/s head
CE1838 ..... **$119.95**



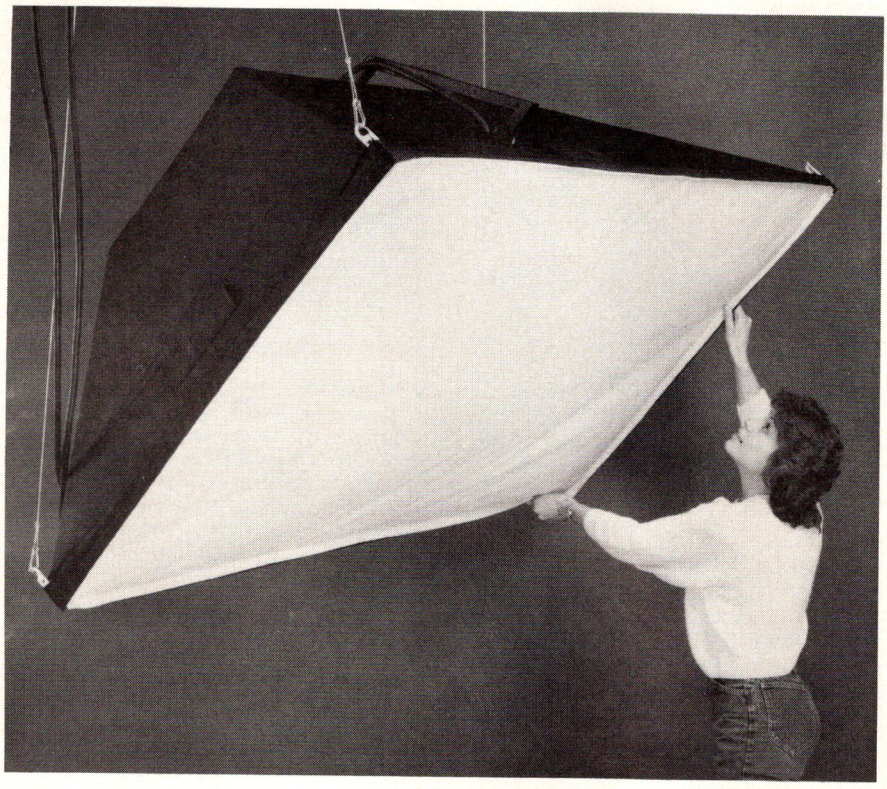
Snoot 4″ (A) Series-1

Attaches to all Series-1 heads. (Not for continuous modeling lamp use)
CE1808 ..... **$31.95**

Grid Snoot (B)

Simple, but very versatile accessory for all Series-1 heads. The spot effect grid effectively controls "side spill". Gels, diffusers, and masks may be used in the built-in holder. A diffuser panel and a 3″ circular hole mask are included. (Not for continuous modeling lamp use)
CE1834 ..... **$57.95**

Prices are subject to change without notice.



Calumet Luxilites

These super-sized soft boxes, with self-contained light sources, produce a gentle, even illumination large enough to cover a broad range of studio subjects, from small tabletop products, mid-sized sets to individual and group portraits. Luxilites are not only versatile, but powerful, easily adjustable and, perhaps most important, dependable.

Versatile Light Control

The Luxilite 2x1 (40" x 80") and the Luxilite 2x2 (80" x 80") can be suspended directly from the ceiling or, for maximum control, used in conjunction with the Calumet Glide Rail System. The 2x1 model can also be mounted to a boom support and a heavy duty stand. No matter how you use them, their efficient output and quality of light is guaranteed to please even the most demanding pros.

Built-In Bounce-Back Flash

Part of the magic behind the Luxilites superior performance can be found in the light source. Each unit features the compact and efficient Calumet Linear Flash Heads (two in the 2x1 and four in the 2x2) which are mounted in an indirect, bounce-back manner. Each Linear Head produces 3000 w/s capacity and features a 625 watt modeling lamp. That's 12000 w/s and 2500 watts of modeling from the 2x2, and that's a lot of power and something you can REALLY focus on! As an extra bonus, the Linear Heads can be easily removed from the Luxilites and used independently as "broad" main or fill lights *(see page 81 for Linear Head description).*

Quality Light/Quality Construction

An essence of superb, even illumination is created by the Luxilites' intelligent design. Their interiors are lined with a textured silver reflective surface to maximize light output. The front panel is a soft, translucent white which is removable for easy access to the flash heads or to increase contrast and efficiency. Temperature inside of the box is kept under control with a built-in cooling fan and louvered air vents on each side. Fans blow air into the box and out thru louvered air vents. This positive internal air pressure also keeps the front of the box tight and wrinkle-free.

Luxilites feature a sturdy, metal skeletal frame with built-in corner lugs for ceiling mounting. The fabric shell fits snuggly over the frame and velcros quickly into position. Fabric is lined on the outside in textured, non-reflective opaque black.

All Things Considered . . .

When you compare the Luxilites' size, output (both quantity AND quality) and flexibility to other soft box sources on the market, you will see very quickly that, dollar for dollar, there's not a better bargain to be had ANYWHERE!

Luxilite 2x1

This 40" x 80" soft box lighting unit comes complete with two Linear Heads, giving it a 6000w/s capacity and 1250 watts of modeling light. It produces a color temperature of 5700° Kelvin and a "Real World" f/stop* of f/32⅔ with two PS2 power packs.

CE2338 ..... **$995.00**

Luxilite 2x2

This 80" x 80" soft box lighting unit comes complete with four Linear Heads, giving it a 12000w/s capacity and 2500 watts of modeling light. It produces a color temperature of 5500° Kelvin and a "Real World" f/stop* of f/45⅔ with four PS2 power packs.

CE2341 ..... **$1995.00**

*"Real World" f Stop
To provide an accurate reference the measurement is made at 10 ft. for ASA 100 in our own studio under normal shooting conditions.

Luxilite Boom Support (2x1 only)

Boom arm is 6 ft. long. Twenty lbs. of counter-weight are recommended.

CE2334 ..... **$99.95**

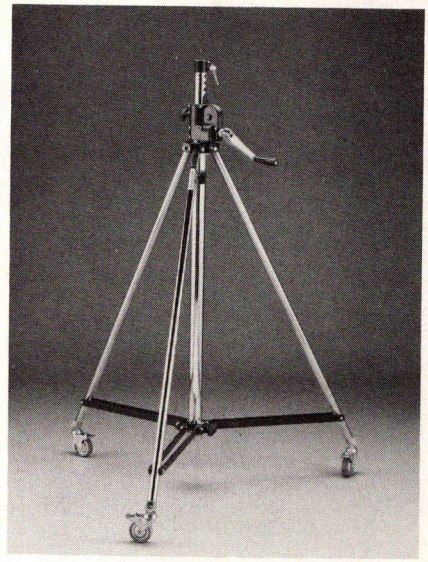
Luxilite Rail Suspension Kits

These kits contain the hardware required to mount either of the Luxilites to a Calumet Rail System. Motorized or manual lift systems are available and provide critical and convenient angle and height adjustments – from parallel to perpendicular to the subject, and from ceiling to ground level. Accurate positioning of a large softbox has never been easier or more precise.

Luxilite 2x1 rail suspension kit.
CE2647 ..... **$299.95**

Luxilite 2x2 rail suspension kit.
CE2668 ..... **$389.95**

Luxilite 2x2 motorized rail kit.
CE2667 ..... **$1195.00**



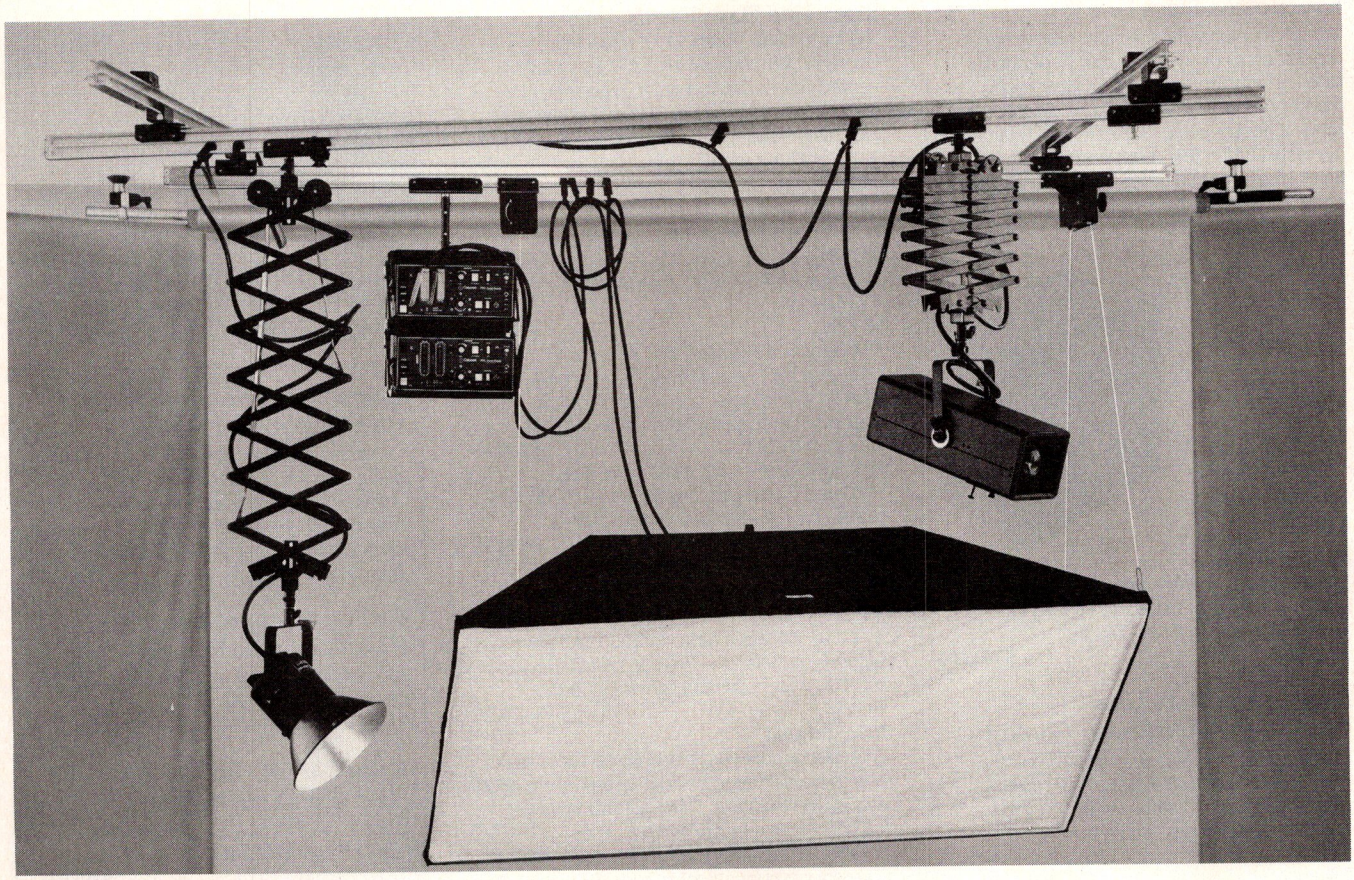
Heavy Duty Wind-Up Stand

Provides a heavy duty crank to raise and lower the boom assembly. Supplied with large locking casters. Ideal for Luxilite 2 x 1.

MF3660 ..... **$329.95**

COMPETITIVE PRICES

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.



The Calumet Glide Rail System

Efficient • Versatile • Economical

Efficient

Nothing could be more efficient for studio operation than a flexible lighting system suspended from the ceiling! Think about it . . . Eliminate the studio clutter associated with bulky light stands, unruly "trip" cords and cables, and perilous power packs with the Calumet Glide Rail System. No more moving booms, stands and sandbags around, balancing heads and soft boxes, and hoping none of it falls over in the process.

This amazingly mobile track set offers unlimited and precise lighting placement that is quick and easy. Flash heads and soft boxes glide smoothly into position at your guidance and can be locked exactly where you want them to stay. Slight adjustments in angle, location or height are almost effortless. Position your power pack at arm's length away from where you are working and save yourself steps, backaches and precious time. Whether you are setting up your shot or making minor lighting adjustments or striking the set, the Glide Rail System saves you time. Increased productivity and profits are guaranteed!

Versatile

At the heart of the Calumet Glide Rail System are specially extruded aluminum rail sections, with deep guide channels which allow you to smoothly slide your lights and power packs all over the ceiling.

The same rail sections are used for both the fixed ceiling runner and the moveable suspended rails. Four 10' rails allow lighting heads and power packs to be positioned anywhere within an area of 10' x 14'. For larger areas, 15' rail sections are available, or sections can be joined together. These rugged rails are designed to prevent any twisting or lateral swing of the suspended lights.

Lightlift Kits allow unlimited light height adjustment between 13¼" and 72" from the rails. Simply pull the unit down, aim and it stays put!

Adjustable "compensator springs" can be set to counterbalance up to 22 lbs., and additional springs can increase capacity to 44 lbs. – more than enough to sufficiently handle any flash head and virtually any soft box.

The ideal soft light sources available for the Glide Rail System are the Calumet Luxilites *(pictured above)*. When mounted with the Luxilite Rail Suspension Kits, these super-sized soft boxes provide unparalleled convenience and flexibility in lighting control.

Economical

The real beauty of the Calumet Glide Rail System is that you can buy exactly what you need today, and still have "system flexibility" to meet your expanding needs of the future.

And – this may surprise you – when compared to outfitting a studio with a full array of quality light stands and booms, the Calumet Glide Rail System offers an economical alternative, *PLUS* provides a versatile edge over the classic cluttered studio.

And easy as one, two, three . . .

Just to give you an idea of how easy and economical the Glide Rail System really is, consider the following:

To assemble a system which would easily cover a 10' x 14' shooting area and provide unlimited placement of two flash heads, your cost would be under $1000! When compared to the fact that two heavy-duty booms alone cost over $600, you really come out on top in the long run with the Glide Rail System. And, once your basic rail system is up and running, it's easy to add additional light and power pack supports to meet your expanding needs.

To order a Calumet Glide Rail System to meet your specific needs, call 1-800-CALUMET (225-8638) and speak with one of our Technical Sales Representatives. They know the system and are willing to take the time to make sure you know what you need.

Speedotron Black Line

This professional flash system has earned a reputation as one of the most dependable, safe and efficient studio flash systems on the market today. With its versatile selection of ratioed power packs, reliable flash heads and accessory reflectors, grids and barndoors, the Black Line system has become a very popular choice among commercial studio photographers.

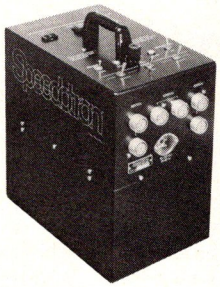


Black Line Power Packs Speedotron 4803 Power Pack

State-of-the-art technology has made it possible to pack 4800 watt-seconds into the same size housing as the 2403.
SB1050 ..... **$1995.00**

Speedotron Black Line Remote Variable Power Control

This remote control device allows you the convenience of flash exposure bracketing from the camera position with either the #2403 or #4803 power packs.
SB1250 ..... **$49.95**



Speedotron 2403B Power Pack

This 2400 watt-second power pack features a new, three f-stop range variable power control. Allowing power to be selected in accurate, repeatable one-third f-stop increments while maintaining desired ratios over the entire range.
SB1024 ..... **$1479.95**
2401B Power Pack.
SB1021 ..... **$1299.95**
1201A Power Pack.
SB1010 ..... **$949.95**
812 Power Pack.
SB1001 ..... **$679.95**

Black Line Flash Heads

102 Light Unit—with 11½" reflector.
Universal light head with 3200 w/s plug-in-vented flash tube and quiet, high-efficiency cooling fan. 250 watt quartz modeling lamp included. **SB1102** **$289.95**
102 Light Unit with 7" reflector.
SB1105 ..... **$284.95**
102 Light Unit and 11½" reflector. w/U.V. coated flash tube
SB1101 ..... **$299.95**
102 Light Unit w/U.V. coated flash tube and 7" reflector.
SB1106 ..... **$299.95**
103 Light Unit—with 11½" reflector.
Universal light head with 2400 w/s plug-in flash tube and quiet convection cooling. 150 watt quartz modeling lamp included. 20' cable. **SB1103** **$269.95**
104 Light Unit—with 11½" reflector.
Universal Quad light unit with four 1200 w/s plug-in type flash tubes and forced-air cooling **SB1104** **$599.95**
106 Light Unit—with 11½" reflector
This 5000 w/s light unit is designed to handle fast firing rates, even at full power. At 4800 w/s, the 106 has a flash duration of 1/250 seconds (at 2400 ws: 1/425 sec.). Cable length is 20'. 250 watt modeling light included.
SB1110 ..... **$419.95**
105 Light Unit
This special purpose light unit will allow 9600 w/s to be delivered by four 2400 or two 4800 w/s power supplies. Flash durations range from 1/1000 sec. (2400w/s) to 1/435 sec. (9600w/s). Includes four 20 ft. power cables, accessory mounting collar and 250 watt modeling lamp.
SB1107 ..... **$859.95**

Black Line Replacement Flash Tubes and Model Lights
MW3Q flashtube, 1200w/s (for 104 head)
SB1602 ..... **$81.95**
MW8QV flashtube, 3200w/s (for 102 head)
SB1605 ..... **$107.95**
MWQVC UV flashtube (for 102 Head)
SB1607 ..... **$124.95**
MW9Q flashtube, 2400w/s (for 103 head)
SB1612 ..... **$99.95**
MW24Q flashtube (for 105 head)
SB1635 ..... **$149.95**
150w quartz modeling lamp (for 103 head)
SY4011 ..... **$21.95**
250w quartz modeling lamp (for 102 and 104 heads)
SY4060 ..... **$21.95**
Flashtube protective cover (for all Universal heads) **SB1460** **$16.95**



Calumet/Speedotron 2403B Flash/Umbrella Package

Includes one Speedotron 2403B power pack, two 102 Flash Heads w/7" reflectors, one 102 Flash Head w/11" reflector, three Calumet Heavy Duty Light Stands and two Calumet 44" Umbrellas.
Total Package Price **$2495.00**

Calumet/Speedotron 2401B Flash/Umbrella Package

Same as 2303 but with Speedotron 2401B Power Pack **(SB1020)**
Total Package Price **$2325.00**

Calumet/Speedotron 1201A Flash/Umbrella Package

Same as 2403, but with Speedotron 1201A Power Pack **(SB1010)**
Total Package Price **$1995.00**

Calumet/Speedotron 812 Flash/Umbrella Package

Same as 2403 but with Speedotron 812 Power Pack **(SB1001)**
Total Package Price **$1725.00**

Heavy Duty Flash Tubes

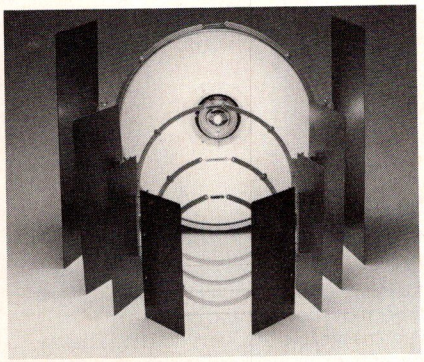
MW3Q H.D. - for 104 head (rated 2400 w/s)
SB1604 ..... **$99.95**
MW 8 QV H.D. - for 102 head (rated 4000 w/s)
SB1608 ..... **$125.95**
MW 9 Q H.D. - for 103 head (rated 3200 w/s)
SB1614 ..... **$125.95**

Black Line Reflectors
7" **SB1207** **$18.95**
7" (flat black) **SB1208** **$19.95**
11½" **SB1211** **$21.95**
16" **SB1216** **$26.95**
20" **SB1220** **$35.95**
7" 45° for 102 Head. **SB1225** **$21.95**

Miscellaneous Black Line Accessories
Universal Snoot for 7" reflector (2½" opening) **SB1451** **$18.95**

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size	Weight
812	800w/s	f/11.4	4	Sym/Asym	Combined/Isolate	.6	20/15	9"x11"x6½"	17 lbs.
1201A	1200w/s	f/16.0	4	Sym/Asym	Combined/Isolate	1.0	20/15	8¾"x12"x14¼"	23 lbs.
2401B	2400w/s	f/16.8	6	Sym/Asym	Combined/Isolate	2.0	20/10	8¾"x11½"x13¾"	25 lbs.
2403B	2400w/s	f/16.9	6	Sym/Asym	4-Stop Range	2.0	20/10	8¾"x11½"x13¾"	28 lbs.
4803	4800w/s	f/32.1	6	Sym/Asym	4-Stop Range	4.0	24/12	8¾"x13¾"x14¼"	43 lbs.

**f/stop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ASA setting was 100. See page 78 for "Chimera Test Report."*



Black and Brown Line Accessories

Barn Doors

For 5½" reflector **SB3465** **$24.95**
for 7" reflector **SB1307** **$24.95**
For 8½" reflector **SB3470** **$27.95**
for 11½" reflector **SB1311** **$33.95**
for 16" reflector **SB1316** **$46.95**

Mylar Clip-on Diffusers

7" **SB1407** **$7.95**
8½" **SB1409** **$7.95**
11½" **SB1411** **$11.95**
16" **SB1416** **$15.95**
20" **SB1420** **$17.95**

Brown Line Reflectors for M11 and M11Q

7" Universal **SB3407** **$18.95**
11½" Universal **SB3411** **$21.95**
16" Universal **SB3416** **$26.95**
20" Universal **SB3420** **$35.95**

Speedotron Gel Holders

5½" Gel holder **SB1469** **$9.95**
8½" Gel holder **SB1470** **$9.95**
7" Gel holder **SB1471** **$9.95**
11½" Gel holder **SB1472** **$14.95**
16" Gel holder **SB1473** **$19.95**
20" Gel holder **SB1474** **$19.95**

Speedotron Cases

Omni Case—Measures 35" x 12" x 14", and is rigidly constructed of polyethylene.
SB1510 ..... **$99.95**

Multi Case—Same capacity as Omni case, but built sturdier. **SB1520** **$257.95**

Transit Case—For 1201A, 2401A, 1211, or 2451 packs only **SB1500** **$159.95**

Transit Case—For 2304B
SB1505 ..... **$159.95**

Slave tripper
Wein Micro Slave – household type
BR8910 ..... **$21.95**

Speedotron Brown Line

Speedotron Brown Line offers dependable and versatile lighting at surprisingly affordable prices. Ideally suited for small studios, portrait and wedding specialists.

Brown Line Lighting Systems

DM402-3 Light Flash System
Includes D402 power supply, 2-M90 8½" heads, 1-MW3R 5½" head, 2-7½' stands, 1-3½' stand, 1-case, 1-3" snoot, power cable and sync cord.
SB3000 ..... **$749.95**

DM402-4 Light Flash System
Includes D402 power supply, 2-M90 8½" heads, 2-MW3R 5½" heads, 3-7½' stands, 1-3½' stand, 1-3" snoot, power and sync cords.
SB3005 ..... **$799.95**

DM802 Flash System
Includes D802 power supply, 2-M11 heads 3-interchangeable reflectors (7", 11½" and 16"), 2-MW3R 5½" heads, 1-3" snoot, 1-barn door set, 3-7½' stands, 1-9' stand, power cord and sync cord. **SB3010** **$1159.95**

DM1602 Flash System
Includes D1602 power supply, 1-M11 head w/11½" reflector and barn doors, 1-M11Q head w/7" and 16" reflectors, 2-MW3R 5½" heads, 1-3" snoot, 3-7½' stands, 1-9' stand, power cable and sync cord.
SB3020 ..... **$1369.95**

DM402 Umbrella System
Includes D402 power supply, 1-MW3U head, 1-36" silver umbrella, 1-9' stand, power cable and sync cord.
SB3025 ..... **$449.95**

DM802 Umbrella System
Includes D802 power supply, 1-M11 head w/7" umbrella reflector, 1-48" silver umbrella, 1-9' stand, power cable and sync cord.
SB3030 ..... **$649.95**

Brown Line Power Supplies

D1602 Power Pack
SB3216 ..... **$619.95**
D1204 Power Pack-NEW
SB3210 ..... **$539.95**
D802 Power Pack
SB3208 ..... **$419.95**
D604 Power Pack - NEW
SB3206 ..... **$379.95**
D402 Power Pack
SB3204 ..... **$289.95**
D200 Power Pack
SB3202 ..... **$164.95**

Brown Line Flash Heads

M11Q Head (2400 w/s) interchangeable refl.
SB3130 ..... **$249.95**
M11 Head (1000 w/s Max.) interchangeable refl.
SB3125 ..... **$199.95**
M90Q Umbrella Head (1200 w/s Max.)
SB3120 ..... **$167.95**
M90 Umbrella Head (400 w/s Max.)
SB3115 ..... **$112.95**
MW3UQ Umbrella Head (1200 w/s Max.)
SB3110 ..... **$174.95**
MW3U Umbrella Head (400 w/s Max.)
SB3105 ..... **$121.95**
MW3R B.G. or Hairlite Head (400 w/s Max.)
SB3100 ..... **$86.95**
20 Ft. Lite Head Ext. Cord
SB3550 ..... **$39.95**

Brown Line Replacement Flash Tubes and Modeling Lamps

MW3 flashtube, 400w/s
SB1615 ..... **$23.95**
MW9M flashtube, 100w/s (for M11)
SB1620 ..... **$54.95**
MW3Q quartz flashtube, 1200w/s
SB1600 ..... **$81.95**
MW9Q quartz flashtube, 2400w/s (for M11)
SB1612 ..... **$99.95**
25w modeling lamp for M90
SB3515 ..... **$2.95**
60w modeling lamp for MW3R
SB3520 ..... **$2.95**
150w quartz modeling lamp for MW3U, MW3UQ, M11, or M11Q
SY4011 ..... **$21.95**

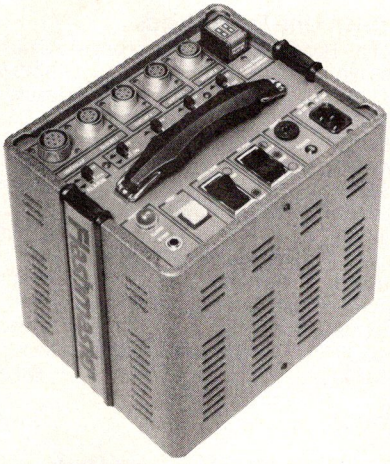
Miscellaneous Brown Line Accessories

2" Snoot for MW3R
SB3480 ..... **$14.95**
3" Snoot for MW3R
SB3482 ..... **$14.95**
Snoot for M90
SB3485 ..... **$18.95**
Protective tube cover for M11
SB3455 ..... **$17.95**
Flood adapter for M90 (increases angle of coverage to 110°)
SB3460 ..... **$9.95**
Grid spot for 7" reflectors
SB1226 ..... **$29.95**

to order call toll free
1-800-CALUMET
1-800-225-8638

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size	Weight
D200	200w/s	f/5.63	2	Sym	Full/Split	3.1	5	4½"x4½"x6½"	7 lbs.
D402	400w/s	f/8.04	4	Sym/Asym	Full/Half	1.7	10	8"x6½"x6"	12 lbs.
D604	600w/s	NA	4	Sym/Asym	1½-Stop Range	2.3	8/4	9⅛"x5⅞"x7¼"	11.2 lbs.
D802	800w/s	NA	4	Sym/Asym	Full/Half/Low	3.0	10	10"x8"x8"	19 lbs.
D1202	1200w/s	NA	4	Sym/Asym	Full/Half/Low	4.2	10	10"x8"x12½"	23.5 lbs.
D1204	1200w/s	NA	4	Sym/Asym	2½-Stop Range	4.1	9/4	9⅛"x5⅞"x9¼"	14.4 lbs.
D1602	1600w/s	f/16.3	4	Sym/Asym	Full/Half/Low	5.5	10	10"x8"x11"	27 lbs.

**f/stop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ASA setting was 100. See page 78 for "Chimera Test Report."*



Photogenic Flashmaster AA06 Power Supply

The standard of the industry for location professionals in all phases of commercial, industrial, school and portrait photography.

New to this superb flash line is the 600 w/s AA06 Power Supply. This compact and lightweight unit offers *50% more power and a faster, 3-second recharging time* than its trusty AA01A predecessor. Its five flashhead outlets feature user-safe, anti-arc circuitry and can be operated by anyone without danger or damage to the connectors or other components. Other features include individual outlet on/off switches, built-in photo slave, convection cooling and misfire alarm.

PG1680 ..... **$499.95**

Flashmaster Outfits

Complete 4-Light Outfit – includes the AA06 power supply, two 16″ Quick Change and two 6″ light units with snoots, four stands and carrying case.

PG1714 ..... **$1579.00**

Umbrella Outfit – includes the AA06 power supply, power-supply-caster-base with integral light stand, and umbrella lighting unit with 250 watt modeling light.

PG1716 ..... **$915.00**

Flashmaster AA06 Lighting Units

4½″ Spotlight (AA10) – This focusing spot features a 4½″ fresnel lens which lets you adjust from an intense, but even and soft-edged spot to a broad flood. Ideal for hairlight, background lighting and backlighting.

PG1730 ..... **$159.95**

6″ Light Unit (8050MA) – This unit is ideal for backlighting and hairlighting.

PG1864 ..... **$139.95**

11″ Wide Angle Unit (AA11) – Its non-focusable 11″ reflector provides a soft, broad flood illumination especially suitable for school photography.

PG1802 ..... **$175.00**

14″ Quick Change (QC) Unit (AA12—14) – Focusing flash with 14″ portrait reflector. **PG1803** **$239.95**

16″ Quick Change (QC) Unit (AA12—16) – Focusing flash with coverage from 40° to 60°. Ideal for groups as well as portraiture. **PG1804** **$245.00**

20″ Quick Change (QC) Unit (AA12—20) – Focusing flash with coverage from 42° to 135°. Produces excellent feathering effect. **PG1805** **$259.95**

24″ Quick Change (QC) Unit (AA12—24) – Focusing flash provides 85° coverage with an indirect flood, soft illumination. An excellent soft, controllable light source. **PG1801** **$299.95**

Multi-Reflector Background Light (AA13) – Includes a deep reflector, shallow reflector and aperture. Accepts QC reflectors.

PG1806 ..... **$259.00**

Umbrella Light Unit (AA17) – This flash unit includes an umbrella bracket.

PG1807 ..... **$239.00**

Flashmaster Light Unit Accessories

Barndoor/Diffuser for 11″ reflector
PG1820 ..... **$69.95**

Barndoor/Diffuser for all 16″ reflectors
PG1512 ..... **$59.95**

Snoot (set of 2) for 6″ reflector
PG1858 ..... **$36.95**

Power Ratio Plug set for AA06
PG1682 ..... **$39.95**

Diffuser for 11″ reflector
PG1824 ..... **$21.95**

Diffuser for 6″ reflector
PG1860 ..... **$12.95**

Diffuser for all 16″ reflectors
PG1500 ..... **$29.95**

Photogenic Studiomaster System

Photogenic's AE10 lighting units' focusing flash tubes and modeling lights, are at the heart of Studiomaster II's appeal to top professional portrait artists. Combined with their full line of quick change reflectors, the Studiomaster II is the most predictable lighting available.

Studiomaster II Quick Change Outfits

Outfits include 200 w/s power supply, AE10 focusing light unit, featuring a focusing flash tube/modeling light and one of the interchangeable reflectors described below, caster base, power cord and slave.

16″ Reflector Outfit-Focuses a 40-60° beam.
PG1014 ..... **$849.95**

20″ Reflector Outfit
PG1010 ..... **$869.95**

24″ Reflector Outfit-Indirect controllable 85° flood. **PG1090** **$899.95**

Studiomaster II Umbrella Outfit
With additional 200 w/s booster
PG1080 ..... **$1029.95**

Studiomaster II 20″ x 40″ Aurora Outfit
With additional 200 w/s booster and Aurora light unit featuring broad soft shadowless illumination. **PG1096** **$1199.95**

Studiomaster II 8″ Varibeam Outfit
With focusing 8″ fresnel lens lighting unit producing a dramatic evenly illuminated main or accent light. **PG1309** **$259.95**

Studiomaster II 4½″ Boommaster Outfit
With a 4½″ spotlight lighting unit. Included is 4′ boom arm making this the ideal hairlight.
PG1018 ..... **$929.95**

Studiomaster II Multi-Reflector Background Outfit
Includes deep satin and shallow satin reflectors, aperture/diffuser holder, AE14 lighting unit, power cord and slave.
PG1026 ..... **$759.95**



Photogenic Porta-Master

These self-contained umbrella systems are compact and easily portable. Both Porta-Master units include a power supply, stand, 32″ umbrella and lighting unit, and are transported in a case only 19″ long.

Porta-Master 250 (AK01)
Features 250 w/s power supply with dual outlets for additional light.
PG2300 ..... **$449.95**

Porta-Master 400 (AK01-400)
Features 400 ws power supply with four outlets for additional lights.
PG2350 ..... **$619.95**

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast)	Size	Weight
Studiomaster	200w/s	f/8.02	1	–	Full/Half/Qtr./Eight	7.0	3.6	12¾″x12½″x4½″	21 lbs.
Flashmaster	600w/s	f/11.4	4	Sym/Asym	w/Optional Power Plugs	3.0	8	9 ⅜″x7 ⅜″x9″	15.75 lbs.
Porta-Master 250	250w/s	f/8.05	2	Sym/Asym	Full/Half/Qtr.	3.0	6	19″ high w/stand collapsed	19 lbs.
Porta-Master 400	400w/s	f/8.08	4	Sym/Asym	Full/Half/Qtr.	3.0	9.5	19″ high w/stand collapsed	20 lbs.

** f/stop produced at 10′ with head fitted with Chimera Silver Medium Super Pro. The ASA setting was 100. See page 78 for "Chimera Test Report."*



Comet CX Flash System

Powerful enough for large format work, yet light enough to go on location. It is ruggedly built to withstand the rigors of daily use, and provides enough flexibility to handle the toughest assignments. The CX power pack features built-in "fail-to-flash" monitors, overheat warnings, arc-suppression circuits and cooling fan. *All Comet power packs and flash heads come with a two-year warranty.*

Comet CX-244A Power Supply

This professional 2400w/s power pack is heavy-duty AND lightweight. Four flash head outlets with symmetrical/asymmetrical distribution offer plenty of lighting options, while additional control comes from its continuously variable power output from full to 1/8. Recycle rates can also be controlled from 1.8 (quick/full) to 49 sec. (slow) with a 4-position, click stop variator. A "flash lamp failure warning circuit" sounds an audible alarm when any flash head does not fire, and an L.E.D. will indicate a malfunctioning head. Other features include audio/visual ready signal which indicates when power supply has fired and is fully recycled, a built-in photo slave with on/off switch and dual sync outlets which accept either 3-bladed or 2-bladed cords. Accepts either Comet CX Series or Cometlite flash heads. Includes power cord and sync cord.

CM4001 ..... **$2040.00**

Comet CX-2411 Flash Head

This lightweight, fan-cooled head is both innovative and dependable. Its heavy duty, high flex 14' cable is detachable for user convenience and easy storage. Directional control is quick and smooth with a high profile tilt/pan handle located below the head. A built-in modeling lamp on/off switch on the head lets the user individually control each head. Comet's UV coated, 2400w/s flash tube produces 5500° K light consistently, while a bright 250 watt quartz modeling lamp takes the guesswork out of focusing and composition. Both the flash tube and modeling lamp are protected during use with a frosted pyrex diffusion shell, and during storage and shipping with a metal shipping cover. Reflectors, grids, barndoors and gel filter holders for additional creative light control. Operates with either Comet CX Series or Cometlite power packs.

CM4150 ..... **$496.00**

Comet CX-244A Flash System

Includes one CX-244A power pack, two CX-2411 flash heads, two 7" reflectors, two 42" Comet opaque white umbrellas and two 8' portable stands.

CM4034 ..... **$2739.00**

Replacement Flash Tubes and Modeling Lamps

Flash Tube for CX and Cometlite Heads
CM4070 ..... **$139.00**

250 watt Model Lamp for CX Heads
CM4078 ..... **$26.00**

100 watt Model Lamp for Cometlite and Comet 48 Heads **CM3073** **$24.00**

Comet CX and Cometlite Accessories

7" Umbrella Reflector (65°)
CM4153 ..... **$39.00**

9" Reflector (45°)
CM4155 ..... **$53.00**

18" Soft White Reflector (80°)
CM4160 ..... **$170.00**

18" Silver Reflector (80°)
CM4161 ..... **$143.00**

7" Barndoor Set w/Filter Frame
CM4170 ..... **$72.00**

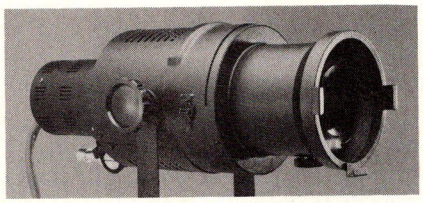
9" Barndoor Set w/Filter Frame
CM4175 ..... **$83.00**

7" Filter/Gel Holder
CM4180 ..... **$27.00**

9" Filter/Gel Holder
CM4185 ..... **$34.00**

Grid set for 7" Reflector (set of 3)
CM4465 ..... **$140.00**

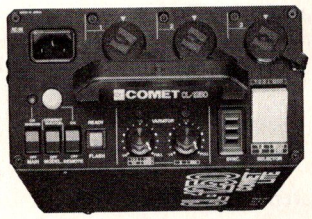
Grid set for 9" Reflector (set of 3)
CM4485 ..... **$168.00**



Comet Optical Snoot

This optical spotlight attachment gives the photographer unlimited control when it comes to dramatic, theatrical effects. Just attach the CX-2411 Flash Head to the rear of the snoot, and you have up to 2400w/s of a variable diameter, focusable beam of light. The optical snoot houses the condenser focusing mechanism, detachable cooling fan, Waterhouse stop plates, gel holder, framing cutter and stand mount. The variable beam is controlled through the use of six different Waterhouse stop plates, which have different apertures to produce differently sized beams of light.

CM3070 ..... **$690.00**



The Cometlite Flash System

This amazingly lightweight and compact system provides effortless location lighting. Compatible with the Comet CX System.

Cometlite CL-1250 Power Pack

This new ultra-light power pack provides variable flash output and modeling lamp intensity over a two f/stop range from two channels. Choose from 12 click stop positions at ⅙-stop increments. Symmetrical/Asymmetrical modes are indicated by L.E.D. visual indicators, and an audio/visual monitor system indicates flash head operation. Other features include a built-in photo cell with on/off switch, ready light and open flash test button, and an audio recycling monitor with on/off switch. Accepts either the Cometlite or Comet CX Series flash heads. Includes power cable, sync cord, soft carry case and two-year warranty.

CM3510 ..... **$1375.00**

Cometlite CL-25 Flash Head

This new, improved 2500w/s flash head features a user-replaceable, UV coated flash tube. The CL-25 is both lightweight (2.5 lbs.) and compact (4" diameter, 5.9" long). When operating in the asymmetrical mode, the model lamp circuit will automatically decrease in intensity to the proper ratioed intensity in outlet #3. This tells the photographer that he, or she is in assymmetrical mode and that there is less power in the #3 head. The CL-25 also features a built-in, 85° reflector and will accept the CX Series reflectors, grids, barn doors and gel filter holders. It comes with protective shipping cover, a detachable 14' cable for convenient storage, 100 watt halogen modeling lamp, has a model on/off switch and is convection cooled. Fits Cometlite or Comet CX power packs.

CM3520 ..... **$405.00**

Cometlite CL-1250 Flash Package

Includes CL-1250 power supply, two CL-25 flash heads and a soft carrying bag.

CM3505 ..... **$1895.00**

CL-1250 Umbrella Flash Package

Includes CL-1250 power supply, two CL-25 flash heads, two 42" white vinyl umbrellas, two 8' portable stands and one umbrella/light stand soft carrying bag.

CM3500 ..... **$2179.00**

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop Range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size	Weight
CX-244A	2400w/s	f/22.4	4	Sym/Asym	3-Stop Range	1.8 sec.	20/10	14⅛"x11"x6"	20.5 lbs.
CL-1250	1250w/s	NA	3	Sym/Asym	2-Stop Range	2.8 sec.	15	7½"x4"10½"	9.7 lbs

**f/stop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ASA setting was 100. See page 78 for "Chimera Test Report."*

LIGHTING
Novatron Flash Systems

Note: All Novatron Flash Head models are available with UV coated flash tubes for a slight additional charge. Call for details.

Novatron Studio Lighting
Novatron's compact, efficient strobe lighting systems offer quality lighting at an affordable price. Their variable, symmetrical power pack settings combined with special reducing heads give the photographer asymmetrical choices for better creative control.

Novatron 550 Power Pack
Ideal for executive and environmental portraits. This dependable, general purpose pack features the flexibility of three power settings, quick recycling times and four flash head outlets. Choose from a maximum output of 550 w/s, 275 w/s or 137.5 w/s.
NV1055 ..... **$374.95**

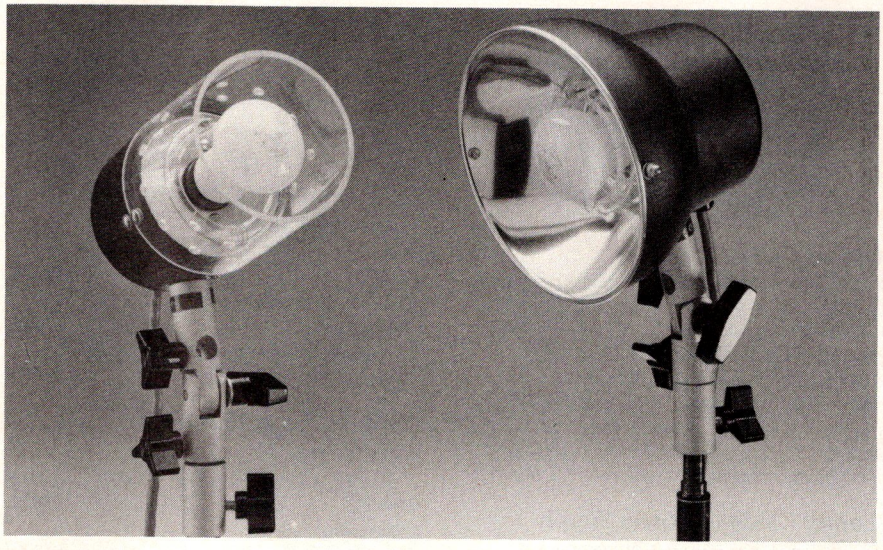
Novatron 550 3-Head Package
Includes: one 550 power pack, one Standard head, one 1-Stop Reduction head, one 2-Stop Reduction head, one 4' back light stand, two 10' light stands, two 46" white umbrellas, carrying case and sync cord. **NV6550** **$889.95**

Novatron 1000 Power Pack
This high-output power pack features fast recycle times ideally suited for fashion photography, as well as portrait, commercial and industrial work. Three power settings give you the choice of 1000 w/s, 500 w/s and 250 w/s. **NV1000** **$519.95**

Novatron 1000 3-Head Package
Includes: one 1000 power pack, one 1000w/s Standard head, one 1-Stop Reduction head, one 2-Stop Reduction head, one 4' back light stand, two 10' light stands, two 46" white umbrellas, one carrying case and one sync cord.
NV6100 ..... **$1129.95**

Novatron Standard Flash Heads
These space efficient and lightweight heads are 6½" in diameter, 5" deep and weigh only 1½ lbs. Their spun aluminum reflectors give you 70° of diffused light. Their housings are wear resistant textured ABS plastic and have the standard mounting bracket that holds an umbrella and allows the head to pivot through a 200° arc. Standard heads feature a 100 watt modeling lamp with off/on switch.

500 w/s Standard Flash Head (with 15' cable) **NV2000** **$91.95**
500 w/s Standard Flash Head (with 25' cable) **NV2005** **$94.95**
1000 w/s Standard Flash Head (with 15' cable) **NV2100** **$94.95**
1000 w/s Standard Flash Head (with 25' cable) **NV2105** **$99.95**



Novatron Reducing Heads
Feature a pair of three-way rocker switches, one to control the flash output from High to one f/stop, or two f/stop reduction (depending upon model) and off. The other switch controls the modeling lamp at the same ratio as the flash output. All reduction heads feature 25' cables. Note: Reducing heads must be used with at least one other head.

500 w/s Head with One-Stop Reduction
NV2010 ..... **$109.95**
500 w/s Head with Two-Stop Reduction
NV2020 ..... **$109.95**
1000 w/s Head with One-Stop Reduction
NV2110 ..... **$119.95**
1000 w/s Head with Two-Stop Reduction
NV2120 ..... **$119.95**

Novatron Bare Tube Heads
These heads feature a flash tube and modeling lamp covered by a protected clear plastic cover, and provide broad coverage ideally suited for large group portraits. They also feature the same power and modeling light ratio switches as the One-Stop Reducing Heads and a 15' cable.

500 w/s Bare Tube Head
NV2030 ..... **$109.95**
1000 w/s Bare Tube Head
NV2130 ..... **$119.95**

Bare Tube Head Accessories
Novatron 6" Reflector (w/90° coverage).
NV2032 ..... **$24.95**
Novatron 16" Reflector (w/100° coverage).
NV2034 ..... **$39.95**

Novatron Soft Light
A 16" x 16" white ABS plastic head with a 500 w/s flash tube and modeling light. Produces 90° of non-specular light through a frosted vinyl diffusion sheet. Features the same light control as the One-Stop Reducing Head.
NV2160 ..... **$144.95**

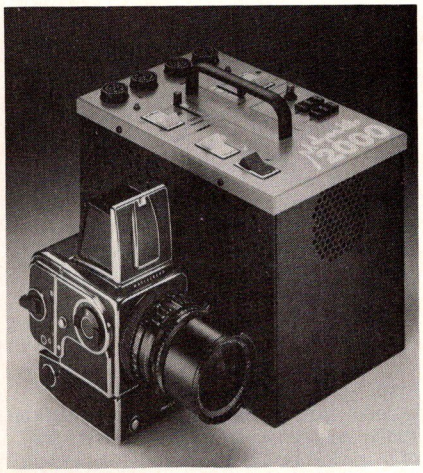
Novatron Soft Light Accessories
2-way 20" Vertical Barndoors
NV4012 ..... **$33.95**
2-way 15" Horizontal Tapered Barndoors
NV4013 ..... **$33.95**
4-way Barndoors. **NV4014** **$61.95**

Replacement Modeling Lights
Replacement 60w Modeling Light.
NV4061 ..... **$2.50**
Replacement 100w Modeling Light.
NV4101 ..... **$2.50**

Novatron Accessories
4-Way Barn Door for 6½" dia. heads (revolving) **NV4011** **$44.95**
Novatron Snoot **NV4000** **$19.95**
Novatron Slave **NV4030** **$19.95**
Head Extension Cord 15'
NV4015 ..... **$27.95**
Novatron Adjustable Snoot (extends to 9½").
NV4001 ..... **$24.95**
Novatron Gel Holder (holds 8" x 8" gels).
NV4020 ..... **$16.95**
Head Extension Cord 25'.
NV4025 ..... **$32.95**
Y Connector. **NV4026** **$37.95**

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size	Weight
550	550w/s	f/11.8	4	Sym	High/Med/Low	2.5 sec.	15	6¼"x6⅜"x8½"	10.4 lbs.
1000	1000w/s	f/16.7	4	Sym	High/Med/Low	2.75 sec.	20	7½"x6⅜"x10"	17 lbs.

**f/stop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ASA setting was 100. See page 78 for "Chimera Test Report."*



Dyna-lite "M" Series Flash System

The diminutive Dyna-lite "M" Series is the diffinitive location flash system. This extremely portable line offers plenty of power output flexibility and a versatile selection of light control accessories.

Dyna-lite Power Packs

These super-compact, ultra-light packs all feature arc protected connectors and switches for user protection, a color coordinated panel, 100% ready light/open flash test button for user convenience, circuit breaker protection for consistent output and a Two-year warranty for user satisfaction.
Note: "M" Series Power Packs will not accept "D" Series Flash Heads without an adapter.

Dyna-lite M500 Power Pack

This 5-pound 500 w/s pack produces a flash duration of 1/600 sec. at full power w/one head and 1/2000 sec. w/two heads at 50 w/s.
DY4005 ..... **$409.95**

call toll free
to order
1-800-CALUMET
1-800-225-8638
For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

Dyna-lite M1000 Power Pack

The smallest, lightest 1000 w/s pack on the market, the M1000 features dual proportional model lamp dimmers, a flash duration of 1/300 sec. at full power w/one head, and 1/2000 sec. w/two heads at 50w/s.
DY4010 ..... **$819.95**

Dyna-lite M2000 Power Pack

This fan-cooled 2000 w/s pack features five head outlets, dual sync outlets, dual proportional model lamp dimmers, is dual circuit breaker protected and produces a flash duration of 1/300 sec. at full power w/one head, and 1/2000 sec. w/two heads at 1/125 sec.
DY4020 ..... **$1499.95**

Dynalite "M" Series Flash Heads

These versatile flash heads feature detachable 14' cables for easier storage, easy directional control with sturdy handle and ratchet/friction bracket, quick mount/removal of reflectors and accessories, universal interface with all Lowel "Omni" series lighting control accessories, 140° built-in reflector and user replaceable flash tube.

Dyna-lite M2000 Blower Flash Head

This 2000 w/s head features a 250 watt model lamp, cooling fan and ½" umbrella receptacle. Will work with any M Series pack.
DY4035 ..... **$359.95**

Dyna-lite Mini Head

This non-blower head features 1200 w/s U.V. corrected quartz flash tube, a 150 watt model lamp, integrated accessory ring and ½" umbrella shaft receptacle. Weighs only 1½ lbs. **DY4030** **$264.95**

Dyna-lite Blower Cooled Flash Head

Features 1200 w/s U.V. corrected flash tube, 250 watt model lamp, integrated accessory ring and ½" umbrella shaft receptacle. Weighs under 3 lbs.
DY4040 ..... **$319.95**

Dyna-lite Bi-Tube Blower Flash Head

Includes two simicircular flash tubes, 250 watt model lamp and two pig-tailed power cables. This bi-tube design allows the connection to two power packs for additional power or reduction of recycle time.
DY4050 ..... **$479.95**

Dyna-lite Quad Head System

Offers the ability to connect up to four power packs for high intensity light output. Maximum power output is 4000 w/s. Includes Quad Head, four flash tubes, four extension cables, model lamp, 50° parabolic reflector and 80° parabolic reflector. Weight appx. 3½ lbs.
DY3088 ..... **$899.95**

Flash Tubes and Modeling Lamps

1200 w/s Replacement Flash Tube For Mini and Blower Cooled Heads.
DY3705 ..... **$119.95**
2000 w/s Replacement Flash Tube
DY3715 ..... **$159.95**
1200 w/s Replacement Flash Tube For Quad Head **DY3700** **$99.95**
Dual 1200 w/s Flash Tubes for Bi-Tube Head **DY4055** **$179.95**
150 Watt Modeling Lamp for Mini Head
DY3600 ..... **$19.50**
250 Watt Modeling Lamp for Blower Cooled, Bi-Tube and Quad Heads **SY4060** **$21.95**

Dyna-lite Accessories

50° Reflector
12" parabolic reflector designed for Quad Head **DY3500** **$35.95**
80° Reflector
9" parabolic reflector for Quad Head. Can be used with an umbrella.
DY3505 ..... **$35.95**
Gel Holder Adapter
Uses the umbrella mounting hole to hold the Lowel Tota-Frame to any Dyna-Lite head
DY3510 ..... **$14.95**
Accessory Frame
Used to control light by inserting Lowel "Omni" series scrims and diffusers into the light beam. Rotates a full 360°.
DY3520 ..... **$29.95**
Barn Door Set
Same as Accessory Frame with the addition of 4 removeable doors.
DY3525 ..... **$58.95**
Angle Reducing Ring
This "snoot" reduces the angle of light coverage. One ring reduces the angle to 60°, two rings reduce angle to 30° and three rings reduce angle to 15°.
DY3515 ..... **$24.95**
Grid Spot Holder
Used to hold Dyna-lite, Comet or Balcar grids to flash heads
DY3530 ..... **$34.95**
15' "D" Series Flash Head Extension Cable
DY3560 ..... **$38.95**
15' "M" Series Flash Head Extension Cable
DY4070 ..... **$44.95**

Dyna-lite System Cases

Small Dyna-lite Case
Holds two "D" series power packs and two heads. Weighs appx. 21 lbs.
DY3650 ..... **$147.95**
Large Dyna-lite Case
Holds up to three "D" series power packs and four flash heads. Weighs appx. 23 lbs.
DY3655 ..... **$174.95**

Prices are subject to change without notice.

Power Pack	Power Capacity	Flash Output*	Head Outlets	Distribution (Sym/Asym)	Variable Output (f/stop range)	Recycle Time (full)	Amps Drawn (Fast/Slow)	Size	Weight
M500	500w/s	f/11.4	3	Sym/Asym	3-Stop Range	.9 sec.	15/8	5"x7¼"x6¼"	5 lbs.
M1000	1000w/s	f/16.3	4	Sym/Asym	4-Stop Range	1.5 sec.	16/12	5½"x6¾"x8¼"	8 lbs.
M2000	2000w/s	N/A	5	Sym/Asym	4-Stop Range	1.9 sec.	15	6¾"x10½"x9¾"	18.5 lbs.

**f/stop produced at 10' with standard head fitted with Chimera Silver Medium Super Pro. The ASA setting was 100. See page 78 for "Chimera Test Report."*



The Sunpak Monolight System

These versatile self-contained light units offer some unique and, even revolutionary features.

- Variable power control with proportional modeling light.
- Built-in slave with 180° coverage.
- Powered by either AC or optional battery pack for unlimited portability.
- Wide range of accessory reflectors, grids and barn doors.
- Choice of two models – 400w/s or 200w/s

Sunpak MS-4000

Features 400w/s stored energy, with a guide number of 280 at full power (ISO 100), variable power control of full, half and quarter power, 2.5 sec. recycling at full power, a flash duration of 1/500 sec. at full power. Weight: 6.2 lbs. Dimensions: 9" x 5.5" x 10.8"

SU6005 ..... **$389.95**

Sunpak MS-2000

Features 200w/s stored energy, with a guide number of 200 at full power (ISO 100), variable power control of full and half power, 4 sec. recycling at full power, a flash duration of 1/770 sec. at full power. Weight: 5.6 lbs. Dimensions: 9" x 5.5" x 10.8"

SU6000 ..... **$309.95**

Sunpak Replacement Flash Tube and Model Light

Sunpak Monolight Flash Tube
SU6035 ..... **$89.95**
Sunpak Monolight 150 watt Model Light
SU6040 ..... **$15.95**
Sunpak Monolight Flash Tube Cover
SU6010 ..... **$15.95**

Sunpak Rechargeable Battery Pack

With this lead-acid rechargeable battery, you are no longer confined to the length of your extension cord for powerful flash operation. Receive up to 200 flashes at full power with one 10-hour charge. The battery weighs 6 lbs. 6½ oz. and its dimensions are 6¾" (w) x 6" (h) x 3" (d). Comes complete with power pack with cord, charger and battery.

SU6045 ..... **$229.95**

Sunpak Monolight Accessories

6" Standard Reflector **SU6020** **$18.95**
12" Reflector **SU6025** **$39.95**
16" Reflector **SU6030** **$47.95**
6" 4-Way Barndoor **SU6021** **$87.95**
6" Grid **SU6022** **$51.95**
12" 2-Way Barndoor **SU6026** **$79.95**
12" Grid **SU6028** **$87.95**
16" 2-Way Barndoor **SU6031** **$87.95**
16" Diffuser Holder **SU6032** **$51.95**
Snoot **SU6015** **$35.95**
Battery Pack Kit **SU6045** **$239.95**
12' Sync Cord **SU6055** **$9.95**

Bowens Monolites

These self-contained flash units are both portable, for location, yet powerful enough for studio use. Additional light control is made possible from a full line of Monolight reflectors AND complete compatibility with the Calumet Series-1 Flash Head accessory line.

The models #24000, #15000 and #9000 Monolights feature continuously variable power/model output from ¼ to full, 100% voltage stabilization, audible/visible power ready signals, dual sync sockets, overheat protection circuit and "dim-when fired" model lamp for flash verification.

Monolite 24000 - Provides Guide Number of up to 350 at ISO 100 and recycle times from 1-3 sec. Wt.: 12½ lbs. *(Model lamp included)*
BW3727 ..... **$679.95**

Monolite 15000 - Provides Guide Number of up to 280 at ISO 100 and recycle times from .8 to 2.8 sec. Wt.: 9 lbs. 8 oz. *(Less model lamp)*
BW3722 ..... **$549.95**

Monolite 9000 - Provides Guide Number of up to 212 at ISO 100 and recycle times from .6 to 2.0 sec. Wt.: 8 lbs. 4 oz. *(Less model lamp).*
BW3717 ..... **$479.95**

Monolite 4000 - This compact unit (5 lbs. 8 oz.) features a Guide Number of 145 at ISO 100 with full and half power output control. Recycles in two sec. at full power. *(Less modeling lamp).*
BW3712 ..... **$329.95**

Bowens Monolite Portrait Kit

Includes Monolite 4000, 18" Soft Reflector, 2-Way Barndoor Set and 12½' Heavy Duty Stand
Special Package Price **$519.95**

Monolite Location Kits

Monolite Kit 4000-Compact two-light outfit supplied with carrying case, Photocell, 32" white umbrella, 32" silver umbrella, (2) 8 ft. light stands, and 2 modeling lamps.
BW3900 ..... **$889.95**

Monolite Kit 4000/9000-Comes complete with one each #4000 and #9000 Monolites, case, Monocell, 32" White and 32" Silver umbrellas, (2) 8 ft. light stands, and two modeling lamps. **BW3905** **$1029.95**

Monolite Kit 9000-Includes two #9000 Monolites, case, Monocell, 32" White and 32" Silver umbrellas, (2) 8 ft. light stands, and two modeling lamps. **BW3910** **$1179.95**

Monolite Kit 9000/15000-Supplied with one each #9000 and #15000 Monolites, carrying case, Photocell, 2 Bowflectas, (2) 8 ft. light stands, and 2 modeling lamps.
BW3915 ..... **$1319.95**

Monolite Kit 15000-Includes two #15000 Monolites, case Monocell, 32" White and 32" Silver umbrellas, (2) 8 ft. light stands, and two modeling lamps. **BW3925** **$1399.95**

Bowens Mono Spot

A unique, self-contained focusing spotlight with fan-cooled flash, beam-shaping barndoors, easy single-knob focusing, large 6" filter drawer and 100 watt model lamp. Provides ISO 100 guide number at full power, with full and half power and model lamp switches, and is voltage stabilized. Recycles in 2.5 sec. at full power. Wt.: 15 lbs.

BW3730 ..... **$1095.00**

The Bowens Voyager—NEW

This lightweight, high powered, self-contained monolight is custom made for the photographer on the go. Its "auto-adjustable voltage/frequency sensor" self-adjusts to any AC outlet from 100V to 260V. Ideal for world travelers. Pushbutton control of each function – variable power output, model lamp mode, flash ready audible/visible switch, slave and power on/off – is confirmed audibly and visually. Standard features include ISO 100 guide number of 270 with variable flash output from full down to ¼ power in five steps, proportional model lamp operation and 2-sec. recycling at full power. Comes with UV coated flash tube and 250 watt model lamp. The Voyager has its own line of bayonet-mounted lighting accessories and can also be adapted to accept the complete line of Monolite and Calumet Series-1 Flash Head accessories. Wt.: 7 lbs.

BW3740 ..... **$859.95**

Voyager Replacement Flash Tube and Model Lamp

Plug-in Flash Tube for Voyager
BW5275 ..... **$69.95**
100 Watt Quartz Model Lamp
BW5237 ..... **$20.95**

Bowens Voyager Accessories

Mono-Key Reflector for Voyager
BW4117 ..... **$39.95**
Spill-Kill Reflector for Voyager *(for use with umbrellas)*
BW4140 ..... **$24.95**
Soft Box for Voyager
BW4141 ..... **$119.95**
Mono-Snoot for Voyager
BW4220 ..... **$44.95**
⅜" Grid for Voyager **BW4440** **$64.95**
¼" Grid for Voyager **BW4445** **$64.95**
Carrying Case for Voyager
BW4007 ..... **$279.95**

Bowens Model Lamps for Monolights

Modeling Lamp for #4000 **BW5210** ... **$3.75**
Modeling Lamp for #9000 **BW5215** ... **$3.50**
Modeling Lamp for #15000
BW5220 ..... **$3.15**
Modeling Lamp for #24000
BW5230 ..... **$24.95**
Modeling Lamp for Mono-Spot
BW5235 ..... **$15.95**

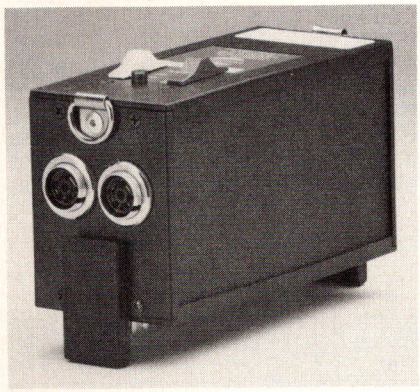
Bowens Monolite Accessories

Monocell Photocell Unit **BW4010** **$34.95**
Monoflood Reflector **BW4110** **$37.95**
Mono-Key Reflector **BW4115** **$29.95**
Monosoft Reflector **BW4120** **$74.95**
Barndoor Assembly for Monosoft
BW4160 ..... **$67.95**
Mono-Snoot **BW4210** **$41.95**
Replacement Sync Cord **BW5320** **$12.95**
Spill-Kill (Monowide) Reflector (for use with umbrellas) **BW4130** **$17.95**

Lumedyne—*The Portable System*

The Lumedyne flash system is a versatile, variable output, modular electronic flash that can be configured to meet your power needs. Consider these remarkable Lumedyne features:

- Each flash head can be powered up to 400w/s, with potential up to a 4000w/s system (w/10 heads) AND 15 sec. recycle times.
- Power options from AC, battery modules or vehicle cigarette lighter.
- Wide range of batteries – from smallest (1.5 lbs.), which produces 450 flashes at 50w/s, to largest (7 lbs. 2 oz.), which produces 350 flashes at 400w/s.
- As a testament to Lumedynes lightweight: power ratio, you can put together a 200w/s system that weighs only 4 lbs.
- High speed modules can produce up to 4 frames-per-second at 50w/s, or 400w/s with one-second recycling.
- Choice of coiled or straight cords on flash heads. Heads include a two position reflector, snoot, diffuser, and guide number cards. Removeable reflectors offer bare tube light.
- Modeling lamp head available which can be powered by battery.



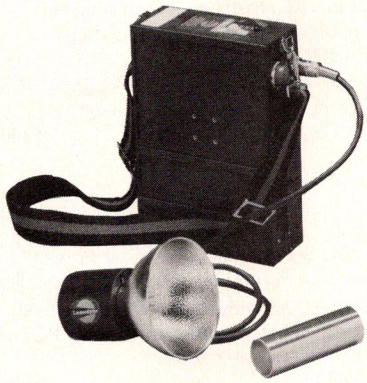
Lumedyne Power Pack and Modules

Lumedyne 244 Power Pack
This lightweight, high-efficiency, 200 w/s unit features settings at 50 and 100 w/s, instant off, switchable recycle time and 100% power indicating run light. Pack has two flash head outlets. With optional booster module, the 244 pack converts to 400 w/s. *(Battery and charger not included)*
LU5000 ..... **$209.95**

Top Module
Provides 50, 100 or 200 watt seconds of power. Used with High Speed Converter Module or AC Power Supply Module. **LU6070** **$139.95**

Top Module
Provides 100, 200 or 400 watt seconds of power.
LU6075 ..... **$209.95**

For assistance in putting together a Lumedyne system package which best meets your needs, please contact our Technical Sales Department at 1-800-CALUMET (225-8638).

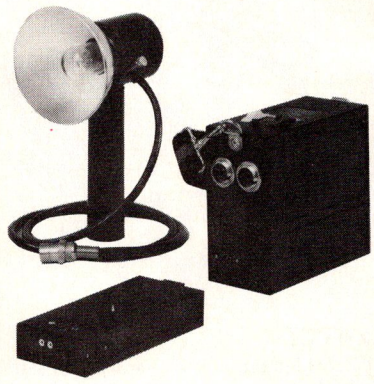


High-Speed Dedicated Outfit

This package combines high power output of 400 watt seconds and recycle times as fast as .5 seconds (at 50 watt seconds).

Includes 244 Power Pack, 400 watt second Top Module, High Speed Converter Module, Regular Battery, Straight Cord Head, Single Trickle Charger and strap.

Total Package Price **$521.70**



Lumedyne Mini Outfit

This basic professional flash package provides up to 200 watt seconds of power, recycle times as low as 3 seconds and up to 450 flashes per charge (at 50 watt seconds), and weighs only 5 lbs. 2 oz.

Includes Lumedyne 244 Power Pack, Single Trickle Charger, Snap-on Mini Battery Module and Straight Cord Head.

Total Package Price **$360.80**

Lumedyne Accessories

Lumedyne Power Booster Modules
"Blind" Booster #071 w/o head outlet attaches to #244 pack. Increases power by 200 w/s.
LU6080 ..... **$104.95**
Control Booster #072 w/head outlet and three position switch controls available power.
LU6085 ..... **$139.95**

High Speed Converter Module
Provides faster recycling times when used with battery modules. May be stacked in multiples to produce one second recycling at 400 w/s or six f.p.s. at 50 w/s.
LU5060 ..... **$99.95**

Lumedyne Battery Modules

Mini Snap-on for 244
Weighs only 1½ lbs. and recharges in 5-6 hrs.
LU5002 ..... **$57.95**

Regular Snap-on for 244
Weighs 2½ lbs. and recharges in 10-12 hrs.
LU5004 ..... **$109.95**

Super Snap-on for 244
Weighs 3½ lbs. and recharges in 15-18 hrs.
LU5006 ..... **$159.95**

Ultra Snap-on for 244
Weighs 7 lbs. 2 oz. and recharges in 15-18 hrs.
LU5070 ..... **$299.95**

Lumedyne Battery Chargers

Single Trickle Charger
Will charge one Mini battery in 5-6 hrs.
LU5030 ..... **$12.95**

Quick Charger
Will charge Regular battery in 4½ hrs. and Super battery in 7 hrs. *(Not recommended for Mini battery.)* **LU5034** **$47.95**
Shoulder Strap **LU7004** **$8.95**
Soft Box Adapter **LU7008** **$8.95**
AC Power Supply Module **LU6050** ... **$109.95**

Lumedyne Flash Heads

These portable heads feature a detachable 60° reflector for bare bulb flash, open flash button, 4.5' heavy duty cable (*coiled or straight*) and a range of mounting options. Mounts, handles and PC cords are not included.

Straight Cord Head #001-up to 400 w/s
LU5010 ..... **$79.95**
Coiled Cord Head #002-up to 400 w/s
LU5012 ..... **$89.95**
Straight Cord Modeling Light Head-to 400 w/s 50 watt modeling lamp is ideal for focusing in low light situations. Not recommended for continuous use.
LU5014 ..... **$134.95**
Straight Cord Remote Control Head – up to 400 w/s
LU5016 ..... **$99.95**

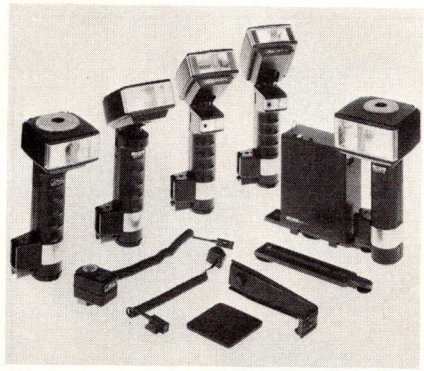
Lumedyne Flash Head Accessories

5' Extension Cord **LU6004** **$24.95**
10' Extension Cord **LU6008** **$29.95**
20' Extension Cord **LU6002** **$34.95**
3" Post w/stud - for mounting to quick release brackets. **LU6025** **$9.95**
6" Post w/stud - for mounting to quick release brackets. **LU6020** **$9.95**
Screw-on foot for head **LU6032** **$8.00**
Replacement Flash Tube **LU7000** **$27.50**
PC Sync Cord *(Household to PC)*
PN1008 ..... **$8.50**

to order call toll free
1-800-CALUMET
1-800-225-8638

LIGHTING
Metz Flash Systems

Calumet stocks the complete line of Metz flash accessories. Metz SCA system adapter is also available. Please call for details.



Metz 45 CT-1
The 45 CT-1 features full 90° vertical and 360° horizontal bounce control and automatic computer verification system.

Metz 45 CT-1 with NiCad battery cluster, charger, W/A adapter, PC cord, and quick release bracket. **MZ1025**.....**$224.95**

Metz 45 CT-3
Features built-in Power Ratio and Bounce Control. Accepts dedicated flash adapter modules (SCA 300 System) for most popular 35mm cameras.

Metz 45 CT-3 with NiCad battery cluster, charger, W/A adapter, PC cord, Quick Release Bracket **MZ1023**.....**$259.95**

Metz 45 CT-4
Features two flash heads for bounce and fill capabilities, SCA 300 system dedication, Quadrolight tilting, and LED mode indicator.

Metz 45 CT-4NC with NiCad cluster, Charger, PC cord, and quick release bracket.
MZ1070.....**$309.95**

Metz 45 CT-5
Features two flash heads, and a built-in computer coupled with an LED display. (SCA 500 System)

Metz 45 CT-5 NC with NiCad cluster, Charger PC cord, and quick release bracket.
MZ1035.....**$349.95**

Metz 60 CT-1
Features illuminated Control Center for easy visibility, choice of 11 auto f/stops with Remote Sensor, manual thyristor Power Ratio Control to 1/64 power, and bounce capability.

Metz 60 CT-1 with Dryfit Battery, battery housing, charger, power cord, strap, PC cord and quick release bracket.
MZ1040.....**$379.95**

Metz 60 CT-4
This dedicated flash features dual heads, built-in manual power level control, left or right-hand mounting bracket, illuminated ASA, f/stop and distance scales and audible ready signals. Uses SCA 300 modules.

Metz 60 CT-4 with Dryfit Battery, battery housing, charger, power cord, strap, PC cord and quick-release bracket.
MZ1047.....**$469.95**

Metz 32 CT-4
Dedicated thyristor-controlled flash features power grip handle, quadrolight tilting reflector for bounce lighting (horizontal and vertical), Battery Auto-off, and telecomputer for automatic exposure control. Accepts SCA 300 Dedicated Adapter Modules for most popular 35mm cameras.

Metz 32 CT-4 with Power Grip, W/A Adapter and PC cord.
MZ1080.....**$149.95**

Metz Accessories
Flash Bracket for Hasselblad grip
MZ3043.....**$29.95**
Med. Format Bracket
MZ3035.....**$19.95**
Mecatwin Flash Head (for use with Ser. 60 head) **MZ1060**.....**$179.95**
Mecalux Slave **MZ1220**.....**$49.95**

The following dedicated accessories are designed to fit specific Metz flash units. See Flash chart below for reference.

Dryfit Battery **MZ1145**.....**$61.95**
Ni-Cad Bat. **MZ1115**.....**$49.95**
Ni-Cad Bat. **MZ1150**.....**$89.95**
Heavy Duty Power Pack (fits into 45 series handle) **MZ1143**.....**$119.95**
Remote Sensors
MZ1205.....**$114.95**
MZ1212.....**$119.95**
MZ1210.....**$119.95**
MZ1215.....**$119.95**
Battery Charger **MZ1120**.....**$32.95**
Multi-AC adapter **MZ1160**.....**$199.95**
AC Adapter **MZ3112**.....**$53.95**
AC Adapter **MZ1130**.....**$49.95**
Standard Replacement PC Cords
MZ3095.....**$7.50**
MZ3082.....**$8.95**
MZ3105.....**$7.95**
3' Coiled PC Cords
MZ3050.....**$14.95**
MZ2550.....**$13.95**
MZ3060.....**$14.95**
3' Straight PC Cords
MZ3055.....**$8.95**
MZ2530.....**$9.95**
MZ3065.....**$8.95**

	45CT-1	45CT-3	45CT-4	45CT-5	60CT-1	60CT-4	32CT-4
Guide No.	148	148	148	148	197	197	105
Auto Apertures	5 (f2.8-f11)	6 (f2.8-f16)	6 (f2.8-f16)	6 (f2-f11)	6 (f2-f11)	8 (f2-f22)	3 (f2,f4,f8)
Flash Heads	1	1	2	2	1	2	1
Auto Range	1.5-53'	Variable	Variable	1.8-74'	1-99'	Variable	1.5-53'
Winder/Motor Sync.	-	2 fps	2 fps	2 fps	2/5 fps	2/5 fps	-
Weight	24 oz.	25 oz.	25 oz.	26 oz.	22 oz.	26 oz.	16.2 oz.
Manual Apertures	1	3	3	1	1	9	1
Dedication System	-	SCA 300	SCA 300	SCA 500	-	SCA 300	SCA 300
Ni-Cad Battery (# Flashes)	MZ1115 (50-2000)	MZ1115 (50-2000)	MZ1115 (50-2000)	MZ1115 (50-2000)	MZ1150 (50-2000)	MZ1150 (50-2000)	4C-batt. (250-6000)
Dryfit Battery (# Flashes)	-	-	-	-	MZ1145 (180-4500)	MZ1145 (180-4500)	-
AA Batt. (# Flashes)	(120-2600)	(140-3600)	(120-2600)	-	-	-	-
Handle Power Pack (# Flashes)	MZ1143 (180-4500)	MZ1143 (180-4500)	MZ1143 (180-4500)	MZ1143 (180-4500)	-	-	-
Remote Sensor	MZ1205	MZ1212	MZ1212	MZ1210	MZ1215	T.B.A.	-
Charger	MZ1120	MZ1120	MZ1120	MZ1120	MZ1120	MZ1120	-
Multi-AC Adapter	MZ1160	MZ1160	MZ1160	MZ1160	MZ1160	MZ1160	-
AC Adapter	MZ1130	MZ3112	MZ3112	MZ1130	-	-	-
Std. PC Cord (repl.)	MZ3095	MZ3082	MZ3082	MZ3105	MZ3105	MZ3082	MZ3082
3' Coiled PC Cord	MZ3050	MZ2550	MZ2550	MZ3060	MZ3060	MZ2550	MZ2550
3' Straight PC Cord	MZ3055	MZ2530	MZ2530	MZ3065	MZ3065	MZ2530	MZ2530



Description	422D	544	555	622	Cat. No.	Calumet Price
622 Dedicated Remote Cord (will accept any Sunpak Module)			X	X	SU5012	$39.95
Auto Slave	X	X	X	X	SU4410	$24.95
Powerpak for 510V Battery	X	X	X		SU4505	$89.95
NC-510 NiCad for 510 Pak	X	X	X		SU4510	$94.95
AD-26 AC Adapter		X	X	X	SU4585	$32.95
6x6 Quick Release Bracket for Basic Grip		X	X	X	SU4820	$28.95
10' Extension Cord for 510V Pak	X	X	X		SU4740	$17.95
Cable Release	X				SU5050	$9.95
Basic Grip for all 35mm Cameras	X				SU5060	$37.95
2' PC Cord	X	X	X		SU4736	$4.95
5' PC Cord	X	X	X		SU4730	$5.95
CL-2 NiCad Cluster		X	X		SU4535	$31.95
3' PC Extension Cord	X	X	X		SU5070	$4.95
10' PC Extension Cord	X	X	X		SU5075	$5.95
15' PC Extension Cord	X	X	X		SU5080	$6.95
Bounce Kit	X	X	X		SU5018	$27.95
QBC-5 Charger for CL-2/NC-510 NiCad	X	X	X	X	SU4515	$29.95

Sunpak Auto 622

This versatile flash features interchangeable flash heads, a full range of power sources, power ratio dial control from full to 1/128th power, and full dedication capabilities via remote cords and interchangeable modules. Specifications include guide number of 160 with Standard head at ISO 100, auto distance range from 2 - 80' (w/standard head at maximum aperture and ISO 100), and an 8-stop variable power ratio range.

Sunpak Auto 622 w/Standard Bounce Head
SU4170 ..... **$279.95**

Sunpak Auto 622 Body Only
SU4175 ..... **$249.95**

622 Accessories

Zoom Head **SU5000** **$44.95**
Diffused Head **SU5002** **$37.95**
Ring Light Head **SU5004** **$77.95**
Infrared Head **SU5006** **$39.95**
Bare Tube Head **SU5010** **$129.95**
Battery Cartridge (CG-10)
SU5030 ..... **$17.95**
NiCad Battery Cluster (CL-3)
SU5026 ..... **$84.95**
QBC-6 Charger
SU5028 ..... **$89.95**
Filter Kit **SU5014** **$31.95**
Conversion Plug Adapter for 510V Battery use.
SU5016 ..... **$5.95**
10" Straight PC Cord
SU4715 ..... **$3.95**
5' PC Cord **SU4735** **$5.95**

Sunpak Auto 555



This high powered, bounce capable flash offers full dedication and TTL operation for total compatability with electronic SLRs or standard flash operation with cameras without electronic interface functions. The 555 features a guide number of 150 at ISO 100 and provides an automatic distance range from 23 to 107 feet. This unit has a 7-stop, automatic aperture range from f1.4 to f11. An "Instant Readout" exposure control scale faces the user for easy, convenient use. Accepts a wide range of power options from 6-AA alkaline batteries to a 510 volt powerpak and accessory system capabilities.
SU4161 ..... **$169.95**

Sunpak 422 D

The 422 D shoe mount flash interfaces with most flash systems when using the proper dedicated module. The amount of automation depends upon the features built into the camera.

- Fully adjustable bounce head (330° horizontal, 90° vertical)
- Three auto f-stop ranges
- Power ratio up to 5 f-stops
- Auto-off power saver circuit
- 70° horizontal coverage without a diffuser
- Guide Number 100 with ASA 100 film

422 D body (requires module)
SU4220 ..... **$92.95**

Sunpak Auto 544



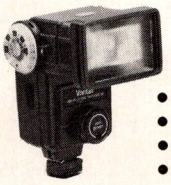
New auto thyristor, handle mount flash offers a wide range of features including high power output, full bounce capability and fast recycling time. The 544 sports a powerful guide number of 140 at ISO 100, a continuous auto aperture range of f2.8 to f8 (ISO 100) and a 7-stop variable power ratio system including motor drive synchronization. The 544 offers interchangeable power sources - from 6-AA alkaline batteries to a 510 volt powerpak.
SU4150 ..... **$139.95**

Sunpak Dedicated Modules

Dedicated modules for the Sunpak 622, 555, 422D and DX8R flash units to fit most cameras.

Canon **SU5024** **$31.95**
Minolta (TTL with Maxxum)
SU5029 ..... **$31.95**
Nikon F-3 **SU5020** **$51.95**
Nikon **SU5022** **$31.95**
Olympus **SU5027** **$31.95**
Pentax **SU5025** **$31.95**
Standard **SU5035** **$31.95**

Quantum Battery Packs
Quantum Battery Packs deliver up to 4.5 times the flashes per charge and up to 50% faster recycling times. See page 97.



Vivitar 285HV

- Automatic range to 70 ft.
- 3-position zoom head
- Choice of 4 f-stop settings
- Thyristor® circuitry for long battery life and fast recycle time.

VR4165 ..... **$81.95**
Nicad battery pack for 283 and 285 (NC-3)
VR4521 ..... **$24.95**
Charger 12/20 for NC-3
VR4517 ..... **$41.95**



Vivitar 283

- Automatic range to 43 ft.
- Tilting bounce head
- Choice of 4 f-stop settings
- Thyristor® circuitry for long battery life and fast recycle time.

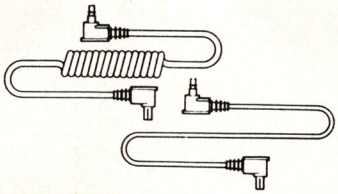
VR4150 ..... **$69.95**

Stroboframe Twin Flash Umbrella Clamp

Adapts two shoe mount strobes and umbrella to any 3/8" light stands.
SO7040 ..... **$19.95**

Calumet Swivel Umbrella Adapter

Permits a strobe and umbrella to be mounted on a 5/8" light stand and pointed at variable angles. Use shoe mount (SO7012) for shoe type flash mounting.
MF3420 ..... **$13.95**
SO7012 ..... **$4.95**



Para-Mount Sync Cords

Coiled Cords

Household to bipost, 5 ft.
PN1005 ..... **$8.95**
Household to PC, 5 ft. **PN1008** **$8.50**
Household to PC, 15 ft.
PN1010 ..... **$17.95**
Household to Rollei lock, 5 ft.
PN1013 ..... **$8.50**
PC to Rollei lock, 5 ft. **PN1021** **$8.50**
Household to Nikon lock. 5 ft.
PN1015 ..... **$8.50**
PC to PC extension male to female. 6 ft.
PN1023 ..... **$8.50**
PC to Vivitar 283-292 or Minolta Auto 25, 4 ft. **PN1033** **$8.95**
Vivitar to Nikon F2, 6 ft.
PN1035 ..... **$9.50**

Straight Cords

Household to PC, 1 ft. **PN2005** **$6.50**
Household to PC, 10 ft. **PN2015** **$8.95**
Household to PC, 15 ft. **PN2018** **$9.95**
Manual Tripper, 1 ft. **PN2020** **$8.95**
Household male to female extension, 10 ft.
PN2025 ..... **$8.95**
Slave to PC female adapter
PN3005 ..... **$7.95**

P.C. Tip Conditioner

No more need for crimping PC tip with pliers – or biting it to make a tighter fit. Our device will keep your tip always snug fitting, as well as "in round." Small enough to be carried in your pocket. A must for the professional. **PN2500** **$4.50**

Gaffer's Tape—The Real McCoy!

This matte-surface black cloth tape offers a wide range of holding and sealing applications. This extra-strong, easy to use tape permits clean removal *(won't gum up your equipment or props!)* 2" x 60 yds.
TA1000 ..... **$15.95**

Photographic Masking Tape

This opaque-black matte-finish tape crops and edges negatives, positions negatives for contact printing, seals camera bellows and film holders against light leaks. 1" x 60 yds.
TA2000 ..... **$5.75**

Multi-Purpose Double-Face Tape

It's coated on both sides with a synthetic rubber/resin adhesive that makes it ideal for splicing, mounting, holding, laminating and fastening applications. ¾" x 36 yds.
TA3000 ..... **$3.95**



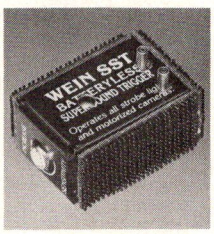
Calumet V.I.S. Trigger System

This versatile and reliable remote control trigger operates in three modes – vibration, infrared or white light, and sound. Pulse is sent to either a flash system or a camera equipped with motordrive/winder. The V.I.S. trigger measures 3.34" x 3.14" x 1.57" and operates with a 9 v battery (not included). **CC8500** **$259.95**



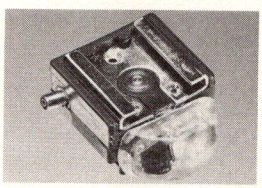
GVI Radio Slave Kit

This remote trigger unit takes the place of your sync cord between camera and power supply. A two channel transmitter will activate two receivers either simultaneously or alternately. Kit includes one transmitter, one receiver and attachment cords. Additional receivers and other accessories are also available. Call for details.
GV3000 ..... **$189.00**



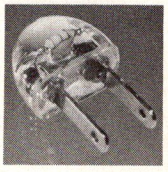
Wein SST Sound Slave

This sound activated trigger features adjustable sensitivity from a whisper to a bang. Ideal for special effect photography. Triggers flash units or motor drives/winders. Does not require any batteries. **BR8900** **$59.95**



Wein Micro-Slave HS

This hot shoe or PC activated slave features micro-miniaturized space-age circuitry. Simply slide strobe into hot shoe or attach PC cord from strobe to built-in receptacle for remote triggering. Contains a ¼-20 socket on bottom of unit for stand or tripod mounting. Requires no batteries. **BR8905** **$21.95**



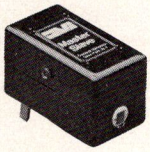
Wein Micro Slave L8

This double-bladed slave is dependable and economical. The entire solid-state circuit is encapsulated in clear tough epoxy that not only protects the components, but acts as a bounce light collector. Features a sunlight or roomlight cut-out filter.
BR8910 ..... **$21.95**



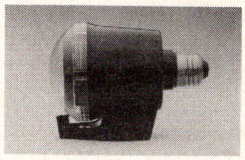
Slave Unit

Vivitar SL-2 Remote Flash Trigger with rotating hot shoe and PC connection.
VR4 573 ..... **$28.95**



GVI Master Slave

Operates under all lighting conditions, can be triggered by a 50 ws strobe at 400', has a sensitivity adjustment and is insensitive to flash bulbs. 2 – Blade plug (less 9V battery).
GV1000 ..... **$59.95**



AC Master Slave

The AC Master Slave features built-in hot shoe, battery-powered triggering device and PC outlet, open flash button, built-in slave trigger and a ¼-20 tripod socket. Supplied with 4 ft. sync/PC cord. Uses PX-28 battery (not included).

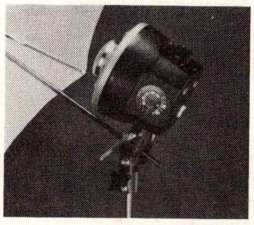
Specifications

- Guide No. 72 at ASA 100.
- Coverage 50°.
- Recycle time 7 sec.

AC Master Slave **TB1205** **$41.95**

AC Flash with Built-in Slave

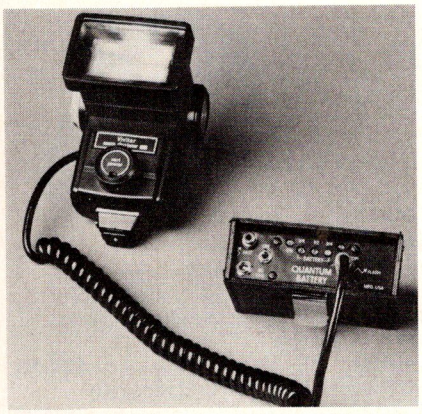
Screws into any standard socket using 110 AC current. Triggered as a slave only – no PC outlet.
TB1200 ..... **$31.95**



Professional Flash

New lightweight flash has five settings from full to 1/16 power. Incorporates four flash tubes for a high output Guide No. of 126 with ASA 100 film. Fast recycling from 0.3 to 4 seconds. Features open flash button, ready light, separate modeling light and AC switches. Includes AC power cord and PC coil cord. Isolation circuit requires PX-28 battery (not included) when used with sync cord. No battery required for use as slave. Features ¼-20 mounting socket.
TB1210 ..... **$169.95**

COMPETITIVE PRICES



The Quantum Turbo Battery—New

This high-voltage power pack provides faster recycling and higher capacity for either 6 or 9 volt systems. **CU2100** **$209.95**

Metz 45CT-1, -5 Turbo Cable
CU2105 ..... **$19.95**

Metz 45CT-3, -4 Turbo Cable
CU2110 ..... **$19.95**

Sunpak 622 Turbo Cable **CU2115** **$24.95**

Sunpak Turbo Cable **CU2120** **$24.95**

Vivitar 283/285HV Turbo Cable
CU2102 ..... **$19.95**

The Quantum Battery 1

Designed for 6 volt portable flash units. Requires Power Module (purchased separately). For use with power module A or C. Dimensions: 4″ x 4″ x 1¾″. *(Pictured above)*
CU2001 ..... **$114.95**

The Quantum Battery 2

For 9 volt portable flash systems. Requires Power Module. For use with Metz and Sunpak 522, 544, 555. Dimensions: 5½″ x 3″ x 1¾″.
CU2002 ..... **$119.95**

The Quantum Battery 4

Powers 12 volt portable flash units. Includes charger. Requires Power Module K (purchased separately). **CU2004** **$129.95**

The Quantum Battery for Norman 200B
(requires charger) **CU2020** **$84.95**

Charger for CU2020 **CU2024** **$64.95**

Power Modules & Extension Cords

Power Module A - Fits Vivitar Models 283, 285, 3700, 4600 and 5600; Sunpak 300 and 400 series. (except 411). **CU2010** **$26.95**

Power Module C - Fits Sunpak 611
CU2011 ..... **$47.95**

Power Module H - Fits Sunpak 622
CU2016 ..... **$34.95**

Power Module K - Fits Nikon SB11
CU2015 ..... **$39.95**

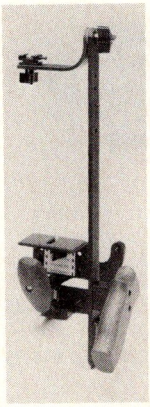
Power Module M - Fits Metz 45CT Series
CU2012 ..... **$34.95**

Power Module S - fits Sunpak 522, 544, 555
CU2013 ..... **$31.95**

Power Module G - fits Nikon SB16
CU2014 ..... **$26.95**

10′ Ext. cord f/Batt. 1 **CU2031** **$14.95**

10′ Ext. cord f/Batt. 2 **CU2032** **$14.95**

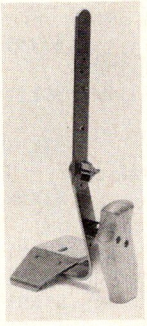


Stroboframe R4a and R7 Systems: The Rotary-Link Strobe Brackets

The R4a and R7 brackets both feature the Rotary-Link platform for switching your camera between horizontal and vertical. They also have a center palm grip. The R4a is a free standing model. (Cable release included.)

R4a Systems
With Handle-Type Flash Mount **SO7080** **$79.95**
With Shoe-Type Flash Mount **SO7081** **$79.95**
Separate Head Flash Mount
SO7082 ..... **$79.95**

R7 Systems
With Handle-Type Mount **SO7083** ... **$87.95**
With Shoe-Type Mount **SO7084** **$87.95**
Separate Head Flash Mount
SO7085 ..... **$87.95**



Stroboframe R66a Bracket

The bracket for square format users. It has a fixed platform for 2¼″ cameras which don't require the rotation mechanism. Accepts all Stroboframe adapters and accessories. (Includes cable release).

R66a Systems
With Handle-Type Mount **SO7086** **$55.95**
With Shoe-Type Mount **SO7087** **$55.95**
Separate Head Flash Mount
SO7088 ..... **$55.95**

Stroboframe RL/c Flash Bracket

The RL/c (Rotary-Link/compact) is a very compact flash bracket which still allows vertical-horizontal camera rotation under the flash. This model does not have palm grip. (Includes cable release).

RL/c Systems
With Handle-Type Mount (includes vertical extension arm).
SO7030 ..... **$69.95**
With Shoe-Type Mount **SO7028** **$64.95**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.



Stroboframe Quick Flip Flash Brackets (350 and 120)

Features a pivoting flash arm to keep flash over the lens in both horizontal and vertical. Flash window stays parallel to the film format for wider flash coverage.

Stroboframe Quick Flip 350
SO7050 ..... **$34.95**

Stroboframe Quick Flip 120
SO7051 ..... **$34.95**

Stroboframe Accessories

Metz Mount Complete **SO7060** **$18.95**

Metz Quick Release Shoe only
SO7062 ..... **$11.95**

RL/c Flash Mount Extension Arm
SO7034 ..... **$8.95**

Stroboframe R4a Diffusalite
SO7018 ..... **$29.95**

Accessory Shoe **SO7012** **$4.95**

Off-Center Tripod Adapter
SO7014 ..... **$7.95**

Norman 200B Mounting Screw
SO7026 ..... **$.95**

¼/20 Adapter **SO7032** **$8.95**

Twin Flash Umbrella Clamp
SO7040 ..... **$19.95**

Lumedyne 053 Supercycler

Increases the efficiency of your flash by decreasing the recycle time to 1.5 seconds for shoe mount and 3 seconds for handle mount strobes. The Supercycler delivers more than 350 flashes from the smallest battery in the manual mode. The battery modules are identical to the units used with the Lumedyne portable system. The Lumedyne Supercycler 053 module is available in two versions - one powers up one flash and the other has two outlets for connecting two flashes. Requires battery, charger and high voltage cable.

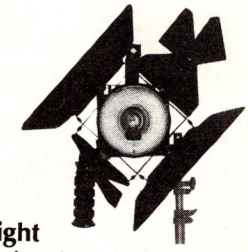
For Sunpak:
Lumedyne Supercycler **LU8010** **$67.95**
Supercycler with dual outlet
LU8012 ..... **$69.95**
High voltage cable **SU4506** **$11.95**

For Vivitar:
Lumedyne Supercycler **LU8000** **$67.95**
Supercycler with dual outlet
LU8002 ..... **$69.95**
HVC-1 Cable **VR4536** **$13.95**
Lumedyne Mini Battery **LU5002** **$57.95**
Lumedyne Regular Battery
LU5004 ..... **$109.95**
Lumedyne Super Battery **LU5006** **$159.95**
Lumedyne Trickle Charger **LU5030** ... **$12.95**
Lumedyne Quick/Trickle Charger
LU5034 ..... **$47.95**

(see page 93 for battery/charger specs.)

LIGHTING
Lowel

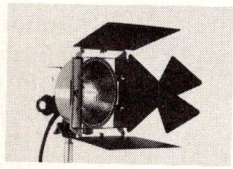
BULBS
For a complete listing of Tungsten and Photoflood Lamps, see page 170.



Lowel Omni-Light
The Omni-Light is a focusing unit with smooth beam patterns. Spot/flood range is 11:1. Weighs 27 ozs. without cable. Uses 650, 600, and 420 watt T. H. lamps. With 16' cable and switch. *Less lamp.*
LW1005 ..... **$109.95**
DYS 600 watt 3200° lamp **SY3065** **$20.95**

Lowel Omni Light Accessories*
Omni Complete Barndoor
Frame with two triangular, and two rectangular leaves. Rotates 360° and holds two accessories **LW3140** **$41.95**
Omni Barndoor Frame
Used to join two snoots together. No leaves are included **LW3145** **$22.95**
Omni Rectangular Leaf - has two extendable wings. **LW3150** **$9.95**
Omni Triangular Leaf - has two extendable wings. **LW3155** **$9.95**
Omni Diffused Glass - softens light and absorbs U.V. **LW3160** **$25.95**
Omni Dichroic Filter - converts 3200° K to average daylight and absorbs U.V.
LW3165 ..... **$64.95**
Omni Clear Glass - absorbs U.V.
LW3170 ..... **$22.95**
Omni Snoot - provides reduced circle of light. **LW3175** **$24.95**
Omni Full Scrim - reduces light by approx. one f/stop. **LW3180** **$10.95**
DYS 600 watt 3200° lamp **SY3065** **$20.95**

*Compatible with Dyna-lite Flash Heads.



Lowel DP Light
The DP light has a 7:1 focusing range with a smooth transition between its flood and spot positions. Weighs 3 lbs., 14 ozs., with built-in cable. Uses 1000, 750, and 500 watt T.H. lamps. *Less lamp.* **LW3500** **$114.95**
FEL 1000 watt 3200° lamp for DP light.
SY6045 ..... **$45.95**

Lowel DP Light Accessories
DP #3 Superspot Reflector - for high-intensity long "throws" (spot only) **LW3505** ... **$12.95**
DP #4 Gold Reflector - for special warm color effects. **LW3510** **$12.95**
DP Complete Barndoor - frame with two triangular and two rectangular leaves. Rotates 360° and holds two accessories.
LW3515 ..... **$53.95**
DP Diffused Glass - softens light and absorbs U.V. **LW3535** **$29.95**
DP Dichroic Filter - converts 3200° K to daylight and absorbs U.V. **LW3540** ... **$92.95**
DP Clear Glass - absorbs U.V.
LW3545 ..... **$25.95**
DP Snoot - provides reduced circle of light. **LW3550** **$32.95**
DP Full Scrim - reduces light by approx. one f/stop. **LW3555** **$12.95**
DP Half Scrim - covers half of the reflector and rotates 360°. **LW3560** **$12.95**
DP Graduated Scrim - clear, single and double sections produce gradual light fall-off.
LW3565 ..... **$15.95**
DP Frame - holds 12" x 16" gels
LW3575 ..... **$36.95**

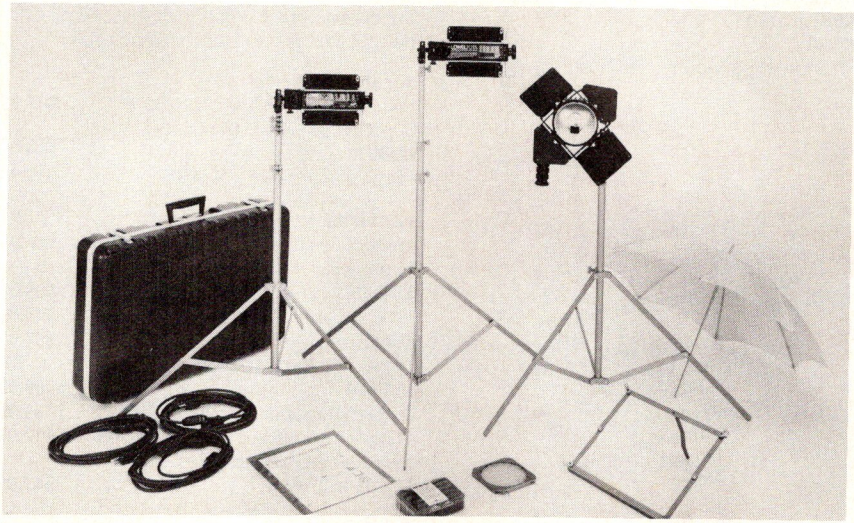


Lowel Softlight 2
The new Softlight 2 provides large-source indirect illumination. Uses two 500, 750, or 1000 watt. T.H. lamps. Weighs 8 lbs. with cable. *Less lamps.*
LW2500 ..... **$219.95**
EJG 750 watt 3200°k lamp (2 required)
SY4032 ..... **$34.95**
FDF 500 watt 3200°k lamp (2 required)
SY6024 ..... **$27.95**

Softlight Accessories
Softlight Complete Barndoor Set - includes two adjustable and two non-adjustable barndoors.
LW2505 ..... **$59.95**
Softlight Top/Bottom Door - adjustable doors.
LW2510 ..... **$26.95**
Softlight Side Door - non-adjustable
LW2515 ..... **$13.95**

need it
YESTERDAY?
Special 24-hour delivery available. Call for details.

Lowel Light-Kits
Lightweight, compact assortments of the versatile Lowel-light component systems, chosen to provide maximum utility in minimal space for a variety of location lighting requirements. Call for prices on other Lowel kits.



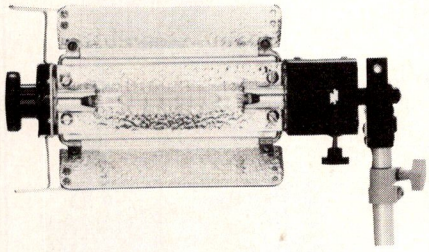
Basically 3 Kit
(2) Tota-Lights, 16' Cables (less lamps); (1) Omni-Light, 16' Cable, #1 Reflector (less lamp); (1) Omni-Barndoor; (1) Full Scrim; (1) Tota-Brella; (1) Tota-Frame; Assorted Gels; (3) Omni 9' Stands; (1) Tota/Omni Lampak; (1) Case, Total weight: 28 lbs. (pictured)
LW4010 ..... **$629.95**

Carry-on Kit
(3) Tota-lights, 16' Cables (less lamps); (3) Tota-Frames; Assorted Gels; (3) Tota-Flags; (1) Tota-Flector; (4) Flexi-shafts; (1) Tota-Mount; (1) Tota-Clamp; (1) small Space Clamp; (1) 12 yard gaffer tape; (1) Tota-Lampak; (1) Tota-Case. Total weight: 17 lbs.
LW4000 ..... **$509.95**

Trans-Kit
(3) Tota-Lights, 16' Cables (less lamps); (3) Tota-Brellas; (3) Omni 9' Stands; (1) Tota-Lampak; (1) Tota/Omni Molded Case. Total weight: 29 lbs. **LW4005** **$589.95**

DP 3 Kit
(3) DP Lights; #1 Reflector (less lamps); (3) DP Barndoors; (3) KS 9' Stands; (1) DP Lampak; (1) Multi Case. Total weight: 43 lbs.
LW4020 ..... **$849.95**

Lowel Tota-light



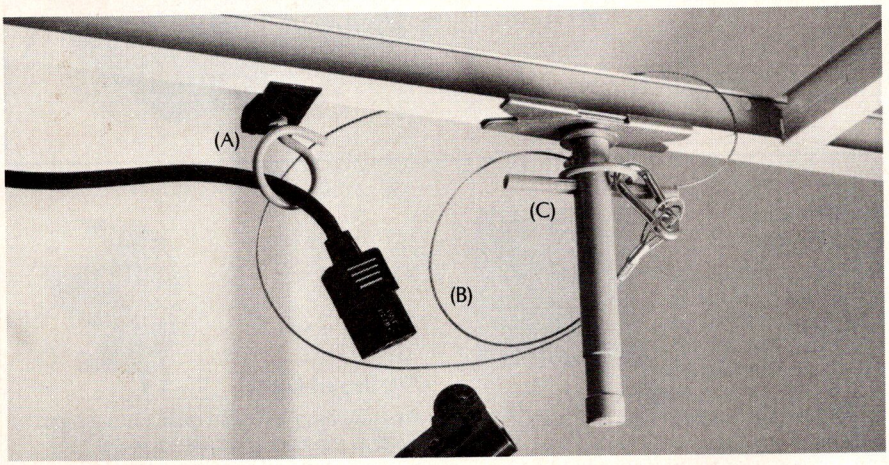
The amazing Tota-light combines efficient light output with even illumination in an unbelievably compact package. This extremely small, 22 oz. tungsten unit will produce up to 1000 watts of light. With its "gull-wing" center reflector and adjustable reflecting doors, the Tota-light provides unparalleled lighting flexibility. It has such a broad beam angle that it can actually light behind itself. It can cover three walls of a room from the fourth wall or all four walls from a corner – often with less than a half stop variation on all walls and corners. This, combined with its diminutive size and ease of mounting on walls, windows and door tops, makes it an ideal source for video interior sets and general area illumination.

Used directly, the Tota-light is a semi-hard light. With its gel frame and frost gel, it becomes a semi-soft bounce source, and with its umbrella, the Tota-light is a small soft light. Either the gel frame or umbrella locks onto the light and pans and tilts with it.

The Tota-light closes up like a clam for travel and storage. Two can be stacked on one stand or clamp without accessories, or two more can be added with each Tota-dapter. One of the most amazing assets to this unique light is the system of accessories available for it.

The Tota-light measures 2″ x 3″ x 11″ closed and includes a 16′ detachable cable. It mounts to 5/8″ or smaller studs.

LW1000 ..... **$84.95**



Accessories for Tota-lights

Lowel Tota-frame – holds 12″ gels
LW3010 ..... **$21.95**

Lowel Tota-brella – 27″ umbrella
LW3015 ..... **$26.95**

Lowel Tota-dapter – provides two flexishaft sockets for light stands up to 5/8″
LW3090 ..... **$12.95**

Lowel Tota-mount – supports lights on top of doors. Can also be gaffer-taped to windows and walls.
LW3080 ..... **$21.95**

Lowel Scissor-mount (C) – locks onto the T-bar grid of dropped-ceilings and supports Tota-lights.
LW2050 ..... **$15.95**

Lowel Cable-keeper (A) – used with Scissor-mount to hold power cables off the set and out of the shot. (Set of 2)
LW2055 ..... **$3.50**

Lowel Safety Cable (B) – this 34″ braided stainless-steel cable can add an extra measure of security to lights and accessories that are clamped to overhead pipes, beams, dropped-ceilings or top of sets. Sheathed in heat-resistant plastic and rated for 120 lbs..
LW2060 ..... **$8.95**

Lowel Tape-up Bracket – attaches Tota-lights to walls with gaffer-tape, nails or screws.
LW2070 ..... **$24.95**

Flexi-shaft – lightweight, flexible arms snap/lock into fittings on Tota-Light, Tota-Clamp, Tota-Tatch, and Tota-dapter. 16″ Flexi-shaft
LW3030 ..... **$15.95**

Tota-Clamp – clamps onto objects to 1 7/8″, has 5/8″ stud and 1/4-20 socket. Accepts 2 Flexi-shafts. **LW3070** **$15.95**

Tota-Tatch – small spring clip accepts Flexi-shaft **LW3020** **$9.95**

Tota-flag – 8″ x 12″ shadow control panel snaps onto Flexi-shaft.
LW3040 ..... **$13.95**

Tota-flector – 8″ x 12″ reflecting panel snaps onto Flexi-shaft. **LW3060** **$16.95**

Lamps for Tota-lights

FHM 1000 watt 3200° K lamp
SY6040 ..... **$28.95**

EJG 750 watt 3200° K lamp
SY4032 ..... **$34.95**

FDN 500 watt 3200° K lamp
SY6025 ..... **$26.95**

COMPETITIVE PRICES

BULBS
See p. 170 for a complete listing of replacement lamps.



Lowel i-light

The i-light is a small, 12 volt, battery powered, focusing source that uses inexpensive 55 and 100 watt automobile halogen lamps. It is supplied as a complete set with 100 watt lamp, stand-fitting, handle, Cam-link and Low-link *(the latter two for camera-top mounting)*. The i-light accepts the same accessories as the Pro-light and it connects to a cigarette lighter.
LW1030 ..... **$89.95**

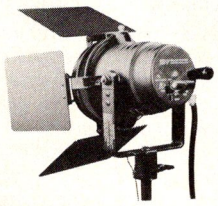
Lowel Pro-light

This small and versatile focusing light has a protective glass filter and uses halogen lamps of 120 volts, 250 watts; 30 volts, 200 watts and 12 volts, 100 watts. It accepts a super-spot reflector, unique barndoors and swing-in accessories. It also uses Lowel Tota light controls *(Tota-brella, Tota Frame for gels and Tota-Flags)*.
LW1020 ..... **$84.95**

Lowel V-light

This 120, 220 and 240 volt, 500 watt, wide-angle source uses a low pressure halogen lamp in a removable, protective shield. The V-light can light a small room, yet fits into a large pocket! It accepts the same accessories as the Pro-light and i-light.
LW1040 ..... **$77.95**

BULBS
For a complete listing of tungsten and photoflood lamps, see pg. 170.



Professional Focusing Quartz 710 & 720

Professional focusing quartz light units. Rear mounted focusing lever allows easy flood to spot control. Double wall vented aluminum construction with spun aluminum reflector. 10' 3 wire grounded cable with in-line switch. 3/8-5/8" mounting.

710 At a distance of 15' the #710 produces a light intensity of 75 foot candles with a flood beam diameter of 10' 6".
(requires 600 watt DYH lamp.)
SV3919 ..... **$91.95**

720 At a distance of 15' the #720 produces a light intensity of 65 foot candles with a flood beam diameter of 12'.
(requires 1000 watt FBY lamp.)
SV3990 ..... **$106.95**

Barn Door for 710 **SV3921** **$31.95**
Single Scrim for 710 **SV3922** **$12.95**
Barn Door for 720 **SV3931** **$39.95**
Single Scrim for 720 **SV3932** **$14.95**
DYH 600 w 3200° K Lamp
SY3063 ..... **$24.95**
FBY 1000 w 3200° K Lamp
SY6017 ..... **$37.95**



Smith Victor Quartz Unit Q60

General purpose 600 watt unit with baffled and vented construction for cool operation. Comes with permanently attached 2-leaf barn doors. At a distance of 15' the Q60 produces a light intensity of 22 foot candles with a beam diameter of 20'.

Specifications:
- Rating: 120V-5.4 amps @ 600 watts
- Requires DYS 600 watt lamp
- Cable: 10', 3-wire grounded
- Mounting: Universal-3/8" to 5/8"

SV3918 ..... **$64.95**
DYS 600 W 3200° K Lamp
SY3065 ..... **$20.95**

K2RA 1800 Quartz Location Kit

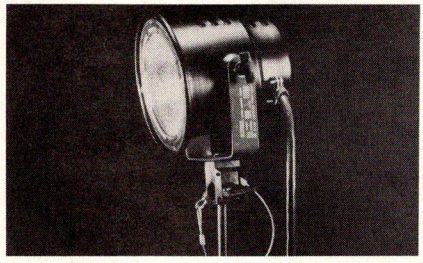
Includes 3-700 quartz lights. 3-DYH lamps, 3-S6R 6' stands, and carrying case. Ideal for video.
SV3501 ..... **$199.95**





Smith Victor Quartz 700

Economical and compact 600 watt flood featuring a broad, even 40° beam pattern. At a distance of 15' the #700 produces a light intensity of 50 foot candles with a beam diameter of 13'. Supplied with a 75 hour, DYH lamp rated at 3200° K. Features 10' two-wire cord, universal 3/8" to 5/8" mounting and etched aluminum reflector. Weighs only 1 lb. 2 oz.
SV3917 ..... **$59.95**
DYH Replacement lamp for #700
SY3063 ..... **$24.95**



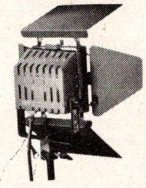
Smith Victor Quartz 760

Fixed focus 600 watt unit features a high efficiency pebble-finished aluminum reflector with a 30° angle. At a distance of 15' the #760 produces a light intensity of 100 foot candles with a beam diameter of 7'. Mounts to 3/8" and 5/8" stands and weighs 1 lb. 12 oz..
(Requires a DYH lamp.)
SV3960 ..... **$77.95**

DYH 600 w 3200° K lamp
SY3063 ..... **$24.95**

#771 Barndoors for 760/770
SV3965 ..... **$36.95**

#712 Single Scrim for 760/770
SV3967 ..... **$12.95**



770 Broad Light

An economical 600 watt quartz broad light which is compact and constructed of aluminum for cool operation. At a distance of 15' the #770 produces a light intensity of 31 foot candles with a beam of 22' (W) x 16' (H). Mounts to 3/8" and 5/8" stands and weighs 2 lbs. (Requires a DYH lamp.)
SV3970 ..... **$69.95**
DYH 600 w 3200° K lamp
SY3063 ..... **$24.95**

750 Broad Light

This 1000 watt quartz broad light provides rectangular, flat, even fill illumination over large areas. At a distance of 15' the #750 provides a light intensity of 50 foot candles with a beam of 19' (W) x 17' (H). Permanently attached 4-leaf barn doors. Large insulated handle for easy adjustment. 10' 3-wire grounded cable with in line switch. 3/8" to 5/8" mounting.

750 (requires 1000 watt FHM lamp.)
SV3992 ..... **$129.95**
Single Scrim for 750 **SV3952** **$12.95**
FHM 1000 w 3200° K Lamp
SY6040 ..... **$28.95**

740 Broad Light

At a distance of 15' the #740 provides a light intensity of 32 foot candles with a beam of 19' (W) x 17' (H). Mounts to 3/8" and 5/8" stands and weighs 4 lbs. 3 oz. (Requires 650 watt FBX lamp.) **SV3991** **$119.95**
FBX 650 w 3200° K frosted lamp
SY6015 ..... **$26.50**

Prices are subject to change without notice.



PL Studio Lights

Feature 55% greater light output than-ordinary wire-brushed reflectors.

PL12 Light w/12″ reflector yields 60° beam when used with 500 w photo lamp.
SV3860 ..... **$59.95**

PL10 Light w/10″ reflector yields 50° beam when used with 250 w photo lamp.
SV3865 ..... **$51.95**

PL8 Light w/8″ reflector yields broad 100° beam when used with 500 w photolamp.
SV3870 ..... **$51.95**



Ultra Cool Studio Lights

Designed to perform at a much lower operating temperature than conventional units, with integral baffles and vents for excellent heat dissipation.

A50 5″ Reflector yields 60° beam when equipped with 250w lamp. UL listed.
SV3810 ..... **$39.95**

A80 8″ Reflector yields broad, flat 100° beam when used with 500w lamp. UL listed.
SV3812 ..... **$39.95**

A100 10″ Reflector yields 50° beam when used with 250w lamp. UL listed.
SV3814 ..... **$39.95**

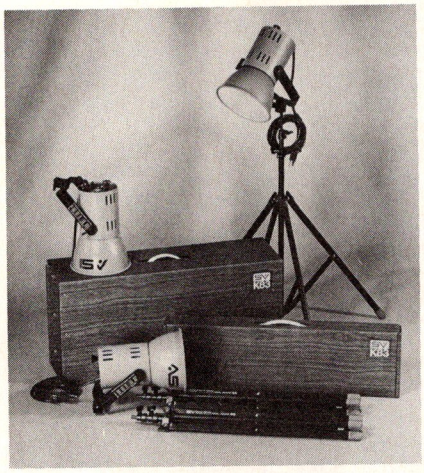
A120 12″ Reflector yields 60° beam when used with 500w lamp. UL listed.
SV3816 ..... **$49.95**

A160 16″ Reflector yields 60° beam when used with 1000w mogul base lamp.
SV3820 ..... **$99.95**

Lamps for PL and Ultra Cool Lights

ECA 250 watt 3200° K **GE4100** **$2.75**
ECT 500 watt 3200° K **SY4025** **$3.25**
ECV 1000 watt 3200° K **GE4120** **$14.95**

BULBS
For a complete listing of tungsten and photofield lamps, see page 170.



K83 1500 Watt Photoflood Location Kit

Includes 3-A80 ultra cool studio lights, 3 ECT lamps, 3-S9 4-leg 6′ steel stands, 1 light case, and 1 stand case. **SV3520** **$189.95**

K82 1000 Watt Photoflood Location Kit

Two-light version of K83 **SV3521** **$139.95**



Economical Portrait Lighting

Smith-Victor's K6R Portrait Kit offers 1250 watts of lighting power at a budget-oriented price. Includes the following: one A5 5″ reflector, socket and cord assembly, two A10UL 10½″ reflectors, sockets and cord assemblies, one 250w 3200° K photo lamp; two 500w 3200° K photo lamps; three S7 6′ steel stands, one storage and carrying case. **SV3515** **$129.95**

Barndoors for PL and Ultra Cool Lights

2-leaf Barn Doors with rolling rim mounts.

BD50 fits A5, A50
SV4313 ..... **$22.95**

BD80 fits A8UL, A80, PL8
SV4315 ..... **$27.95**

BD100 fits A10UL-A, A10UL, 90UL, 910UL, A100, PL10
SV4317 ..... **$34.95**

BD120 fits A12UL, A120, Q120, Q125, PL12
SV4319 ..... **$36.95**

BD160 fits A160
SV4321 ..... **$54.95**

Smith Victor Lexan® Diffusion Screens

DP10 fits A10UL-A, A100, 900UL, 910HUL.
SV4510 ..... **$13.95**

DP12 fits A12UL, A120, Q120, Q125.
SV4513 ..... **$17.95**

DP16 fits A160 **SV4515** **$23.95**



Photogenic Minispot Spotlight

This small yet powerful, all-purpose spotlight has earned a reputation as an industry standard based upon its years of dependable service to studio and location photographers. While it weighs only 2¼ lbs. and is less than six inches high, the Minispot is versatile enough to power either a 100 or 200 watt lamp to project a focusable spectrum of lighting effects from a small intense spot to a broad flood of smooth light. Ideally suited for highlighting portraits or small products. The Minispot's unique design features exceptionally efficient ventilation and heat dissipation, which prolongs lamp life. A three inch heat-resisting fresnel lens is mounted in a removeable ring which has clips for holding diffusers, snoots or barndoors, which are all available for additional light control.

Other Minispot features include a variable position yoke with a ⅜″ mount and a 15′ 3-prong cable with in-line switch. Lamp is not included. Dimensions: 5¾″ x 5″ x 4″
PG2100 ..... **$99.95**

Minispot Accessories

Diffuser (7801) **PG2104** **$11.50**

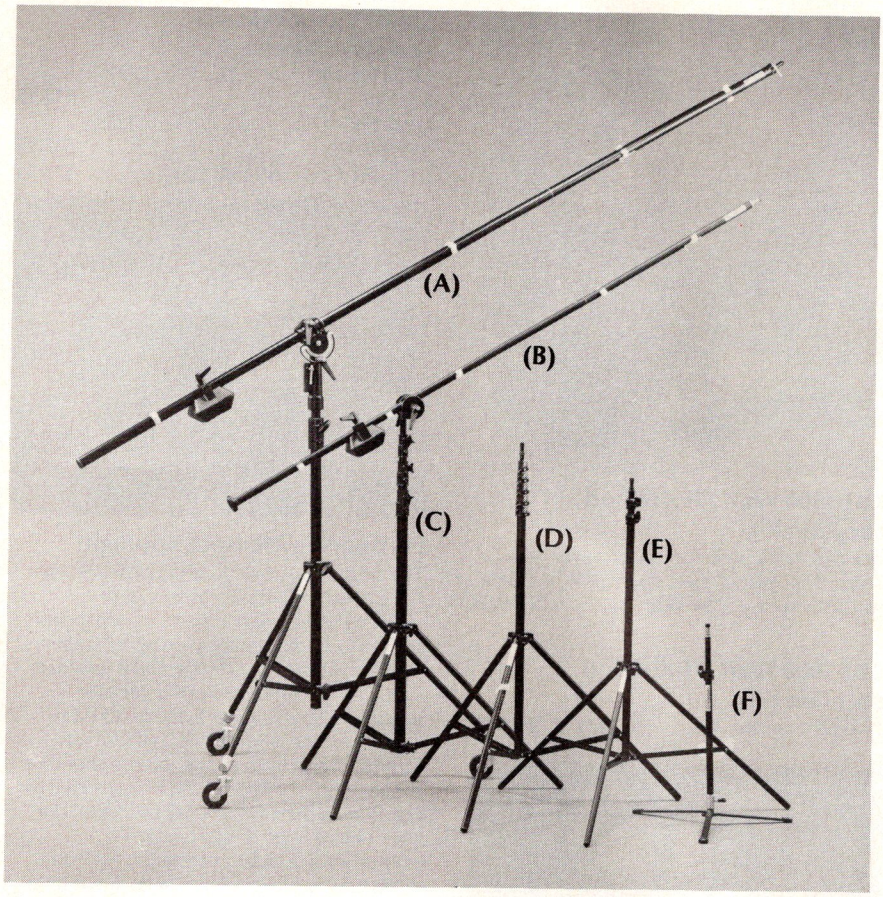
Snoots, set of 2 (7802)
PG2106 ..... **$28.95**

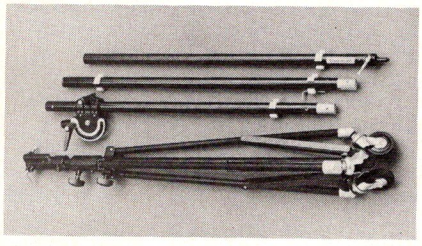
Barndoors (7804)
PG2108 ..... **$35.95**

BEJ 200 w 3150° Lamp
SY1040 ..... **$12.95**

FEV 200 w 3200° Quartz Lamp
SY6032 ..... **$24.95**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery,
Monday through Friday
8 a.m. to 5:30 p.m.
(central time).

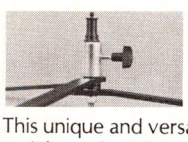




Calumet Manual Boom (A)

This studio boom features aluminum construction. It's 3-section pivoting boom arm extends over 8 feet and comes complete with an adjustable 14.75 lb. counterweight and 5/8" stud. Boom sections are locked together with allen wrench screws. Three nylon clips are provided to attach your light cable to the boom. Stand height is adjustable from 51" to 86½".

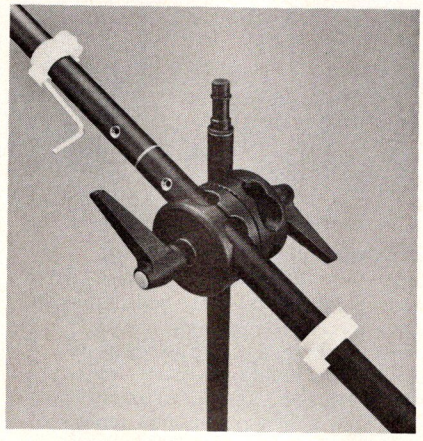
MF3620 ..... **$189.95**



Calumet Backlite Stand (F)

This unique and versatile Backlite Stand weighs under 3 lbs. and features a base-mounting light attachment for extreme low angle lighting (shown above). Base attachment is a 5/8" spigot with both 1/4"-20 and 3/8" threads. This 2-section stand has a maximum height of 2½ feet and includes a 5/8" stud and both 3/8" and 1/4" threads.

MF3600 ..... **$24.95**

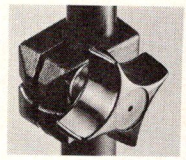


Calumet Light Boom Arm (B)

Calumet has finally found a solution to the age-old question, "Where can I find a low-priced, sturdy, universal light boom?" The Calumet Light Boom Arm has put that quest to rest! This compact, 3-section, 6' boom arm, with pivoting clamp and 9½ lb. counterweight will fit most standard light stands. It is strong enough to support most tungsten lights and studio strobes with or without a medium size light box.

The Calumet Light Boom Arm has a non-reflective, black anodized surface and is constructed of light weight aluminum tubing. It includes a 5/8" stud and 3/8" thread. Three nylon clips are provided to attach your light cable to the boom.

MF3510 ..... **$69.95**



Calumet Compact Stand (E)

The Calumet Compact Stand features unusually rigid support and rugged construction for a stand of its size and is the perfect stand for still, cine or video location sets. This sturdy, 3-section stand folds down to a compact 34½," extends to 98", features an 11 lb. load capacity, and weighs a mere 2¾ lbs. This stand will easily accommodate virtually any tungsten light or strobe head mounted alone or with a medium size umbrella or light box.

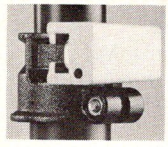
The Calumet Compact Stand is constructed with handsome black anodized aluminum tubing and features oversized, positive-locking knobs and leg support struts. It includes a 5/8" stud and 3/8" thread. This is truly a universal and utilitarian stand, and an unsurpassed value in studio necessities.

MF3505 ..... **$49.95**

Calumet Heavy Duty Light Stand (C)

This dependable stand is ideal for both studio and location still, cine or video sets. Unquestionably a "best buy" for a professional quality light stand. The 3400's 20 lb. load rating and 12½' max. height is outstanding considering its light weight (under 5 lbs.). The stand is constructed with black anodized aluminum shafts and enamel finished diecast parts for an attractive appearance. Knobs are oversize for secure locking and easy release. Collapsed length 41½ in. 5/8" stud with 3/8" thread.

MF3400 ..... **$69.95**



Calumet High-Boy Stand (D)

This 6-section stand extends to a remarkable 15½ feet, and yet folds down to a compact 3 feet. This diverse stand will help you out in those unusual situations where extra height is essential, and at the same time is a great all purpose light support. It's portably-light 4.2 pounds makes it an excellent choice for location work. Closed length: 39½". Minimum extended height: 3 feet. Comes complete with 5/8" stud and a 3/8" thread. Non-reflective, black anodized surface.

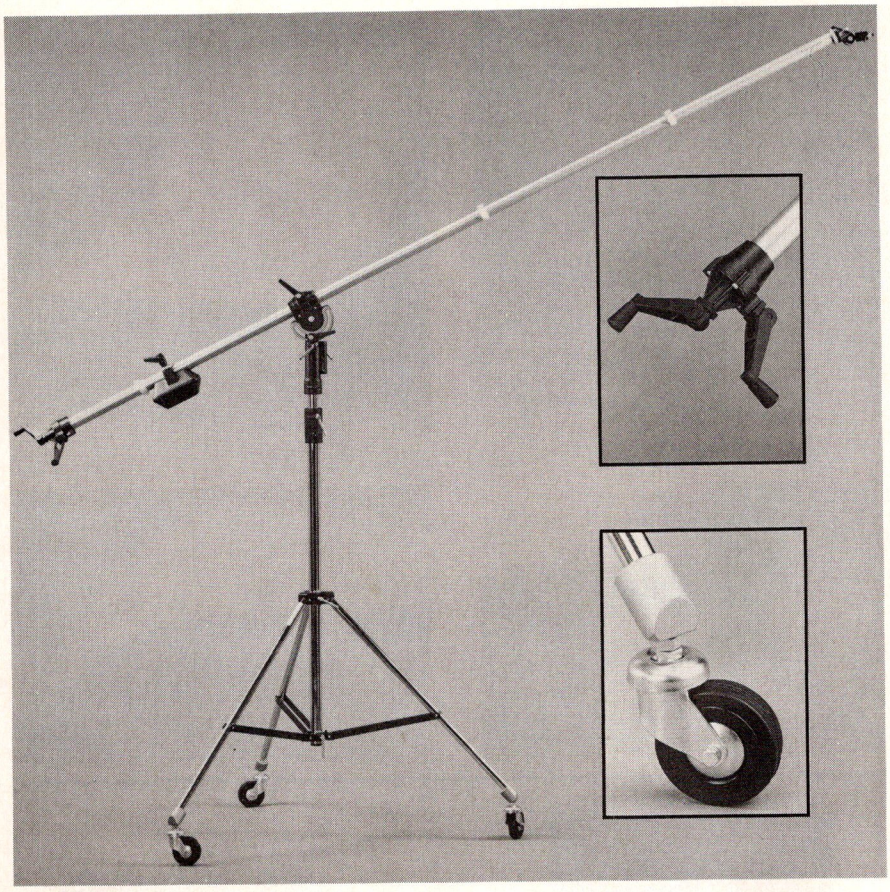
MF3610 ..... **$79.95**

Caster Set for Heavy Duty and High-Boy Light Stands

MF3401 ..... **$19.95**

Note: Stand measurements are made with the center leg supports in the horizontal position.

Prices are subject to change without notice.



Calumet Heavy-Duty Remote Control Boom

This heavy-duty professional studio boom allows you precision geared light directional control. Coaxial controls are conveniently located at one end of the boom arm, allowing you easy adjustments even when the boom and stand are fully extended. Dual drives provide a range of light movements of 180° (in a plane parallel to the boom) and 360° (in a plane perpendicular to the axis). A 8' 10" boom is counterbalanced with an adjustable counterweight, and is attached to a swivel mount with 180° adjustment. A 5/8" stud is provided for flash head attachment.

The boom arm assembly is mounted to a high quality chrome-plated steel stand which features smooth gliding casters. This fine stand is adjustable in height from 51" to 90½". Fully extended, the Calumet Heavy-Duty Remote Control Boom will easily handle light units up to 15 lbs., which makes it a practical choice for virtually any professional strobe head and light box combination. This complete boom unit is an essential addition to any studio.
(This model is shipped freight collect only.)
MF4440 ..... **$299.95**

Calumet Stand Adapters

Comet 1/4-20 Adapter – for older style Comet flash heads or other 1/4-20 threaded mounts.
BG5001 ..... **$6.95**

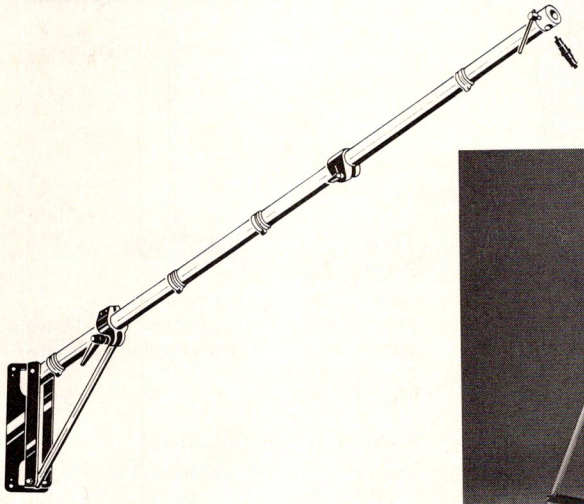
Broncolor Adapter
BG5000 ..... **$5.95**

Mole Richardson Adapter
BG5002 ..... **$5.95**

Novatron 3/8" Adapter
NV4046 ..... **$4.50**

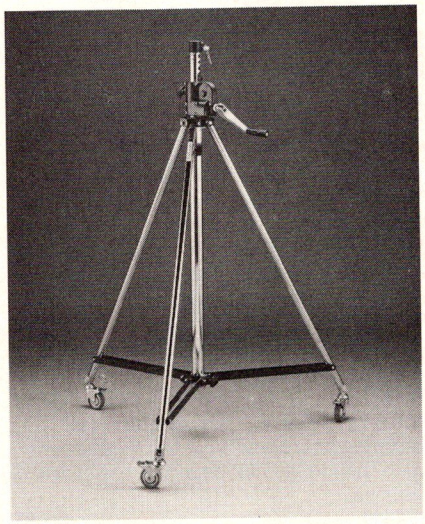
1/4-20 to 3/8" Adapter
BG5003 ..... **$2.95**

Calumet 3/8" Threaded Rapid Adapter
MF4701 ..... **$6.95**



Calumet Wall Mount Boom

This convenient studio boom will give you more usable floor space and is one less thing to trip over in a crowded studio. The two-section Calumet Wall Mount Boom features a maximum extension of 82.67" (minimum extension is 47.2") and provides plenty of movement with 160° vertical and 180° horizontal rotation from its swival mounting bracket. Fully extended, the Wall Mount Boom will handle up to a 9.90 lb. load. A 5/8" adapter has both 1/4-20 and 3/8" threads to accept a wide variety of lighting units. Comes in a non-reflective black finish.
MF4550 ..... **$99.95**



Heavy Duty Wind-Up Stand

Provides a heavy duty crank to raise and lower the boom assembly. Ideal for precise height adjustment of heavier cine lights or light boxes, and as a stand for boom arm. Features universal 1 1/8" socket and 5/8" males stud. Supplied with large locking casters.
MF3660 ..... **$329.95**

Calumet Shot Bag

This heavy duty black cordura Shot Bag is double sewn in the seams and corners and contains 10 lbs. of lead shot. The dense shot offers compact, maximum weight as well as pliable "wrap around" versatility. Fastens almost anywhere to equipment by means of a 17" Velcro hook and 10" loop hook on the bag itself. You can mold the bag and tighten the Velcro strap for snug fits on steep slippery booms, light stands and poles or tripods. Can be used on location for silks (frames), stands and kites in the wind or to weight or cradle long lenses. Great for counter-balances on curtains or backgrounds. Literally constructed to last a lifetime.
CC9122 ..... **$39.95**

in stock
AVAILABILITY
11,000 Professional Photographic Products.

Cambo Shooting Table

Whether you're shooting small products every day of the week or one day a month, the Cambo Shooting Table is the ideal studio accessory for you. This versatile table takes up minimal space (48"x60" at the base) and breaks down quickly for convenient storage.

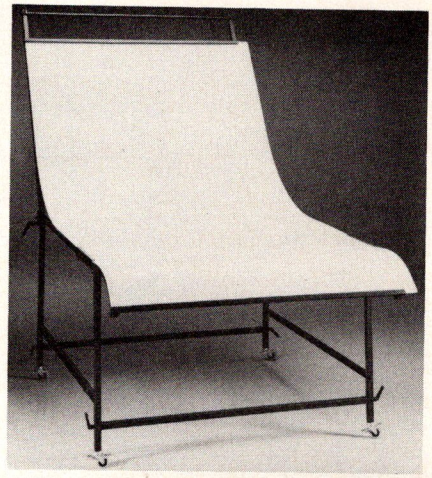
The Cambo Shooting Table will accept any 4'x8' plexiglas, masonite, formica or veneer surface (⅛" or thinner is recommended). The shooting surface is held flat by stabilizer bars at the front and back of the table, while two adjustable side clips lock the surface to the table. The front end of the table features an extended angle which allows extremely low camera angle shooting. The adjustable rear portion of the frame can be angled in any position, from flat to nearly 90°, and locks into position with convenient over-sized levers.

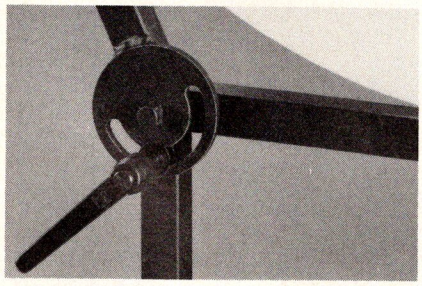
The Cambo Shooting Table also features a crossbar and hooks for holding seamless paper for added versatility. An optional locking caster set enables you to move the table anywhere in the studio or out of the way when it's not in use. The working height of the table with the casters is approximately 32". UPS Shippable. (Requires some assembly.)

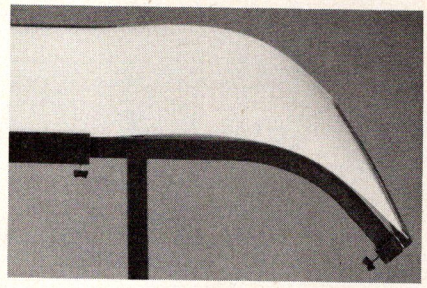
Cambo Shooting Table
CB0900 ..... **$349.95**

Caster Set for Shooting Table
CB0905 ..... **$27.95**







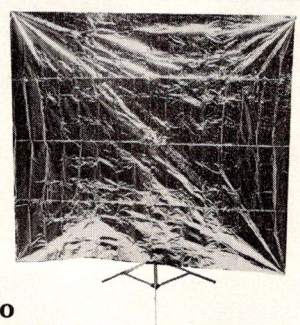


Backdrop Paper

53 inches (W) x 12 yards (L).

Choose from 16 different colors of seamless backdrop paper. These 53" wide rolls can be used with the Cambo Shooting Table, the Bogen Mini Background Support System, the Welt Background Support System or any homemade backdrop system.

#44 Jet Black **SL2044** **$14.95**
#22 Oxford Grey **SL2022** **$14.95**
#21 Pursuit Grey **SL2021** **$14.95**
#58 Slate Grey **SL2058** **$14.95**
#24 Dawn Grey **SL2024** **$14.95**
#28 Snow **SL2028** **$14.95**
#93 Arctic White **SL2093** **$14.95**
#11 Royal Blue **SL2011** **$14.95**
#60 Wedgewood **SL2060** **$14.95**
#20 Coco Brown **SL2020** **$14.95**
#25 Beige **SL2025** **$14.95**
#66 Wheat **SL2066** **$14.95**
#64 Fawn **SL2064** **$14.95**
#31 Mint Green **SL2031** **$14.95**
#50 Aspen **SL2050** **$14.95**
#56 Scarlet **SL2056** **$14.95**



Rosco Bounce Paks

Tough, lightweight, metallic coated polyester reflectors. Compact pocket size pack unfolds to 48" x 56". X-frame not included.

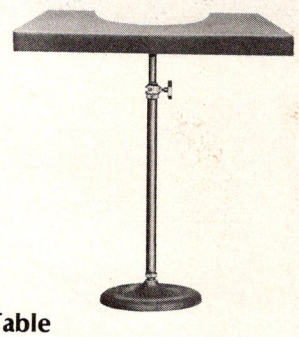
Rosco Pak F w/highly reflective silver surface
SV4470 ..... **$13.95**

Rosco Pak w/soft white surface
SV4474 ..... **$12.95**

Rosco Pak B w/metalized blue surface to balance tungsten to daylight.
SV4471 ..... **$13.95**

Rosco Pak G w/metalized gold surface for warming existing light.
SV4473 ..... **$13.95**

Rosco Pak X-Frame – This portable metal frame mounts to any ⅜" or ⅝" stand. Opens up to support 48"x56" Bounce Pak with velcro fasteners.
SV4410 ..... **$34.95**



Tony Posing Table

Height can be adjusted from 28" to 48". Construction of table: plywood covered with black felt. Chrome plated column is mounted on a round iron base.
PG2210 ..... **$155.00**

Photogenic Posing Stool

Designed specifically for portrait sittings, this mechanically adjustable stool allows you to change seat height infinitely within a specified range. Constructed of chrome-plated steel and polished cast aluminum and guaranteed for 10 years.
PG2215 ..... **$59.95**

Photogenic Pneumatic Stool

Adjustment is powered by a gas and oil pressure cylinder controlled by a single lever.
PG2220 ..... **149.95**

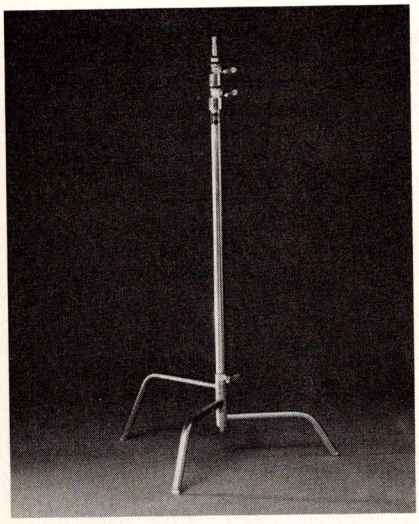
Vinyl Seat Cushion

Provides extra sitter comfort to either Photogenic stool.
PG2225 ..... **$15.95**

toll free
TECHNICAL ASSISTANCE

Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

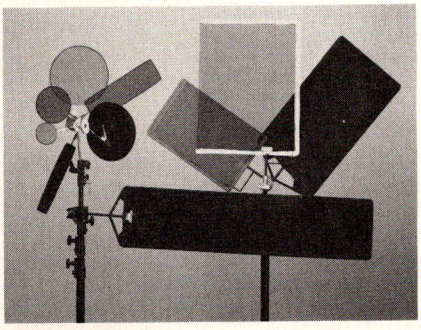
COMPETITIVE PRICES



Matthews C+ Stand Set

This heavy-duty light stand is extremely rugged and dependable. The C+ features a convenient detachable base for easy portability. This stand extends to 107″ and folds to 53″. Comes complete with 5/8″ mount.

MW1000 ..... **$165.00**



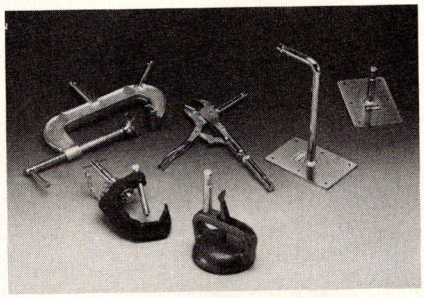
Matthews Light Control Devices

Matthews scrims reduce light output (Singles by 30%, Doubles by 50%) without a change in color temperature to creatively control highlights and shadows. Flags and cutters are opaque devices designed to hold back unwanted light. Dots and fingers reduce light intensity to selected areas and feature long handles to facilitate placement. All mount directly to Matthews Grip Heads or to 5/8″ studs adapted with a 5/8″ female converter.

12″ x 18″ Single Scrim	**MW3018**	**$28.00**
12″ x 18″ Double Scrim	**MW3118**	**$29.00**
18″ x 24″ Single Scrim	**MW3024**	**$33.00**
18″ x 24″ Double Scrim	**MW3124**	**$36.00**
12″ x 18″ Flag	**MW3318**	**$33.00**
18″ x 24″ Flag	**MW3324**	**$36.00**
10″ x 42″ Cutter	**MW3442**	**$36.50**
18″ x 48″ Cutter	**MW3448**	**$44.00**
2″ x 12″ Single Finger	**MW3512**	**$19.00**
4″ x 14″ Single Finger	**MW3514**	**$19.00**
2″ x 12″ Double Finger	**MW3522**	**$21.00**
4″ x 14″ Double Finger	**MW3524**	**$21.00**
3″ Single Dot	**MW3103**	**$17.00**
6″ Single Dot	**MW3106**	**$17.00**
10″ Single Dot	**MW3110**	**$17.00**
3″ Double Dot	**MW3203**	**$19.50**
6″ Double Dot	**MW3206**	**$19.50**
10″ Double Dot	**MW3210**	**$19.50**
3″ Solid Dot	**MW3003**	**$17.00**
6″ Solid Dot	**MW3006**	**$17.00**
10″ Solid Dot	**MW3010**	**$17.00**

5/8″ Female Converter Socket
BG5004 ..... **$4.95**

See Page 119 for more mounting hardware.



Matthews Grips, Clamps and Mounts

Vise Grip with 5/8″ Male Stud
MW2100 ..... **$37.00**

Baby Pipe Clamp with 5/8″ Male Stud
This C-shaped clamp allows 5/8″-mount lighting fixtures to be hung from horizontal pipes up to 1 1/2″ diameter. Clamp slides freely without danger of falling and can be safely locked into any position.
MW2105 ..... **$29.50**

Standard "C" Clamp with Two 5/8″ Male Studs
This 6″ clamp is ideal for uses which demand extremely secure and quick mounts.
MW2110 ..... **$38.00**

Wall Mounts
These versatile plates can be nailed or taped to practically any surface for holding small light fixtures or flash heads.

3″ Straight Wall Mount with 5/8″ Stud
MW2111 ..... **$12.00**

Right Angle Wall Mount with 5/8″ Stud
MW2112 ..... **$15.00**

Single Suction Cup with 5/8″ Stud
Designed to mount small lighting fixtures and lightweight grip equipment to any non-porous surface. **MW2113** **$75.00**

Receive a FREE full-line Matthews catalog with your first order. Calumet carries a wide selection of Matthews light support equipment. Call for details.

to order call toll free
1-800-CALUMET
1-800-225-8638

Grip Heads
These two-sided mounting adapters accept a 5/8″ or smaller stud on one side and a choice of 5/8″, 1/2″ or 3/8″ studs and irregular shapes on the other side. Attaches to light stands to hold accessories. Grip Heads with extensions can be used to secure flags, scrims, props, foamcore, etc.

Grip Head
MW2003 ..... **$24.50**

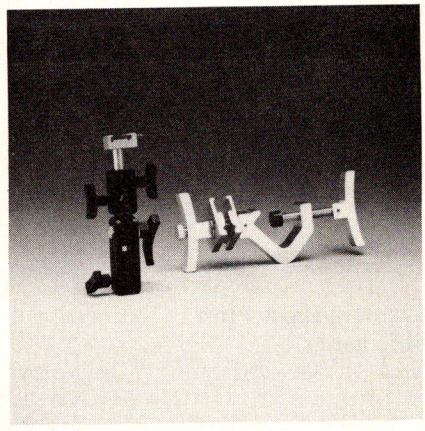
Grip Head with 40″ Single Extension
MW2000 ..... **$54.00**

Grip Head with 80″ Double Extension
MW2005 ..... **$83.50**

Double Grip Head
This versatile "building tool" features two sets of gripping plates which can be independently locked.
MW3005 ..... **$38.00**

Flex Clamp
This spring clamp will hold a wide range of reflectors, gels, etc. Mounts directly to Grip Heads or to Bogen Articulated Arm with adapter (BG5004). **MW3000** **$8.50**

5/8″ Female Converter Socket
BG5004 ..... **$4.95**



Calumet Mount Clamps

- Made of extruded aluminum, completely machined.
- Lightweight design.
- Spring loaded for easy and fast insertion.
- Teflon tipped to prevent scratches.
- Guaranteed for 5 years against all defects.

Light and Umbrella Mount Clamp
Completely safe single unit has no loose parts. Mounts to umbrella, light stand, reflector or tripod . . . up to 2″ in diameter. Teflon tip prevents damage to light stands.
BY1000 ..... **$19.95**

Umbrella Shoe Mount Clamp
Achieves any angle desired. This versatile clamp mounts to any 3/8″ light stand and accepts any umbrella with 3/8″ or smaller shaft.
BY1010 ..... **$18.95**

Calumet Mounting Hardware
Calumet Handle Bar Strobe Mount - Metz
BY1020 ..... **$18.95**
Calumet 3-Way Mounting Bracket
BY1060 ..... **$19.95**
Calumet Light Mount **BY1040** **$18.95**

The Chimera System

This comprehensive lighting product line features highly portable, durable and efficient lightbanks and accessory components. Call for a free copy of Chimera's complete catalog and for price and availability of items not listed below.

Super Pro Banks*

Chimera's top of the line Super Pro Bank features a recessed screen which guards against flare and controls fall off. Interior surfaces are textured silver for saturation, specularity, and evenness.

Extra-small Super Pro – 16" x 22". Depth: 12". Recessed Front: 1½". Wt: 0.8 lbs.
CH1060 ..... **$119.95**

Small Super Pro – 24" x 32". Depth: 18". Recessed Front: 3" Wt: 1.4 lbs.
CH1065 ..... **$174.95**

Medium Super Pro – 36" x 48". Depth: 24". Recessed Front: 4½". Wt: 2.4 lbs.
CH1070 ..... **$249.95**

Large Super Pro – 54" x 72". Depth: 30". Recessed Front: 6". Wt: 4.4 lbs.
CH1075 ..... **$409.95**

Louvers for Super Pro Banks

Louvers for Extra-small **CH1040** **$124.95**
Louvers for Small **CH1042** **$179.95**
Louvers for Medium **CH1044** **$269.95**

60° Honeycomb Grid Spot for Super Pro Bank

Grid for Extra-small
CH1330 ..... **$120.00**
Grid for Small
CH1335 ..... **$200.00**
Grid for Medium
CH1340 ..... **$300.00**

Chimera Super Pro* Strip Banks

Small - 9" x 36" **CH1120** **$174.95**
Medium - 14" x 56" **CH1125** **$249.95**
Large - 21" x 84" **CH1130** **$409.95**

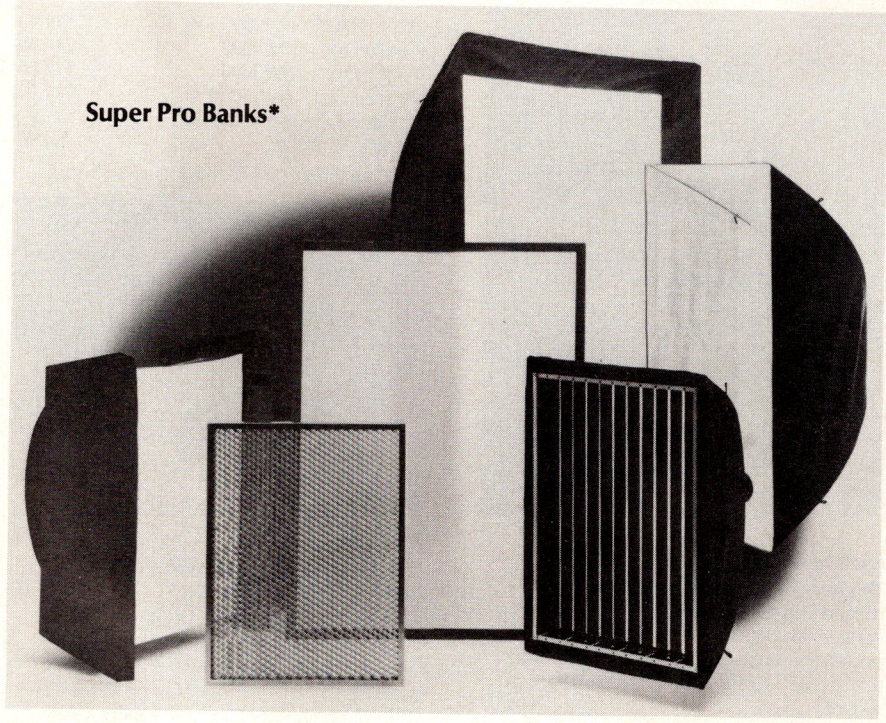
Pro Bank Plus*

This latest addition to the Chimera line features a new efficient fabric which makes the Pro Bank Plus a half-stop brighter than the original Pro Bank. This collapsible lightbank accepts up to three heads and barn doors.

Pro Bank Plus X-Small—16" x 22"
CH1140 ..... **$79.95**
Pro Bank Plus Small—24" x 32"
CH1150 ..... **$119.95**
Pro Bank Plus Medium—36" x 48"
CH1160 ..... **$179.95**
Pro Bank Plus Large—54" x 72"
CH1170 ..... **$299.95**

Diffusion Scrims for All Pro Banks

Scrim for Extra-small
CH1310 ..... **$20.00**
Scrim for Small
CH1312 ..... **$30.00**
Scrim for Medium
CH1314 ..... **$45.00**
Scrim for Large
CH1316 ..... **$65.00**



Chimera II Light Banks*

Chimera reduced the cost of these banks by simplifying the design and using a new white coated, single layer side fabric, which has resulted in a full half stop gain in efficiency.

Chimera II Extra-small (16.5" x 22")
CH1016 ..... **$49.95**
Chimera II Small (24" x 32") – w/baffle
CH1017 ..... **$89.95**
Chimera II Medium (36" x 48") – w/baffle
CH1018 ..... **$139.95**
Chimera II Large (54" x 74") – w/baffle
CH1019 ..... **$219.95**

Chimera II Strip Banks

Small – 9" x 36" **CH1100** **$89.95**
Medium – 14" x 56" **CH1105** **$139.95**
Large – 21" x 84" **CH1110** **$219.95**

Chimera F2 Light Banks

The F2s offer unlimited head placement inside of a metallic silver interior. They can be suspended from above the set or be supported by four large stands.

F2 5' x 10' Bank **CH2000** **$1895.00**
F2 5' x 20' Bank **CH2005** **$3195.00**
F2 5' x 30' Bank **CH2010** **$4695.00**
F2 10' x 20' Bank **CH2020** **$4695.00**
F2 10' x 30' Bank **CH2025** **$6595.00**

Speed Rings for Studio Strobes

Note: "R" signifies rotating ring and "S" signifies stationary ring. Call for others.

Speedotron Black (R) **CH1205** **$40.00**
Balcar UR (S) **CH1210** **$48.00**
Calumet/Bowens (R) **CH1212** **$49.00**
Novatron Standard (S) **CH1214** **$32.00**
Comet CX24 II (R) **CH1266** **$48.00**
Dyna-lite (S) **CH1207** **$30.00**
Norman 2400 (R) **CH1217** **$48.00**
Impact (R) **CH1272** **$72.00**
Sunpak MS (R) **CH1246** **$24.00**

Chimera Heavy-Duty Stand Bracket

For mounting large model light banks and strip banks.
CH1250 ..... **$119.95**

*Requires use of speed ring for attachment to flash head.

Mini and Maxi* - New Convertibles!

Compact lightbanks designed to produce a soft, even light for on-camera flash. The new "convertible" models feature a silver lining and a front screen that rolls back for greater light efficiency. Regular models feature a white interior surface.

Chimera White Mini - 12" x 16"
CH1180 ..... **$44.95**
Chimera White Maxi 16" x 22"
CH1185 ..... **$54.95**
Chimera Convertible Silver Mini 12" x 16"
CH1190 ..... **$69.95**
Chimera Convertible Silver Maxi 16" x 22"
CH1195 ..... **$89.95**

Speed Ring Adapters for On-Camera Flash

For Small Shoe Mount Flash.
CH1420 ..... **$36.00**
For Large Shoe Mount Flash (Vivitar #283)
CH1421 ..... **$36.00**
For 38mm Handle Mount Flash.
CH1422 ..... **$40.00**
For 45mm Handle Mount Flash.
CH1423 ..... **$40.00**
For Norman 200B Flash/LH2.
CH1424 ..... **$28.00**
For Lumedyne Flash.
CH1425 ..... **$40.00**
(Call for other speed ring adapters available).

Prices are subject to change without notice.

Plume Wafer

This wafer-thin diffusion bank produces an unprecedented even light source. Tested to within one tenth of a stop from corner to corner, the Wafer utilizes some very unique and innovative engineering techniques to achieve such uniformity. The Plume Wafer is constructed of a European produced black nylon/bright silver laminate. This is the first bank to combine silver with white.

To enhance the evenness of light, Plume Wafers utilize a graduated deflection/transmission pattern printed on a translucent mylar sheet. This unique baffle allows more light to pass through towards the corners, while towards the center, the reflective semi-opaque pattern deflects the direct light backwards into the silver interior.

Also unique to the Plume Wafer is a removable front screen which can be mounted either flush or recessed to scrim the light. This allows you to use two screens at once for extra diffusion.

The wafer-thin profile is made possible by using a two-part support wand – the first half, a slightly-flexed hollow aluminum arrow shaft for heat resistance and durability and the lower half, a tapered fiberglass "fishing rod" for its accelerated curve. Last but not least, is a lightweight aluminum 360° rotating mount with insert. This allows the photographer to rotate the bank from vertical to horizontal.

All Plume Wafers include basic bank, rods, front diffusion screen, light evening baffle, flameproof cowl and a hard fabric covered case. (Requires Rotating Mount.)

Plume Wafer Small 22" x 30" x 9"
AF 2050 ..... **$239.95**
Plume Wafer Medium 30" x 40" x 12"
AF 2060 ..... **$299.95**
Plume Wafer Large 40" x 54" x 16"
AF 2070 ..... **$389.95**

Plume D'Frames

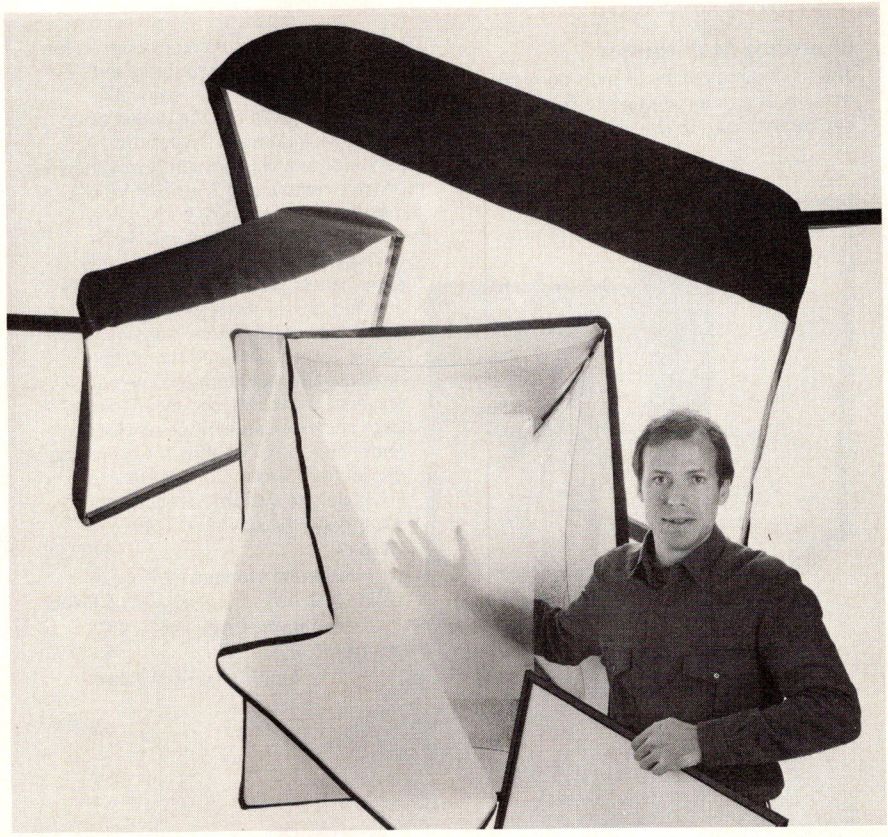
These new front frame options are available in two choices of diffusion materials. The D'Frame Translum uses Translum 2, a neutral, fairly dense plastic diffusion material, lightweight and inexpensive to change if it becomes soiled or dented. The D'Frame Lexan is more durable and a bit warmer – very similar to the heavier plexiglas materials D'Frames consist of a black anodized aluminum frame and are shipped partially assembled.

D'Frame Translum Diffusion Screens

For Small Wafer
AF2055 ..... **$57.95**
For Medium Wafer
AF2065 ..... **$79.95**
For Large Wafer
AF2075 ..... **$99.95**

D'Frame Lexan Diffusion Screens

For Small Wafer
AF2057 ..... **$89.95**
For Medium Wafer
AF2067 ..... **$114.95**
For Large Wafer
AF2077 ..... **$159.95**



Plume Honeycombs

This 60° shielded aluminum grid changes the Wafer into a broad, directional light source and improves color saturation. It also affects one of the smoothest light-to-dark graduations on subject or background - either back to front or front to back.

Honeycomb for Small Wafer
AF2058 ..... **$189.95**
Honeycomb for Medium Wafer
AF2068 ..... **$349.95**

Firelces

Heavy duty, translucent colored gels. Set of twelve 12" x 14" in assorted colors.
AF3000 ..... **$29.95**

Plume Ribbon Louvers

The ideal accessory for controlling light fall-off on a single plane, such as unwanted spill onto the background.

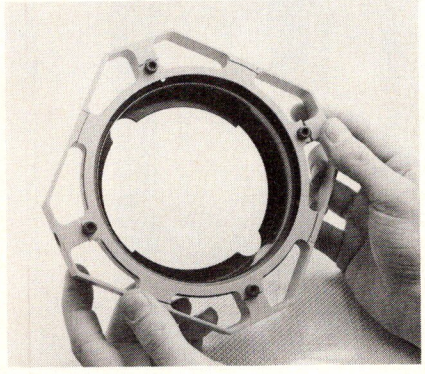
Ribbon Louvers for Small Wafer
AF2059 ..... **$269.95**
Ribbon Louvers for Medium Wafer
AF2069 ..... **$369.95**

COMPETITIVE PRICES

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.

Plume Rotating Mounts

All metal rotating mount offers quick adjustments from vertical to horizontal without removing light bank from flash head. The Wafer Mounting Ring is a sectional aluminum extrusion, pinned, tumble-finished and anodized gray. Mounts to Plume Wafer, as well as other brand light banks. Additional mounts are also available for other Flash Systems. Call for details.



Mount for Calumet/Bowens
AF2090 ..... **$49.95**
Mount for Speedotron
AF2080 ..... **$49.95**
Mount for Comet
AF2088 ..... **$49.95**
Mount for Dynalite
AF2086 ..... **$49.95**
Mount for Norman
AF2082 ..... **$49.95**
Mount for Balcar
AF2084 ..... **$49.95**

Photoflex Multidome

The Multidome combines such innovative features as an improved white coated interior and a removable recessed face.



The white PU coating is color balanced for greater light efficiency, durability and increased reflectivity. The removable recessed face gives you the option of using the Multidome as a parabolic reflector or as a diffused soft box. When the face is removed, a 2" strip of Velcro allows the use of louvers, grids, gels and hard diffusion screens. Included with each Multidome are four removable silver panels, which can be individually installed to vary the texture and specularity of light. An extra-wide strobe collar is designed for multiple head use. All Multidomes come with a universal headstrap, and the medium, large and extra large models include a removable interior baffle, for even light distribution. Strobe Connectors and a flush face are available as accessories.

Multidome Small - 16.5" x 22"
LT5010 ..... **$109.95**

Multidome Medium - 24" x 32"
LT5020 ..... **$154.95**

Multidome Large - 36" x 48"
LT5030 ..... **$219.95**

Multidome Extra Large - 54" x 72"
LT5040 ..... **$384.95**

to order call toll free
1-800-CALUMET
1-800-225-8638

Photoflex Litedome XTC

This extremely efficient soft box features a color balanced, PU coated, white interior which is extremely durable and produces about ½ f/stop more light than the original Litedome. Every XTC comes with its own protective carry bag and Universal Headstrap. A removable internal baffle is standard in the medium, large and extra large models to ensure even light distribution.

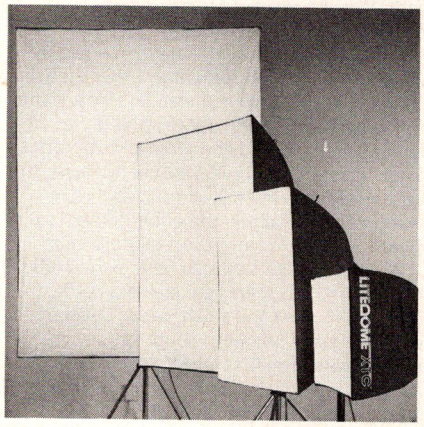
Litedome XTC X-Small - 12" x 16"
LT7000 ..... **$44.95**

Litedome XTC Small - 16.5" x 22"
LT7005 ..... **$59.95**

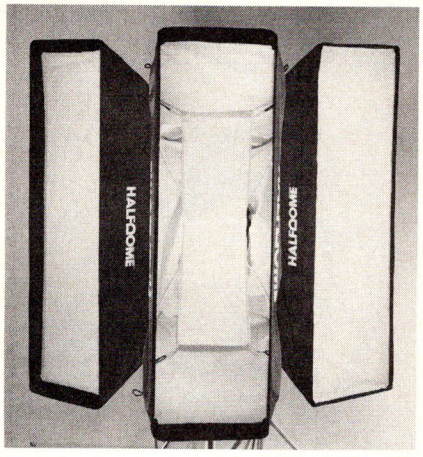
Litedome XTC Medium - 24" x 32"
LT7010 ..... **$79.95**

Litedome XTC Large - 36" x 48"
LT7015 ..... **$119.95**

Litedome XTC Extra Large - 54" x 72"
LT7020 ..... **$249.95**



Photoflex Halfdome



This soft, diffused "strip" light produces long highlights which are ideal for product, portrait and fashion work. Features wide Velcro collar to accept multiple heads, interior baffle and removable recessed front. Includes headstrap and carry bag.

Halfdome Small - 9" x 35"
LT6010 ..... **$99.95**

Halfdome Medium - 15" x 55"
LT6020 ..... **$164.95**

Halfdome Large - 21" x 85"
LT6030 ..... **$229.95**

Photoflex Strobe Connectors

Strobe Connectors allow you to attach and detach strobe heads to Litedomes as easily as your reflectors.

Speedotron Strobe Connector
LT4000 ..... **$24.95**

Novatron Strobe Connector
LT4060 ..... **$37.95**

Comet CX and CL Strobe Connector
LT4080 ..... **$29.95**

Calumet/Bowens Strobe Connector
LT4090 ..... **$37.95**

Dyna-lite Strobe Connector
LT4110 ..... **$24.95**

Broncolor Impact Strobe Connector
LT4120 ..... **$67.95**

Norman Strobe Connector
LT4020 ..... **$29.95**

Norman 2400 Strobe Connector
LT4021 ..... **$29.95**

Balcar Strobe Connector
LT4010 ..... **$24.95**

Photogenic Portamaster Strobe Connector
LT4100 ..... **$24.95**

Photogenic Studio and Flash Master Strobe Connector
LT4101 ..... **$37.95**

Norman 200B Strobe Connector
LT4040 ..... **$13.95**

Prices are subject to change without notice.

Photoflex Extra Small XTC

These 12" x 16" soft boxes mount directly to your camera bracket or lightstand for use with most portable flash units. Both soft white and efficient silver models include strobe connector and carry bag. Requires appropriate flash mount.

Extra Small Silver
LT0805 ..... **$49.95**

Extra Small Dedicated Flash Mounts
Available for shoe mount, round handle and square handle flash units.
Specify Flash **$13.95**



Calumet 40″ Silver Parabolic (A)
8-sided, double layered umbrella features a highly reflective silver interior which is backed with silver. This blend produces a highly efficient reflected light. Outside cover is black and shaft is 5/16″ diameter.
CE1815 ..... **$34.95**

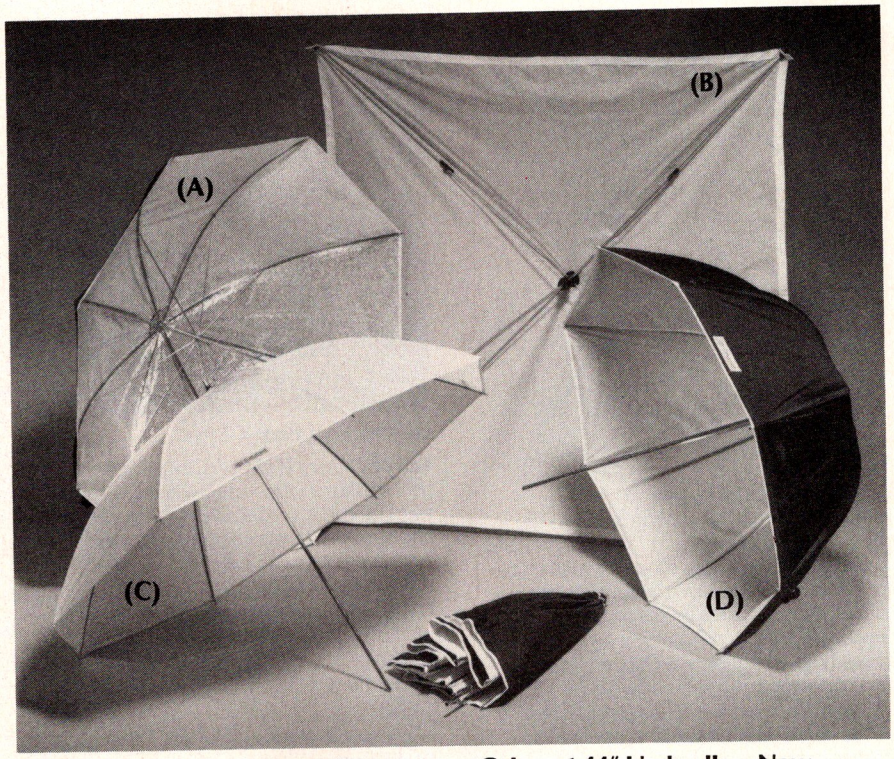
Calumet 43″ White Square (B)
Soft white square reflector. Some photographers prefer the square catch-light produced by this design.
CE3303 ..... **$44.95**

Calumet 40″ White Parabolic (C)
Now you can have umbrella AND soft box lighting qualities from the same unit. This unique 8-sided umbrella features a soft white, single-layer fabric which can be used for either shoot through or reflected applications. Shaft diameter is 5/16″.
CE1816 ..... **$27.95**

Calumet 40″ White/Silver Parabolic
This unique 8-sided umbrella features a white interior which is backed with silver. This blend produces a highly efficient reflected light. Outside cover is black and shaft is 5/16″ diameter. (not pictured)
CE1817 ..... **$44.95**

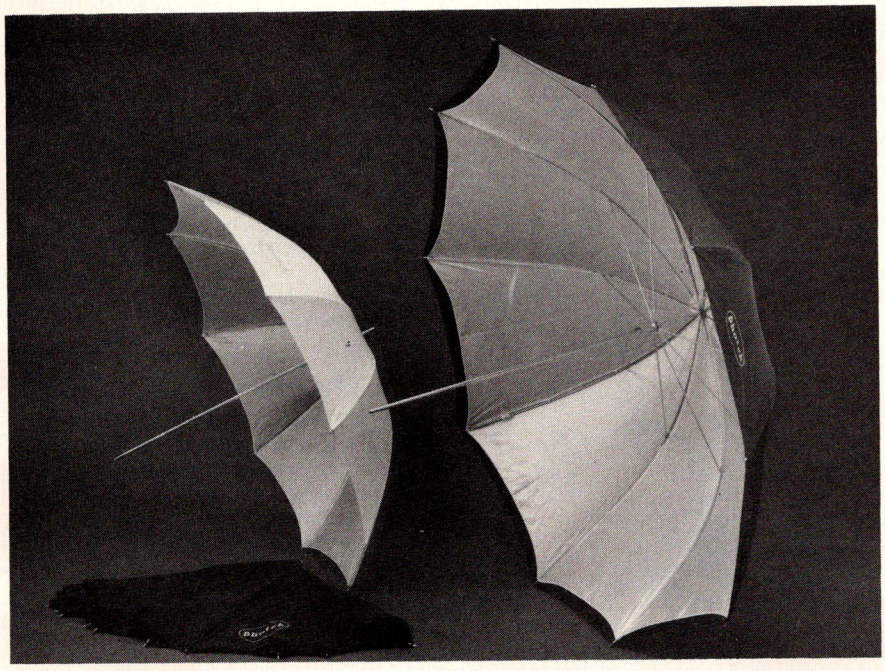
Calumet 43″ Silver Square
Features a highly reflective silver fabric and large surface area for maximum reflectance. 5/16″ diameter shaft. (not pictured)
CE3300 ..... **$44.95**

Prices are subject to change without notice.



Calumet 32″ Deep Control (D)
This 8-sided umbrella features a 15″ deep bowl design for greater control of light spread, such as feather lighting. Double-layered construction with inner white and outer black fabrics guarantees maximum refectance of light and greater output efficiency. Shaft diameter is 5/16″ which will fit most standard flash heads and umbrella reflectors.
CE1828 ..... **$49.95**

Calumet 44″ Umbrella—New
This fine quality 44″ diameter umbrella features single-layer cloth construction. Inner surface of soft silver surface provides "softness" with maximum reflectance and neutral color. Outer black surface provides protection from light loss through the umbrella. Thin 5/16″ diameter solid shaft for universal application. Closed length: 31″. (not pictured)
AU3008 ..... **$24.95**



Photek Goodliter Umbrellas
These high quality umbrellas give outstanding performance for two different lighting applications: reflection and diffusion. When used for reflective purposes, a black nylon shield covers the white umbrella for more efficient bounce output. When used as a broad, diffused (shoot through) light source, the light shield is removed. Available in two sizes.

40″ Photek Goodliter Umbrella
PK1040 ..... **$34.95**

54″ Photek Goodliter Umbrella
PK1054 ..... **$49.95**

Photek Diffusion/Grid
Increase your lighting control capabilities with the Photek Goodliter Umbrellas with this combination diffuser/grid. Control specularity, pattern and direction of light by simply placing the "D/G" over the face of the umbrella. Also serves as an excellent scrim when placed over part of umbrella face.

Diffusion/Grid for 40″ Goodliter
PK4000 ..... **$23.95**

Diffusion/Grid for 54″ Goodliter
PK5400 ..... **$32.95**



Larson Soff Box Super

These new rectangular Soff Box Supers are designed to produce a softer, more even, and controllable light. These shoot-through units are constructed of lightweight, nylon fabric with efficient silver inside panel, and removable front panel for easy access to strobe head maintenance. Custom, aluminum backplates (purchased separately) are available to mount all popular professional strobe heads, and allows different model strobes to be mounted concurrently in appropriate Soff Boxes. (Backplates ordered separately)

Soff Box Super 3 (for one head) 2ft. x 3ft.
LA6500 ..... **$89.95**
Soff Box Super 4 (one or two heads) 3ft. x 4ft. **LA6505** **$144.95**
Soff Box Super 6 (for one or two heads) 4ft. x 6ft. **LA6510** **$209.95**

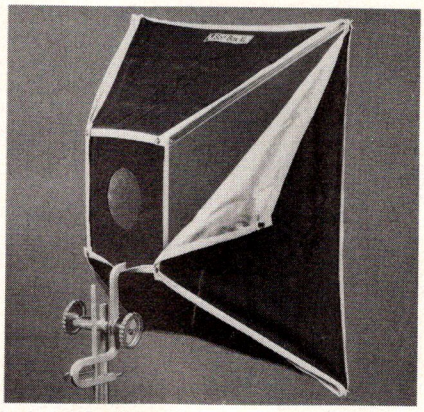
Adjustable Diffusers

Control light intensity & color temperature
Diffuser for Soff Box Super 3
LA4531 ..... **$8.95**
Diffuser for Soff Box Super 4 Units
LA4532 ..... **$9.95**
Diffuser for Soff Box Super 6 Units
LA4533 ..... **$13.95**

Backplates for Soff Box Supers

Soff Box Supers are not supplied with mounting plates. When ordering specify the proper plate, which are available for the following flash systems: Balcar, Bowens, Calumet, Novatron (standard or bare). Photogenic (name specific head), Speedotron or Universal. Specify your flash system when ordering backplates.

Backplates for Soff Box Super 3 ..... **$34.95**
Backplates for Soff Box Super 4 (one head) **$39.95**
Backplates for Soff Box Super 4 (two heads) **$59.95**
Backplates for Soff Box Super 6 (one head) **$49.95**
Backplates for Soff Box Super 6 (two heads) **$69.95**
Backplates for Soff Box Super 6 (three heads) **$89.95**

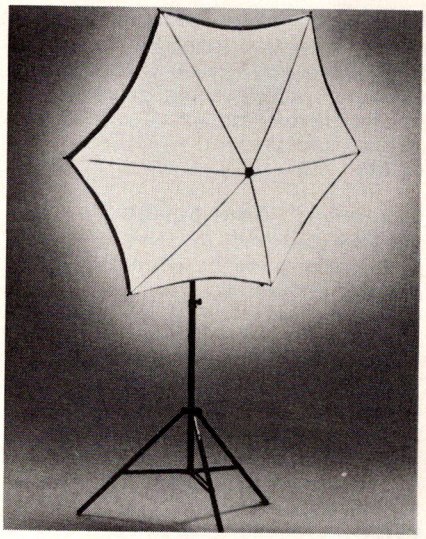


Larson Soff Box X-Less

Soff Box X-less The X-Less Soff Box design provides an unobstructed window of soft, even light that's especially ideal for portrait and commercial photography. This shoot-thru system produces an excellent effect with reflective products.
(Backplates ordered separately)
17" Soff Box X-Less
LA5001 ..... **$39.95**
27" Soff Box X-Less
LA5002 ..... **$64.95**
42" Soff Box X-Less
LA5003 ..... **$86.95**

Backplates for Soff Box X-Less When ordering backplate, specify which one of the following flash units Soff Box will be used with: Balcar, Calumet, Bowens, Novatron (Standard or Bare), Photogenic (Name specific head), Speedotron, Universal. Specify your flash system when ordering backplates.

Backplate for 17" Soff Box X-Less **$34.95**
Backplate for 27" Soff Box X-Less **$34.95**
Backplate for 42" Soff Box X-Less **$34.95**



Larson Starfish™

Larson Starfish A shoot-thru system designed to produce a soft wrap-around light. The domed front diffusion surface makes it possible to reflect fill from any position.
(Backplates ordered separately)
52" Starfish
LA5070 ..... **$84.95**
72" Starfish
LA5071 ..... **$139.95**

Backplates for Starfish When ordering backplate, specify one of the following flash units Starfish will be used with: Balcar, Calumet, Bowens, Novatron (Standard or Bare), Photogenic (Name specific head), Speedotron, Universal. Specify your flash system when ordering backplates.

Backplate for 52" Starfish **$34.95**
Backplate for 72" Starfish **$34.95**

to order call toll free
1-800-CALUMET
1-800-225-8638



Larson Soff Shoulder

The Soff Shoulder is an on-camera bounce light Reflectasol that turns harsh raw strobe light into soft light in any location. This unique portable system will adapt to all 35mm, 6 x 4.5cm and up to 6 x 7cm camera formats, can be mounted for either left or right hand use. Will accept one handlebar or two shoe-mount strobes. Ideal for wedding and location photographers. (Pictured at left.)
LA4215 ..... **$44.95**

Larson Shoulder Soff Box X-Less

On camera shoot-through soft light system designed to control harsh shadows and "red-eye" effect. This portable light weight system will accept both handlebar and shoe-mount strobes, may be used with all 35mm, 6 x 4.5cm, and up to 6 x 7cm format cameras.
LA4217 ..... **$76.95**

Larson Reflectasol® Reflectors

Both the Square and the Hex models, teamed with any tungsten, strobe, quartz or daylight source, provide soft and even illumination. Light mounts and stand clamps sold separately.

Square	36″	42″	42″ x 6′
	$38.95	**$44.95**	**$81.95**
Silver	LA3126	LA3128	LA3913
Super Silver	LA3116	LA3118	LA3911
Soft White	LA3136	LA3138	LA3915
Translucent	LA3166	LA3168	LA3919
Black	LA3176	LA3178	LA3921

Hex	32″	42″	52″	72″
	$34.95	**$38.95**	**$44.95**	**$71.95**
Silver	LA3522	LA3524	LA3526	LA3528
Super Silver	LA3512	LA3514	LA3516	LA3518
Soft White	LA3532	LA3534	LA3536	LA3538



Light Mounts and Stand Clamps are sold separately for Reflectasol Square and Reflectasol Hex Reflectors.

Larson Accessories

Stand Clamp for all Reflectasols (for stands up to ¾″ in diameter)
LA4410 ..... **$11.95**

Quick Mount for 2 shoe mount electronic flash units
LA4425 ..... **$12.95**

Handle Bar 1 light mount
LA4415 ..... **$12.95**

Handle Bar 2 light mounts
LA4417 ..... **$15.95**

SC2 Stand Clamp (will attach most umbrellas to any light stand up to 2″ in diameter).
LA4412 ..... **$15.95**

Larson Light Mount f/20″ Square
LA4400 ..... **$8.95**

Larson Light Mount f/27″ Sq. and 32″ Hex
LA4401 ..... **$9.95**

Larson Light Mount f/36″ Sq. and 42″ Hex
LA4402 ..... **$10.95**

Larson Light Mount f/42″ Sq. and 52″ Hex
LA4403 ..... **$11.95**

Larson Light Mount f/72″ Hex
LA4404 ..... **$12.95**

Larson Quick Mount (adapts Light Mounts to accept either ¼-20 or ⅝″ mounts).
LA4405 ..... **$5.50**

Westcott Gentry

The Westcott Gentry is an umbrella with a short shaft made to snap onto a pan reflector. The resulting light quality is similar to the Westcott Halo with the light source facing the optional white translucent surface. The Gentry fits most 14-24″ pan reflectors. The unit is supplied with mounting straps.
HL6045 ..... **$29.95**

Westcott Mini-Apollo Light Modifier

The Mini-Apollo is a smaller, 16″ version of the flat Apollo. This unit is designed to give soft even light and to be mounted above the camera with a bracket such as a Stroboframe. Mounting hardware is supplied with the Mini Apollo to attach a flash for direct or reflected placement.
HL0990 ..... **$36.95**

Flat Reflector Screens

Can be used as a reflector, a gobo and even an umbrella or backdrop. White reflector gives a soft even light, silver reflects a brilliant "harder" light, gold gives a warm bronze tone and black acts as a subtractive reflector.

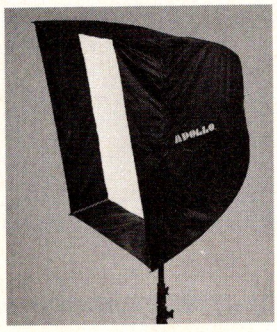
30″ White/Silver Reflector Screen w/frame **HL2000** **$24.95**

30″ White/Gold Reflector Screen w/Frame **HL2010** **$24.95**

30″ White/Silver (fabric only)
HL2020 ..... **$24.00**

30″ White Gold (fabric only)
HL2030 ..... **$24.00**

30″ Black (fabric only)
HL2040 ..... **$24.00**



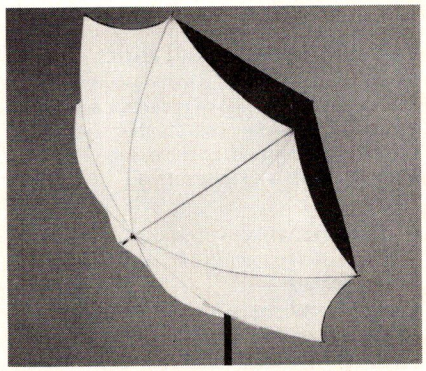
Westcott Apollo Light Modifiers

The Apollo light modifier gives 104° of soft light. Like the Halos, these units are easy to set up, lightweight and fit most lighting systems. The Apollos are available with flat fronts and recessed fronts. These light modifiers do not have visable frame supports on the optical white translucent surface, ideal for the commercial and portrait photographer. The light source can be placed for direct or reflected positioning as in the Halo. Optional louvers may be placed into the Recessed Apollos for more directional lighting.

Flat Apollos
24 inch **HL1000** **$68.95**
28 inch **HL1020** **$73.95**
50 inch **HL1040** **$199.95**

Recessed Apollos
24 inch **HL1010** **$77.95**
28 inch **HL1030** **$87.95**

Louvers for Recessed Apollo
24 inch **HL1050** **$124.95**
28 inch **HL1060** **$126.95**



Westcott Halo Light Modifiers

The Westcott Halo light modifiers provide the photographer with 140° of soft even diffused lighting. The Halos, available in round or square, are lightweight, easy to set up (like an umbrella), adapt to virtually all lighting systems without backing plates or speed rings. They can be used for either direct (toward the optical white surface) or reflected (directed toward the silver reflective back surface) placement of the light source. This allows the photographer to have soft or softer lighting from one unit. All Halos have parabolic fronts.

Round Halos
32″ Round Halo **HL6015** **$69.95**
45″ Round Halo **HL6025** **$79.95**
54″ Round Halo **HL6035** **$159.95**

Square Halos
32″ Square Halo **HL6010** **$69.95**
45″ Square Halo **HL6020** **$79.95**
54″ Square Halo **HL6030** **$159.95**

LIGHTING
Calumet Light Control System

Quick and Easy Set-up
Calumet's Light Control Frames offer the fastest set-up and breakdown times of any panel system on the market today. Each pre-assembled frame is hinged at the corners and at the brake joints (see bottom photo), making set-up a one-step breeze. Frames self-lock into position, forming rigid rectangular (42" x 78") or solid square (42" x 42") supports for a wide variety of fabrics. No turning or twisting is required to lock or unlock the frame. No integrated cord means the Calumet frames stay folded when you want them to and won't pinch your hands during assembly.

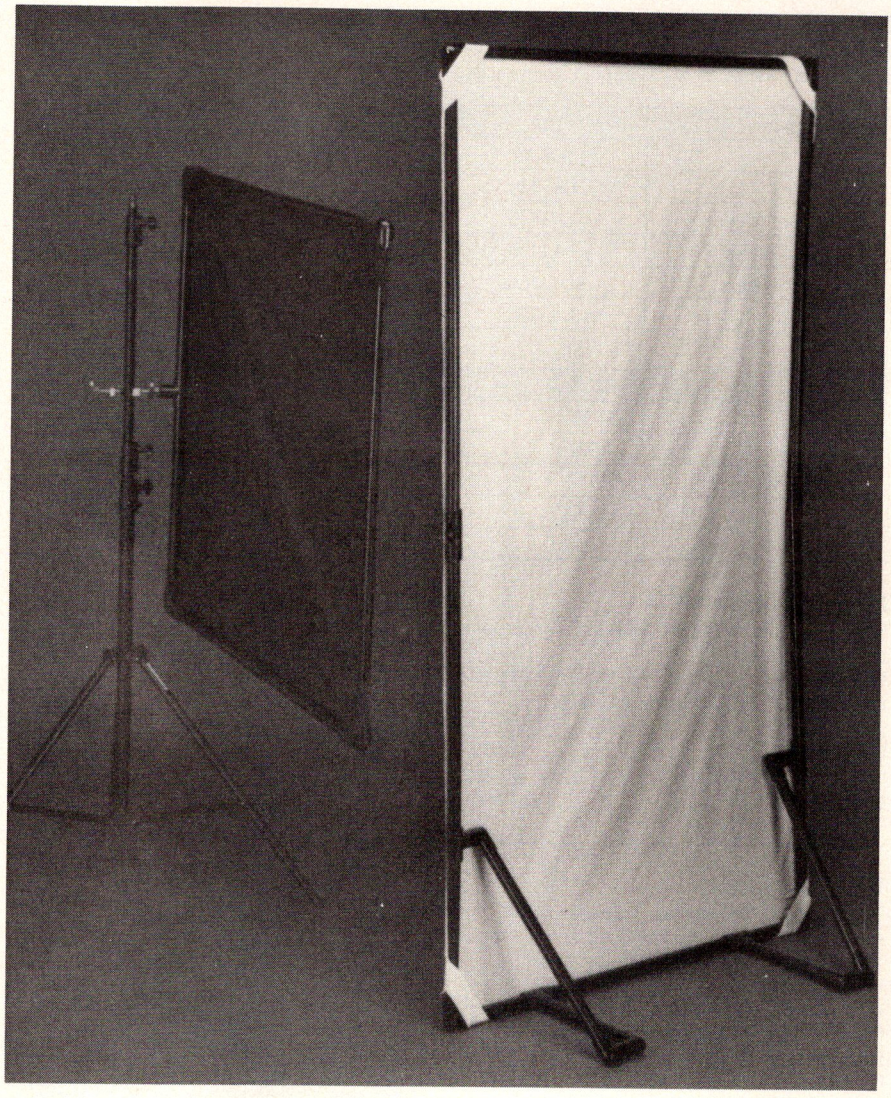
Lightweight/Heavy-duty Construction
The Calumet Light Control Frames are made of ultra-light and ultra-rugged PVC tubing. The 42" x 78" frame weighs only 2.3 lbs., while the 42" x 42" frame weighs a mere 1.5 lbs.! Because they are so light, they can be placed into position just about ANYWHERE – on the set, under the camera or over the subject – and adjusted with ease.

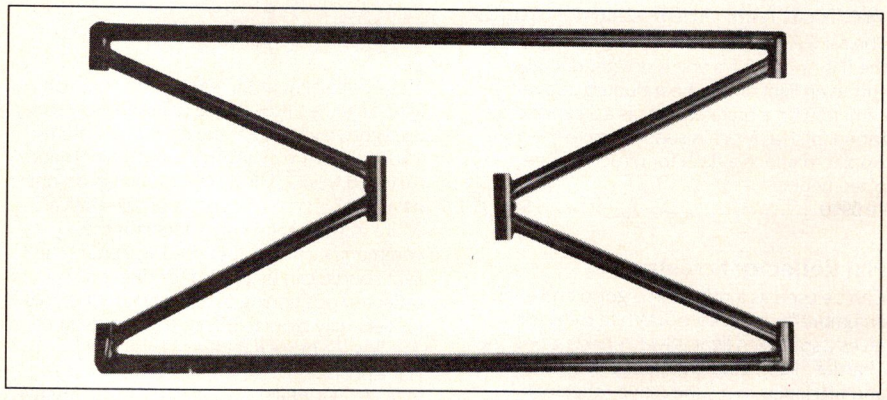
Compact Storage and Portability
The super-thin 1¼" profile of the Calumet Control Frames allows you to store them efficiently – with or without the fabrics attached. Their compact collapsability makes them more portable and opens up the possibility of using them on location, as well as in the studio. Both the 42" x 78" and 42" x 42" models fold down to only 42½"!

Versatile Selection of Fabrics
Flexible lighting control is made possible by Calumet's wide choice of reflective and translucent panel fabrics. Whether your needs are high key, diffused, additive, subtractive or warming, there is a fabric for you.

- **Translucent White** – This shoot-thru, white fabric is used to soften the harshness of direct lighting.
- **Reflective White** – An opaque white for reflecting, or bouncing either artificial or ambient light. Ideal for fill light applications for soft, even results.
- **Subtractive Black** – A light absorbing surface used to reduce reflectance or shading specific areas.
- **Reflective Silver** – This super-efficient reflector maximizes bounce light output. Ideal for high-key applications.
- **Warming Gold** – Converts daylight flash into a pleasing, late afternoon bronze tone. Great for "painting" selective areas.
- **Super-Opaque** – This combination white and black, back-to-back, fabric offers efficient, yet soft reflected light. Serves double-duty as a 2-in-1 fabric by simply reversing surfaces.

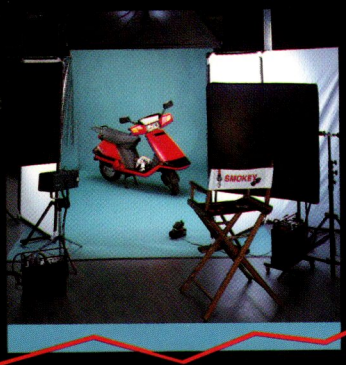
Fabrics attach quickly and securely with elastic corner straps. They can be used individually or with one fabric type mounted to each side of the frame, for quick reflector changes.





Clips, Clamps and Accessories
The magic of the Calumet Light Control System really comes into play when you consider its extensive line of accessories. Frames can be used free-standing with *Leg Sets,* attached to stands and booms with *Light Stand Clamps,* joined together with *Panel Joiner Clips,* secured to the ground with *Turf Spikes* and adapted to accept lights with *Strobe Mounts.* In addition, *Neatness Clips* can be used to smooth out fabrics. With this wide range of optional accessories, Panels can be converted into soft boxes, large flats, barndoors, lens shades, etc.

Calumet Light Control System



For our featured photograph of the Honda Elite Motor Scooter and Smokey the Wonder Dog, the Calumet Light Control System was used in a number of unique ways. For a detailed look at how this versatile system can be used to solve both your studio and location lighting problems, see the backside of this page.



The Convenient Light Control System

No matter what type of photography you are engaged in, one factor is absolutely critical — lighting control. Without the proper amount and quality of light in the right places, the best cameras and lenses cannot produce professional quality results. Now, there is a quick, convenient AND economical way to achieve versatile lighting control — Calumet Light Control Panels.

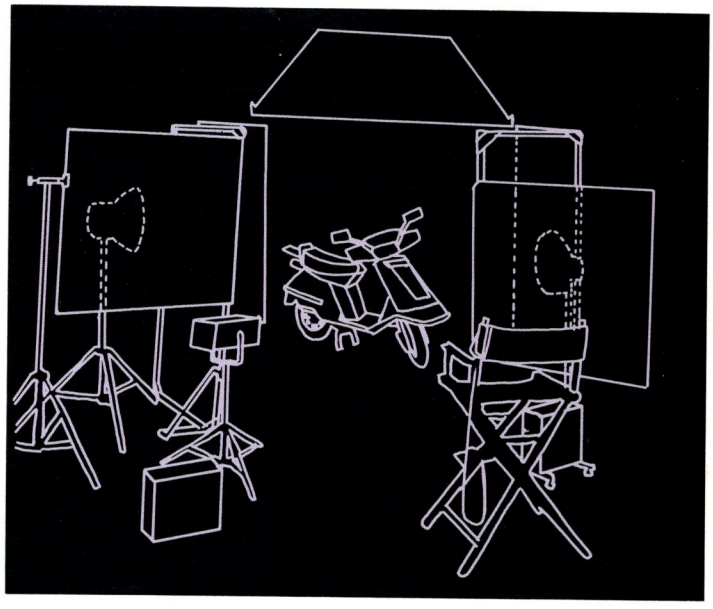
While "reflector panels" are not new to photography studios, they have traditionally been heavy and cumbersome, homemade contraptions constructed of 2″×4″s, foam core, plywood and paint. A lot of work, a lot of weight, a lot of storage space and a lot of trouble on location!

Calumet's new Light Control Panels are part of a modular system specifically designed with photographers' convenience in mind. Consider these functional features:

- Easy Setup and Portable Storage
- Lightweight, Heavy-duty Construction
- Interchangeable Fabrics and Versatile Accessories for Universal Applications
- Unlimited Expansion Capabilities at Affordable Prices







THE SYSTEM

The Frames

The heart of the Calumet Light Control System is the panel frame. Available in two practical sizes, 42″ × 42″ and 42″ × 78″, these lightweight frames are constructed of rugged, 1¼″ diameter ABS thermoplastic tubing, and are the supporting structures for the interchangeable Light Control Fabrics. To facilitate setup, transport and storage, the Calumet frames feature a unique system of joints and hinges which allow them to fold and collapse to a compact 42″ long. Simply grasping the frame at its center and pulling out or pushing in will open or close the frame. There is no twisting or turning of loose parts and no cords to deal with — Calumet frames stay folded when you want them to!

Calumet Light Control Frames can be used as reflectors or diffusers, gobos or barndoors, individually or joined together, as light banks or soft boxes, indoors or outdoors...for truly universal light control.

The Fabrics

Calumet's wide selection of six interchangeable fabrics offer immense lighting control possibilities when mounted onto Calumet frames. With these versatile panels, light can be reflected, diffused, absorbed or even altered in color.

- Translucent white fabrics diffuse the light.
- Opaque white, silver and gold fabrics reflect the light.
- Subtractive black fabrics absorb the light.
- A super-opaque black/white fabric offers a choice of either highly efficient absorbing or reflective applications with its combined, dual surfaces.

Fabrics can be quickly mounted, removed and changed with their elastic fasteners.

When using combined panels in a soft box configuration, you can use a mix of different fabrics for creative light control. Fabrics can also be attached to both sides of a frame for quick reflector changes. There is almost no end to the potential lighting possibilities offered by this flexible system.

The Accessories

The Calumet Light Control System takes on new dimensions with its creative accessory line. Light panels can be joined together, suspended from stands and booms, fitted with light fixtures, secured to the ground or can stand alone with the use of these versatile accessories:

- Light Stand Clamp
- Adjustable Leg Set
- Panel Joiner Clips
- Universal Strobe Mount
- Neatness/Cable Clips
- Metal Turf Spikes

This extensive modular system is always ready to grow with your needs and go where you need it.

The Applications

Whether your subject is large or small, in the studio or on location, stationary or stop action, lit with strobe, tungsten or even the sun, Calumet's "system" takes on universal applications.

The 42″ × 78″ panels are popular for their general purpose uses, such as large reflectors, diffusers, gobos and, when combined, vertical or horizontal soft boxes and light banks.

The 42″ × 42″ panels are the perfect size for small products and portraits, as a fill light on larger sets or outside, and are great as gobos, hairlight reflectors, barndoors and even lens shades.

Because light panels provide a soft diffused quality of light without actually enclosing the light source, they work well with "hot" lights, such as tungsten, photofloods and even video lights, without the heat build-up associated with enclosed soft boxes.

Finally, one of the most important features offered by the Calumet Light Control System is its portability. The frames can be collapsed and folded into a compact and lightweight package to offer unprecedented convenience traveling to and working on location shoots. Set-up time is kept to a minimum because the panels can be assembled quickly and fabrics changed at a moments notice. And, because the Calumet Light Control System offers a versatile group of accessories, there is seldom an option or configuration you can't consider. You can literally take them ANYWHERE to enhance either existing light or your favorite location lighting kit.

The Calumet Light Control System is not only one of the most versatile and creative lighting tools on the market but it is also one of the most economical. No matter what your lighting needs, Calumet Light Control Panels will give you the right light, in the right place and at the right price.

Light Control Panels At Work

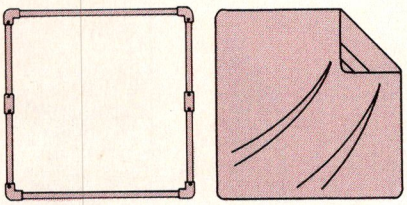
The above illustration shows a few of the many flexible ways Calumet Light Control Panels can be utilized to effectively create professional lighting results.

Two main lights were positioned in front of the subject, on either side of the set, and diffused by 42″ × 72″ frames fitted with translucent white fabrics. Two 42″ × 42″ panels with black fabrics act as gobos to shade stray strobe light from causing lens flare, which would greatly degrade the image quality. An additional panel with a silver fabric was set up behind, and to the left of the subject to "kick" extra highlights onto the rear sections, seat and tire of the scooter.

Quantity Discounts

SAVE 10% – When you purchase two (2) or more Frames, Fabrics or Combinations in any assortment.

SAVE 20% – When you purchase four (4) or more Frames, Fabrics or Combinations in any assortment.



Calumet 42″x42″ Light Control Frame

This compact, 3½′x3½′, reflector frame is the ideal size for small table-top product shots or for head and shoulder portraiture. Used individually, they make great gobos, hair light reflectors, barndoors or even lens shades. Joined together, they can be converted into small, portable soft boxes.

CF1042 ..... **$35.00**

Calumet 42″x42″ Light Control Fabrics

Translucent White	**CF2042**	**$17.95**
Subtractive Black	**CF2142**	**$17.95**
Reflective White	**CF2242**	**$19.95**
Reflective Silver	**CF2342**	**$34.95**
Warming Gold	**CF2442**	**$34.95**
Super-Opaque	**CF2542**	**$34.95**

Calumet 42″x42″ Frame/Fabric Combinations — *SAVE $10*

42″x42″ Frame w/Translucent White
CF1142 ..... **$42.95**

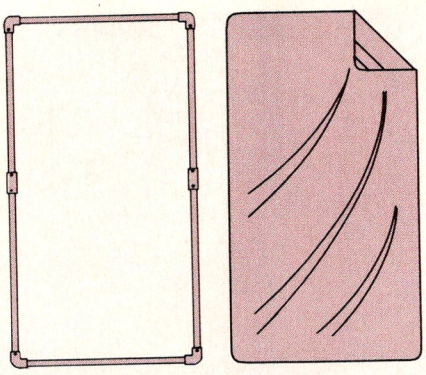
42″x42″ Frame w/Subtractive Black
CF1242 ..... **$42.95**

42″x42″ Frame w/Reflective White
CF1342 ..... **$44.95**

42″x42″ Frame w/Reflective Silver
CF1442 ..... **$59.95**

42″x42″ Frame w/Warming Gold
CF1552 ..... **$59.95**

42″x42″ Frame w/Super-Opaque
CF1642 ..... **$59.95**



Calumet 42″x78″ Light Control Frame

This popular size features universal applications, from small and large products to individual and group portraits. Because of their rectangular design they can be used either horizontally or vertically. And it only takes three of these economical panels to form an extra-large, 3½′x6½′ soft box, which is lightweight and portable, and features a full line of interchangeable interior surfaces (see fabric selection below).

CF3078 ..... **$49.00**

Calumet 42″x78″ Light Control Fabrics

Translucent White	**CF4078**	**$21.9 5**
Subtractive Black	**CF4178**	**$21.95**
Reflective White	**CF4278**	**$23.95**
Reflective Silver	**CF4378**	**$43.95**
Warming Gold	**CF4478**	**$43.95**
Super-Opaque	**CF4578**	**$43.95**

Calumet 42″x78″ Frame/Fabric Combinations — *SAVE $13*

42″x78″ Frame w/Translucent White
CF3178 ..... **$57.95**

42″x78″ Frame w/Subtractive Black
CF3278 ..... **$57.95**

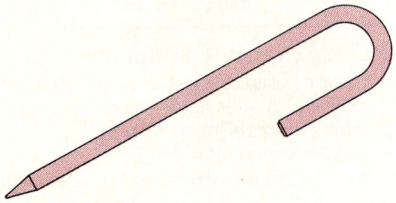
42″x78″ Frame w/Reflective White
CF3378 ..... **$59.95**

42″x78″ Frame w/Reflective Silver
CF3478 ..... **$79.95**

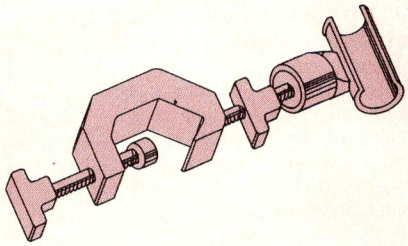
42″x78″ Frame w/Warming Gold
CF3578 ..... **$79.95**

42″x78″ Frame w/Super-Opaque
CF3678 ..... **$79.95**

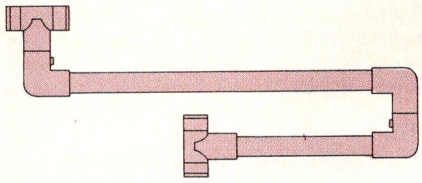
Calumet Light Control Accessories



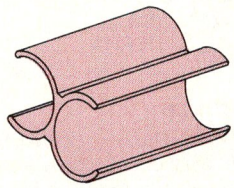
Calumet Turf Spikes
For outdoor use of panels. These 8″ metal spikes stick into the ground to stabilize panels against the wind. (Set of 2)
CF5400 ..... **$6.95**



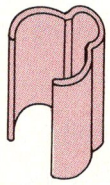
Calumet Light Stand Clamp
Heavy-duty swivel clamp used to attach panels to light stands and booms. Allows you to adjust angle of panel.
CF5000 ..... **$19.95**



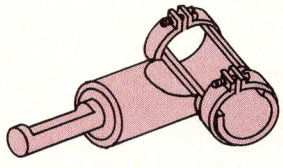
Calumet Leg Set
Includes two stabilizing leg supports which allow individual panels to be used free-standing. Swivel joints provide angle adjustment.
CF5100 ..... **$24.95**



Calumet Panel Joiner Clips
These two-sided clips are used to connect panels together to form larger flats and light boxes. (Package of 6)
CF5200 ..... **$12.95**



Calumet Neatness Clips
These one-sided clips are used to hold the fabric taut against the frame to provide a smoother surface, and feature a slot for holding cables and cords to the frame. (Package of 6)
CF5300 ..... **$6.95**



Calumet Strobe Mount
This handy mount clips to the panel and features a ⅜″ metal stud for mounting flashheads.
CF5500 ..... **$7.95**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery,
Monday through Friday
8 a.m. to 5:30 p.m.
(central time).

Lightform - For Still Photographic and Video Lighting

Lightform Panels are constructed of rugged PVC tubing, with integrated shock cord for quick and easy set-up and convenient storage. Panels are extremely lightweight and portable, and can be used individually or coupled together in a wide range of configurations. Panel Fabrics are purchased separately, and are available in a choice of four materials.

The P15 Panel

This 42"x42" collapsible frame is the ideal size for small table-top products or for head and shoulder portraiture. **FL3200** **$34.95**

P15 Panel Fabrics

Translucent White **FL3310** **$19.95**
Reflective White **FL3320** **$21.95**
Absorption Black **FL3315** **$19.95**
Silver **FL3325** **$34.95**

P22 Panel Frame

This collapsible 3½" x 6½" panel frame is easily assembled with the flick of the wrist by means of an integrated 'shock cord', and breaks down quickly and compactly as one, self-contained unit.

FL4200 ..... **$49.95**

P22 Panel Fabrics

Translucent White **FL4310** **$24.95**
Reflective White **FL4320** **$28.95**
Absorption Black **FL4315** **$24.95**
Silver **FL4325** **$47.95**

The P42 Panel

For those of you who never have a large enough light bank or diffusion source for those extra-large sets, the P42 is just the answer. This 78"x78" frame is almost twice the size of the original P22 panel.

FL5200 ..... **$69.95**

P42 Panel Fabrics

Translucent White **FL5310** **$43.95**
Reflective White **FL5320** **$49.95**
Absorption Black **FL5315** **$43.95**

Panel Accessories

EC-1 Clamp
Used to securely attach panels to a light stand **FL7030** **$22.95**

Double Clips Package of 6.
Used to attach two or more panels together
FL7040 ..... **$14.50**

Single Clip
For holding fabrics and cords to panel frames.
FL7045 ..... **$6.95**



Tee Clips
Package of 6. **FL7060** **$14.95**

Panel Leg Set - Package of 2
Used to make a single panel free standing.
FL7035 ..... **$29.95**

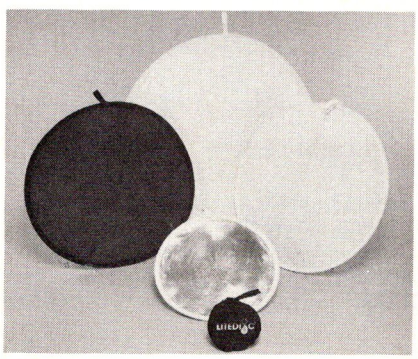
Turf Spikes Package of 2.
Used to anchor panels outdoors.
FL7050 ..... **$8.95**

Strobe Mount
Tee Clip with a ⅜" metal stud pressed in for standard strobe mounts. **FL7055** **$7.95**

Universal Clamp
Used to attach plexiglas, plywood or tubing to any stand. **CC2000** **$20.95**

Travel Bags Rugged Cordura construction
Large (holds up to eight panels)
FL7080 ..... **$69.95**
Medium (holds up to five panels)
FL7075 ..... **$54.95**

Prices are subject to change without notice.



Litedisc Reversible Reflectors

Litediscs are collapsible, self-contained, round reflectors which offer quick and easy set-up, and extreme portability. Available in a practical assortment of reversible, combination fabrics, making each Litedisc a 2-in-1 reflector panel, they are additionally enhanced by a spring steel structural frame, which both supports the fabric and twists down to a compact, portable size. Litedisc's three different sizes (22", 32" and 42") offer practical applications for everything from small product, to portait, to location sets.

Choose from Silver/White, for hot or soft bounce light, Silver/Black, for hot reflector or light absorber, and Gold/White, for warming or soft reflected light.

Each Litedisc comes complete with a convenient carry bag for easy portability.

Litediscs - Silver/White, Silver/Black Gold/White or White/White

22" Litedisc (Specify Colors) **$31.95**
32" Litedisc (Specify Colors) **$53.95**
42" Litedisc (Specify Colors) **$62.95**
42" Litedisc Gold/White **$67.95**

LightRight™ Reflector System

In this difficult shot of a brushed aluminum soda water siphon, LightRights™ were used to retain, and enhance the metallic look without relying upon dulling sprays, tenting or retouching. Lighting was achieved with a 2′ x 3′ soft box above the subject and an 18″ round diffused backlight reflecting on the ribbed background. A small LightRight™ is placed behind, and to the right of the subject to add a separation edge to the black valve. Notice how its' No-Show™ shape allows maximum edgelight without entering the picture field. Two LightRights™ are stacked, and placed in front and to the right of the subject to add highlights to the metallic surface. The front left LightRight™ has been reversed, white-side-out, to add shape to the bottle and add reflections to the champagne glass. Behind that, another LightRight™ is used to add detail to the cartridge holder. A final LightRight™ puts a separation edge on the bottle and adds light to the glass.

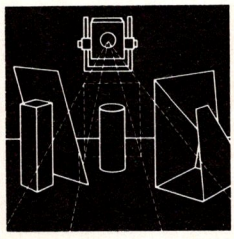
How many reshoots have you had to do because a makeshift reflector slipped, wilted, or just got in the picture field?

How many different materials have you used as reflectors: Foam Core®, mirrors, Polaroid wrappers, gum wrappers, aluminum foil, space blankets, mat board, pie plates, foil tape, old envelopes?

While it's no secret that precise control of light is the major factor in professional tabletop work, it's also no secret that such lighting success often seems to depend on clever use of improvised materials.

Photographer Gary Bartholomew has spent five years in his studio developing a better way – the LightRight™ way!

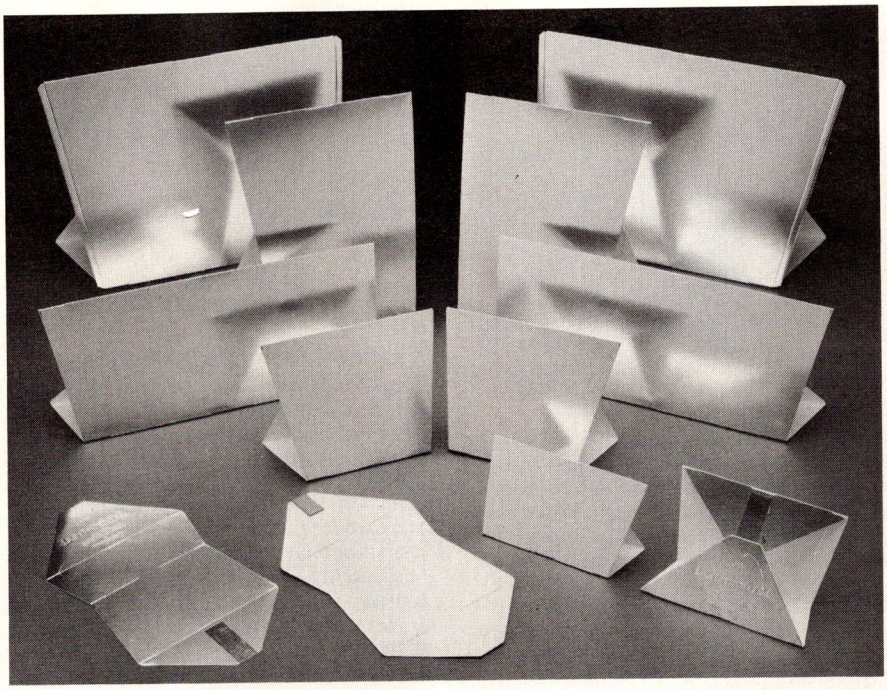
- Complete Reflector System – each set includes 12 cards in five different sizes
- 48-Reflecting Surfaces – each card has four reflective surfaces: a small and large area, each reversible from silver to white
- Self-Supporting Set-up
- Precise and Positive Angle Adjustments – angles are simply and smoothly set with a built-in magnetic track
- Patent-Pending No-Show™ Shape – uses perspective to place reflectors closer to the subject without appearing in the picture field.



- Easy to Set-up/Easy to Store – each LightRight folds flat for easy portability and storage
- LightRights are Lightweight – may be set on the most delicate sets or props

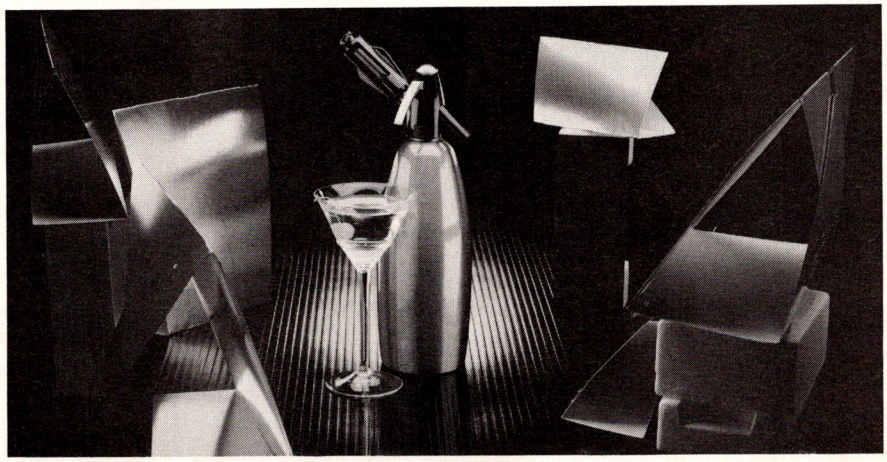
LightRight Reflector Set
LR1000 ..... **$79.95**

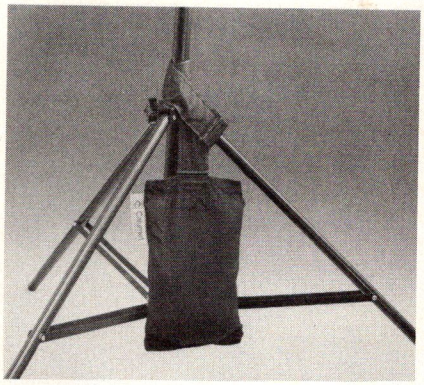
to order call toll free
1-800-CALUMET
1-800-225-8638





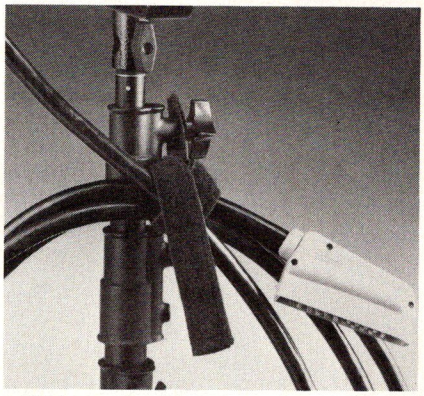






Calumet Shot Bag

This heavy duty black cordura Shot Bag is double sewn in the seams and corners and contains 10 lbs. of lead shot. The dense shot offers compact, maximum weight as well as pliable "wrap around" versatility. Fastens almost anywhere to equipment by means of a 17" Velcro hook and 10" loop hook on the bag itself. You can mold the bag and tighten the Velcro strap for snug fits on steep slippery booms, light stands and poles or tripods. Can be used on location for silks (frames), stands and kites in the wind or to weight or cradle long lenses. Great for counter-balances on curtains or backgrounds. Literally constructed to last a lifetime. **CC9122** **$39.95**

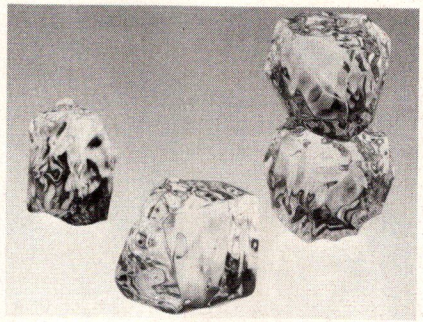


Calumet Mini-Wraps

This self-adhesive Velcro Strip can be used in place of tape for an unlimited number of binding chores, and for an unlimited number of times. The Mini-Wrap provides 12" of usable Velcro, one inch wide, and features a 2" slot which allows you to "hook" your bound cables or cords to stand knobs, door hinges, nails, or storage hooks.

Mini-Wraps are small enough to carry several in your pocket for on-the-spot usage, and take up minimal space in your location kit.

Package of 6 Mini-Wraps
CC9120 ..... **$18.95**



Calumet/Trengove Ice Cubes

These hand-made acrylic ice cubes offer long-lasting, realistic effects with a wide variety of shapes and sizes. Because these cubes, wedges and shards are hand-crafted, no two are alike. Plus, they offer more surface cuts than most cubes for that truly authentic look.

Standard Ice Cubes - A favorite among professional photographers.

Standard Cube - 1⅜"
IC1000 ..... **$25.00**
Standard Small Cube - 1⅛"
IC1005 ..... **$25.00**
Standard Extra Small Cube - 1"
IC1010 ..... **$24.00**

Amorphic Ice Cubes - Interesting angles allow cubes to fit together more naturally.

Amorphic Standard Cube - 1⅜"
IC1030 ..... **$25.00**
Amorphic Small Cube - 1⅛"
IC1035 ..... **$25.00**
Floating Ice Cube
IC1015 ..... **$60.00**
Soap Bubbles - Set of 12
IC1105 ..... **$80.00**

Calumet/Trengove Ice Cube Kits

Calumet/Trengove Standard Cube Kit
Includes three Standard Cubes (1⅜") and one Ice Wedge.
IC3000 ..... **$89.00**

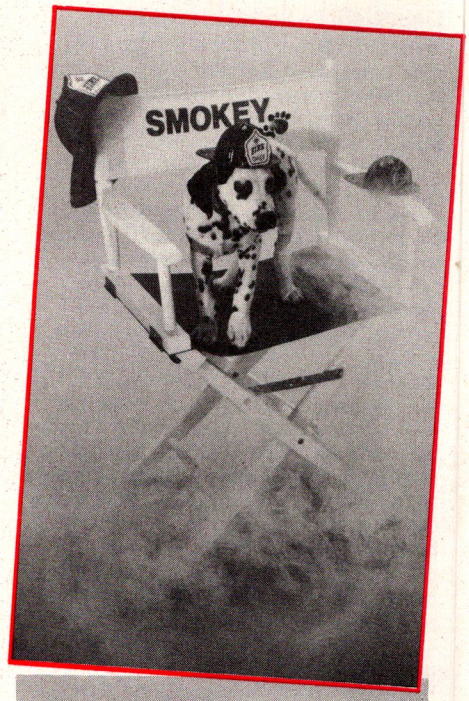
Calumet/Trengove Amorphic Kit
Includes four Standard Amorphic Cubes (1⅜").
IC3005 ..... **$89.00**

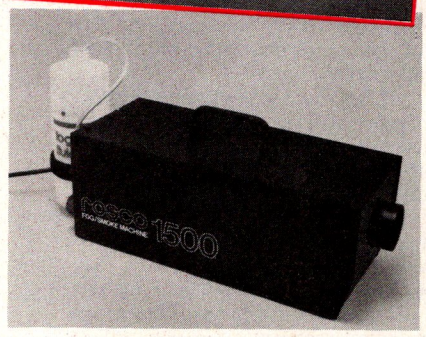
Calumet/Trengove Frost Powder

This aqueous, non-toxic, high water-absorption polymer is used to simulate frost and ice. It has a low-luster slush look similar to frost particles, snow cones or shaved ice. Has the ability to cling to bottles, cans or foods, and is not affected by hot studio lighting. It stays put for hours and is continuously adjustable. One tablespoon will absorb 16 oz. of water, and it washes away with water.
6 oz. container.
IC2005 ..... **$25.00**

Calumet/Trengove Aqua Gel

This is the thickest, clearest, water-based fluid available. Use "as is" for a variety of effects, ranging from water beads, spilled water, melted ice, ice formations and melted plastic. Applies easily to beverage containers to give a natural, cool, refreshing look, and can be styled and shaped to make rivulets and drops.
One pint container.
IC2000 ..... **$25.00**





Rosco Model 1500 Fog/Smoke Machine

Add range and creativity to your studio and location shoots with this safe, economical, special effects Fog/Smoke Machine. The Model 1500 produces continuously variable smoke, allowing you to design the smoke effect you need, from wispy cigarette smoke to billowing clouds. An external tank allows fluid to be pumped from any container, from the standard one-liter bottle to a gallon bottle, for unlimited smoke-making operation without interruption. Comes equipped with a standard remote control module, 6' power cord and detailed instruction manual.
RC6000 ..... **$649.95**

Accessories for Model 1500

Carry Case
RC6005 ..... **$299.95**
Hose Adapter
RC6010 ..... **$19.95**
Ducting Hose (4" x 25')
RC6015 ..... **$27.95**

Rosco Fog/Smoke Fluid

Using FDA-approved chemicals, this fluid produces a dense, realistic smoke which is non-toxic and non-irritating. Contains no petroleum and leaves no slippery residue.
Fog Fluid (1 gallon) **RC6020** **$49.00**
Fog Fluid (1 liter) **RC6025** **$12.95**

to order call toll free
1-800-CALUMET
1-800-225-8638



Rosco Filter Kits

Based upon years of experience with lighting directors and cinematographers, Rosco has selected filters for a group of kits for film and video lighting. These low cost kits were developed to deal with the most frequently encountered lighting situations. They offer the filmmaker and video technician a set of tools to help achieve professional results in controlled lighting environments or location.

Rosco Daylight Correction Kit

This kit contains three different filter materials, each of which is designed to be applied to windows to color balance scenes in which both daylight and tungsten light appear. Filters included are RoscoSun 85 (8′ x 58″), RoscoSun N6 (8′ x 58″) and Soft Frost (8′ x 54″).
RC1010 ..... **$49.95**

Rosco Tungsten Correction Kit

This kit contains ten 10″ x 12″ sheets of five different materials to raise the Kelvin temperature of tungsten light sources. Filters include Rosco's Tough Blue 50, Booster Blue, Half Booster Blue, Quarter Booster Blue and Tough Blue 50 Frost.
RC1030 ..... **$19.95**

Rosco UV Filter

Especially coated transparent filter designed to absorb ultra-violet rays. Ideal for removing blue tint produced by most studio strobes.
20″ x 24″ sheet
RC2000 ..... **$4.95**

Prices are subject to change without notice.

Rosco Creative Color Kit

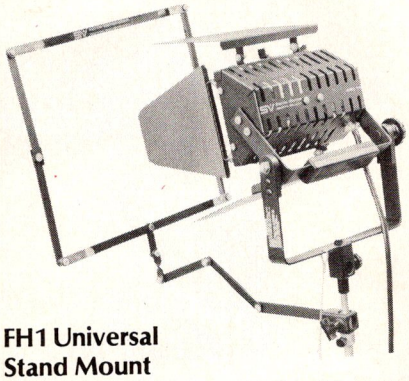
This creative color kit includes ten color filters, each 10″ x 12″. The ten colors are selected from the range of over 300 colors from which Rosco produces. These deep-dyed polyester "cinecolor" filters feature color which is fused into its base, and cannot be scratched off. Because a heat-resistant base is used, Rosco Filters can be used with tungsten, as well as studio strobe lights. Rosco Colored Filters can be used to effectively produce a rainbow of color backdrop hues, or "Chromazones"®, as taught in the Calumet Finelight Commercial Lighting Seminar Series. Filters included are: Blue, Gold, Purple, Green, Yellow, Red, Magenta, Pink, Violet and Orange.
RC1000 ..... **$19.95**

Rosco Diffusion Kit

This kit includes nineteen 10″ x 12″ Rosco diffusion materials. These filters help control the character of the lighting in a set or scene. A complete range of diffusion effects is offered in closely graded steps so the cinematographer or videographer can select the exact material for each situation.
RC1020 ..... **$19.95**

Roscopak D

This kit consists of a single sheet of lightweight reflector material that is 18 square feet. One side of the material is blue, which reflects tungsten light in nominal daylight. The other side of the material is a silver "hard reflector" surface. The Roscopak D is particularly useful when the basic source of light is daylight, but tungsten light has to be reflected into an area for additional key light or illumination.
RC1040 ..... **$14.95**



FH1 Universal Stand Mount

Filter holder attaches to any 3/8″ or 5/8″ stand and uses 12″ filter packs. Also holds polarizing screen and gobos. **SV4405** **$32.95**

Filter Packs

These heat-resistant filters made of a tough polyester base are excellent for controlling diffusion, color temperature, and special effects.

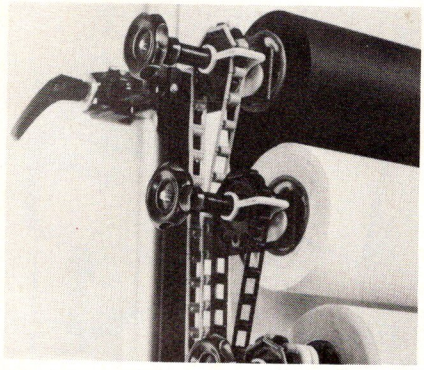
Diffusion Packs contain 2 each of light, medium and heavy diffusion filters.
8″ Pack **SV4423** **$7.95**
12″ Pack **SV4426** **$10.95**
16″ Pack **SV4430** **$11.95**

Light Balancing Packs contain 3 each of 2 types of light balancing filters: Blue 50 balances 3200 K to daylight, ½ Booster blue adds an additional 400°K.
8″ Packs **SV4421** **$7.95**
12″ Packs **SV4424** **$10.95**
16″ Packs **SV4428** **$11.95**

Color Effects Packs contain 1 each of the following color effects filters: Red, Yellow, Blue, Green, Orange and Rose Purple.
8″ Pack **SV4422** **$7.95**
12″ Pack **SV4425** **$10.95**
16″ Pack **SV4429** **$11.95**

Polarizing Non-Glare Filters Stops glare where it starts – at the light! Rotate the filters to achieve maximum glare reduction. Heat and fade resistant.
12″ x 12″ Mounted **BR3002** **$39.95**
18″ x 18″ Mounted **BR3004** **$59.95**
19″ x 20″ Sheet **RC3000** **$33.95**
19″ x 5′ Roll **RC3001** **$99.95**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery,
Monday through Friday
8 a.m. to 5:30 p.m.
(central time).



The Complete Bogen Auto-Pole System

Combines Bogen's efficient and sturdy Auto-Pole background supports, which are adjustable from 77¾" to 11'4", (without optional extension set), and the exclusive Expan drive system. Auto-Pole supports feature the patented automatic lever-action-locking which takes the work out of setting up background poles. Just put each pole in place, raise the top section so it touches your ceiling and let the lever-action-lock do the work. Expan Drive system features a chain operated background paper drive for quick and easy access with adjustable tension drag. May be used with cored or uncored seamless roles. System includes one set of auto-poles, background holder hook set and three Expan drive sets.

BG4112 ..... **$249.95**

Bogen Single Crossbar Auto Pole System

Consists of 2 Auto-Poles, 1 13' Crossbar, 2 Super Clamps, 2 U hooks.

Package Price **$185.80**

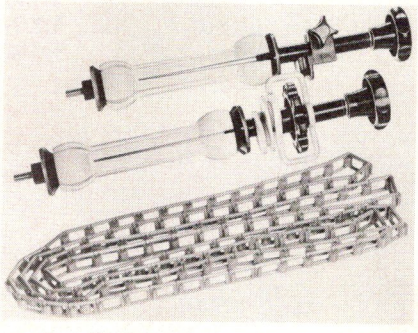
Bogen Auto-Pole Set

Two adjustable vertical supports which can be used as mobile backdrop supports or for support of glass shelves for special effects. Min. Ht: 77¾". Max Ht: 11'4". Weight: 4.75 lbs each. Not recommended for drop ceilings.

BG4110 ..... **$97.95**

1.5 M (59") Extension Set

BG4156 ..... **$42.95**



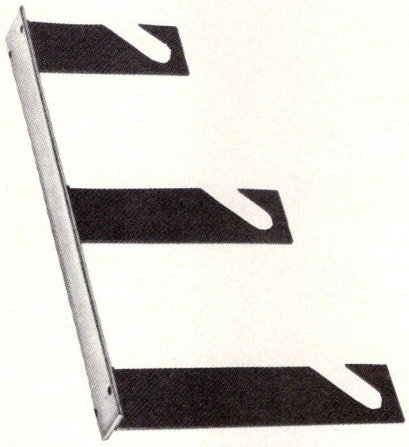
Expan Drive Set

Consists of two expandable core units (for one roll of background paper) and nylon link chain for convenient raising and lowering of background. Requires background holder hook set. **BG4150** **$37.95**

Alu-Core

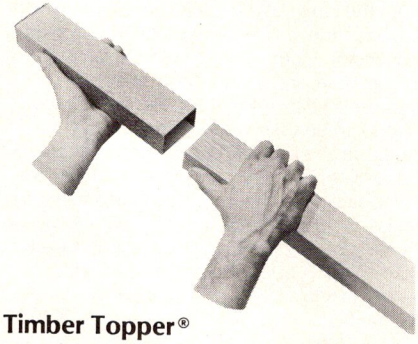
Permits use of uncored 107" background paper rolls. Consists of two telescoping sections with rubberized stabilizer ring. Screws into Expan units to make a permanent reusable core.

BG4155 ..... **$34.95**



Background Holder Hook Set

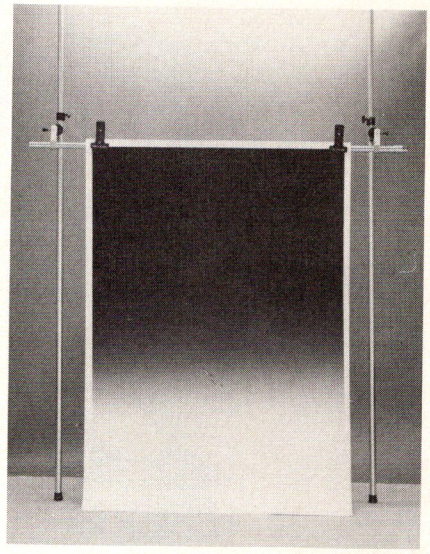
Holds three rolls of background paper. May be mounted directly to wall or used with Auto-Pole system. Requires Super Clamps. Set of two. **BG4160** **$19.95**



Timber Topper®

A steel sleeve 8" long which fits over the end of the standard 2" x 4", sold by most lumberyards. Powerful lifetime spring holds the 2" x 4" firmly between floor and ceiling. Ideal for economical backdrop supports or set building. **BE1055** **$7.50**

toll free
TECHNICAL ASSISTANCE
Our Technical Sales Representatives know our products and understand your needs. Call
1-800-CALUMET
(1-800-225-8638).



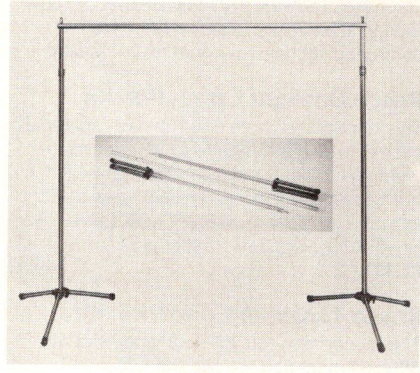
Mini Background Support System

This compact background support system is ideal for location or quick studio set ups. It is much smaller than the Auto Pole System, yet features spring-loaded tips for rigid stability. Set includes: adjustable background holder crossbar which will hold up to 9' rolls of seamless, set of two spring-loaded poles (maximum height: 131"; minimum height: 69"), two U-hooks and two mini-clamps. (Background not included)

BG4120 ..... **$96.95**

Bogen Mini Auto Pole Set (2)

BG4115 ..... **$44.95**



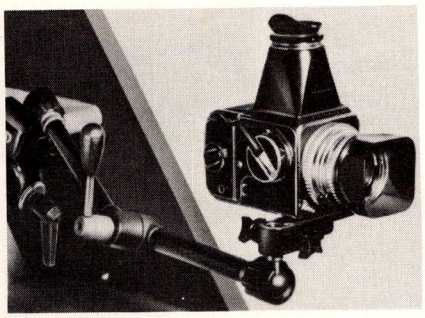
Welt Background Support Outfit

A free-standing portable background support outfit requiring no nuts, bolts or washers. Variable height and width with folding steel tripod legs.

Safelock BG-115 Outfit. Two stands, max. height 8'4". One telescoping paper support, max length 115".

WE3910 ..... **$95.95**

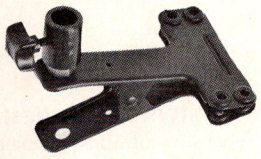
COMPETITIVE
PRICES



The Magic Arm

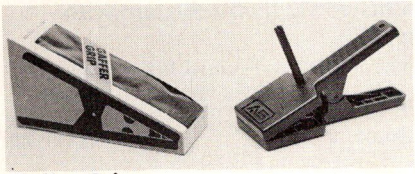
The Magic Arm has 90° pivotable and 360° rotatable ends and an elbow that rotates 360°. The Magic Arm will support a 35mm or 6 x 6 camera in tight quarters; is perfect for placement of small lights and flash heads; great for gobos, reflectors and flags. Both ends have studs that fit into any standard 5/8" socket and are tapped so that they can be mounted on any tripod (both 1/4-20 and European) and light stands. Flash shoe and a camera mounting bracket are supplied with the unit. Length is 19.7" (50cm) and it weighs 2 lbs. 6 oz.

BG4230 ..... **$54.95**



Bogen Clip Clamp

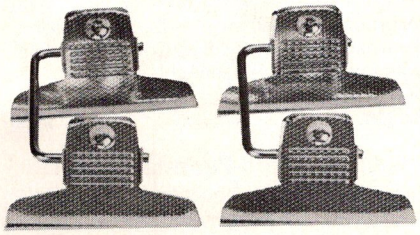
Ideal for holding gobos, flats, and reflectors. Mounts to Articulated Arm and Mini Clamp and can be attached to poles, stands, tripods, etc. **BG4226** **$7.95**



Gaffer Grip

Spring loaded, grips surfaces up to 2½" wide. 3" long and includes, 3/8" stud.

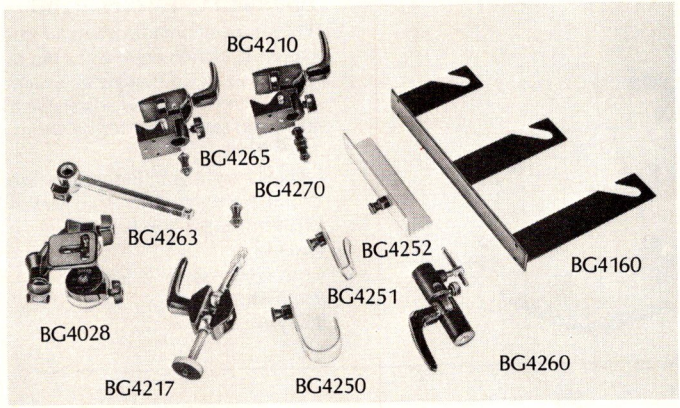
SV7013 ..... **$12.95**



Multiclip

Useful for clipping almost anything to anything, the Multiclip is a unique double-ended, swivel mounted clip that will help you in many ways. You can use several for attaching additional barndoors or gobos, keeping cables out of the firing line, holding diffusers, etc.

BW5410 each **$5.95**



Super Clamp Accessories

Joining Stud – Permits two clamps to be joined together, ideal for making booms.
BG4270 ..... **$3.00**

Reversible short stud. Permits flush mounting of accessories with 1/4-20 or 3/8" threads.
BG4265 ..... **$3.00**

Extension Arm – extends stud 6" away from clamp. (Does not include stud or clamp)
BG4263 ..... **$14.95**

Swivel Umbrella Adapter
MF3420 ..... **$13.95**

Bogen #3025 Pan/Tilt Tripod Head
BG4028 ..... **$3.95**

U-Hook cross-bar holder.
BG4250 ..... **$6.50**

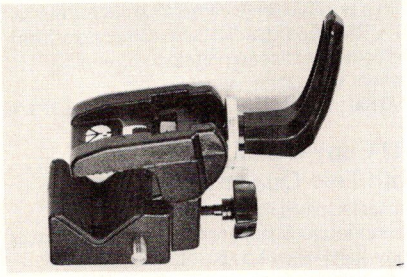
Narrow U-Hook - holds plate glass
BG4251 ..... **$6.95**

L Bracket Shelf Holder.
BG4252 ..... **$9.95**

Super Clamp with 3025 3-way pan head.
BG4213 ..... **$39.95**

Accessory Fork - holds foam core reflectors
BG4232 ..... **$14.95**

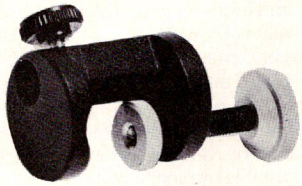
Bogen Double Ball Joint Head w/Camera Platform
BG4217 ..... **$24.95**



Bogen Super Clamp

This indespensible studio (or location) accessory is ideal for attaching cameras, lights, umbrellas, shelves or cross bars to stands, poles, tripod legs, doors or beams. Jaws open to 2¼" and close to 3/8". Standard stud with 1/4-20 thread included.

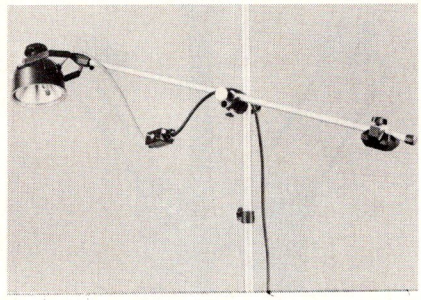
BG4210 ..... **$19.95**



Bogen Mini Clamp

Small yet sturdy clamp opens to 1⅛". Attaches to most light stands, tripods and backdrop supports. Will accept a variety of mounting studs to attach flash heads, lights or cameras. Perfect accessory for any location kit or studio.

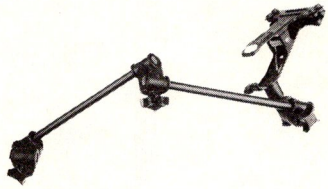
BG4220 ..... **$9.95**



Mini Boom Kit

Includes 41" Boom Arm (20mm diameter), one Mini Clamp, one Mini Clamp with stud and one 3 lb. counter weight.

BG4125 ..... **$37.95**



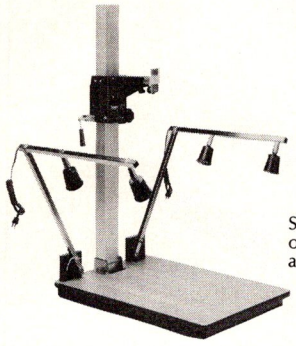
Bogen Articulated Arm

Features three separately controlled pivot points which allow full movement to position small lights, gobo or fill reflector when used with Clip Clamp (not included). Mounting stud will also fit Mini Clamp and is tapped for both 1/4-20 and 3/8" threads.

BG4225 ..... **$24.95**

Prices are subject to change without notice.

COPY STANDS
Technal
Bencher



Shown with optional light assembly.

Technal TC-1 Copy Stand

Features position-adjust handle, coupled with a rotating friction drive and a flip-over locking lever. Also includes adjustable camera arm length, removable and adjustable alignment guide and spring counter-balanced elevating mechanism.

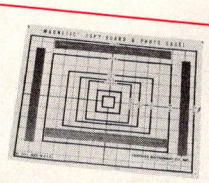
Overall Height: 43"; Baseboard Size: 20" x 27"; Working Heights: Min. 9¾." Max. 40¾"; Crossarm Adjustments: Min. 6¾," Max. 10½."

BG5115 ..... **$249.95**

Copy Light Assembly for TC-1. *(lamps not included)*

BG5175 ..... **$99.95**

Testrite Magnetic Copy Board



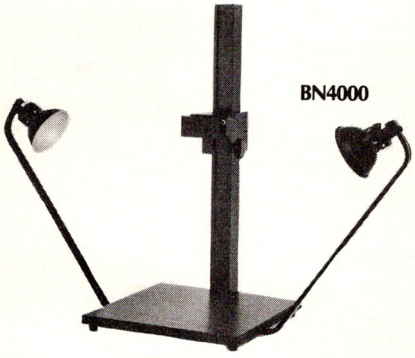
Holds copy flat, mounts on wall or copy stand. Prevents hot spots.

No. 1114 Board *with two 8" and two 10" strips.*

MS4190 ..... **$19.95**

No. 1620 Board *with two 10" and two 14" strips.*

MS4192 ..... **$29.95**



BN4000

Bencher Copymate

The new Bencher Copymate offers professional Bencher quality at a modest price.

- 19" x 20" heavy baseboard with a net 16" x 20" working area
- 36" fluted column anodized in professional black
- Counterbalanced carriage for 35mm which includes in/out centering adjustment
- Bencher no-shift brake

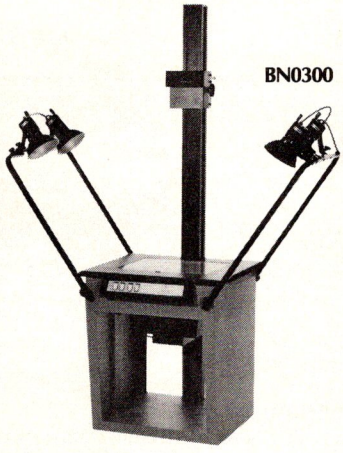
Bencher Copymate Stand
BN4005 ..... **$229.95**

Bencher Copymate Quartz Copy Outfit – includes 2 quartz lights, arms and lamps with stand. *(pictured at left.)*
BN4000 ..... **$349.95**

Bencher Copymate Quartz Light Set
BN4010 ..... **$139.95**

Bencher Copymate Copy Holdown
BN4030 ..... **$89.95**

Bencher Copymate Polarizing Filter Set
BN4035 ..... **$84.95**



BN0300

Bencher M2 Camera Stand

Features a 48" black anodized scaled column with a positive drive camera carriage, 26½" x 23½" baseboard, adjustable camera platform for convenient centering up to 6" and 3½" camera shift range.

BN0100 ..... **$379.95**

M2 Copy Outfit Stand with Two Quartz Lights

Versatile swivel light support arms can be positioned to illuminate top and/or bottom of copy stage as well as baseboard to offer a wide variety of lighting techniques. Two quartz lights are provided.

BN0150 ..... **$789.95**

M2 Illuma System with Pedestal

This comprehensive copy unit combines sidelight and base illumination for more creative control and versatility. The Illuma features a 14" x 17" base illuminator. Overall height 79". *(pictured at left.)*

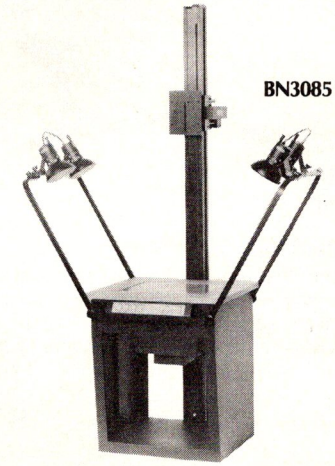
BN0300 ..... **$1425.00**

Bencher M2 Illuma System with Bench

Same as Illuma w/Pedestal, but with two quartz lights instead of four. Overall height: 67".

BN0200 ..... **$1195.00**

Polarizing Light Filter Kit listed below.



BN3085

Bencher M3 Copy Stand

The M3 Copy Stand System is similar to, yet different from the M2 System. The M3 is sturdier and more rugged, making it ideal for large format copy work. To accommodate these larger cameras, the column is set behind the baseboard rather than on it, allowing an additional four inches of centering excursion and complete use of the entire 23½" x 26" baseboard. The M3 also features a large 6¾" x 10" adjustable mounting plate.

BN3050 ..... **$599.95**

M3 Camera Stand-Bench Model

Complete with copy light arms, arm braces, four 250 watt quartz Halogen lights, and copy light control for high/low settings.

BN3070 ..... **$1450.00**

M3 Illuma Stand-Bench Model

Incorporates a built-in 14" x 17" baseboard illuminator for back lighting. Comes complete with four quartz Halogen lights and accessories.

BN3080 ..... **$1750.00**

M3 Illuma Stand-Pedestal Model

Features 30" high baseboard with built-in 14" x 17" illuminator. Comes complete with four quartz Halogen lights and accessories. *(pictured at left.)*

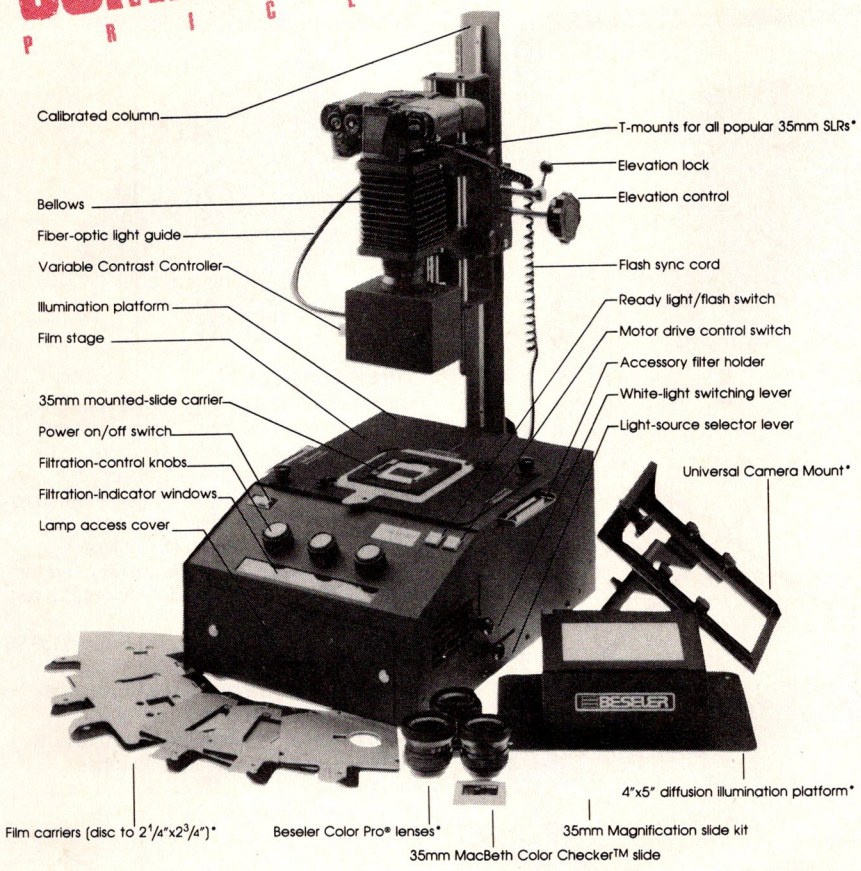
BN3085 ..... **$1895.00**

Polarizing Light Filter Kit-includes mounting frames and filters to fit sidearms *(requires copy light control unit).*

BN2010 ..... **$137.95**

COMPETITIVE PRICES

SLIDE COPIERS
Beseler
Bowens



*NOTE: camera body and optional accessories not supplied.

Beseler Dual-Mode Slide Duplicator

This highly advanced and versatile slide duplicator offers many new features, including both continuous 250W quartz-halogen lighting and fast (2 second) recycling built in electronic flash for all color balanced films; color-matched contrast control with either light source, and dial-in (with illuminated knobs) corrective/creative filtration with continously-variable dichroic filters. The Beseler Variable Contrast Controller (VCC) transmits a small, selectable portion of the light output through a fiber-optic light guide directly through the lens, which is identical in color to the filtered light passing through the transparency - thus, no auxiliary filtration is needed.

Other significant features:

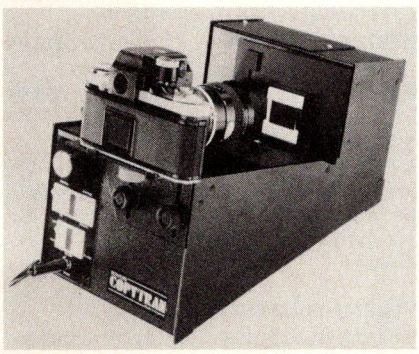
- Simplified exposure control.
- Accepts virtually any camera with interchangeable T-Mount adapters for all popular SLR's. (Purchased Separately)
- Accepts virtually any lens - standard 39mm threaded adapter accepts most enlarging lenses. Accessory T-Mount adapters are also available.
- Multi-position accessory holder accepts virtually any type filter or special effects material up to 3½" square.
- Accepts originals up to 4" x 5" with optional diffusion illumination chamber. Optional carriers available for Disc to 6 x 7.
- Filtration range from 0-200 units in yellow, magenta, and cyan.

Beseler Dual-Mode Slide Duplicator complete with 2" x 2" mounted slide carrier, 35mm film carrier, flash sync cord, bellows, film stage, accessory holder, 250W quartz-halogen lamp, flash tube, magnification scale and Macbeth color checker.

BS6000 ..... **CALL**

Preferred Lenses for Beseler Duplicator

75mm f3.5 Beseler
BS2530 ..... **$ 39.95**
75mm f4 APO
Rodagon **RS5085** **$309.95**
T mount camera adapters
(specify camera) **$7.95**



Bowens Copytran

Compact slide duplicator features daylight balanced flashtube, modeling lamp which allows metering of slides through camera, and universal mounting stage to accept most 35mm SLRs with a normal macro set for 1:1. Accommodates both 35mm and 6 x 6cm mounted slides. Voltage stabilized. Dimensions: 8"(H) x 8½"(W) x 14½"(L).

BW5700 ..... **$299.95**



Bowens Illumitran 3SC

For one-to-one duplicates from color originals. Reduces from all or part of the original. For making film strips, sectional blowups, black-and-white negatives or positives from color originals. Lets you duplicate with special effects without heat problems and correct for overexposed or underexposed originals. Illumitran 3SC offers contrast control for varying the color of shadow areas without affecting highlight coloration. Allows you to compensate for color crossovers.

BW5503 ..... **$729.95**

Bowens Illumitran 3S

With bellows unit and universal transparency holder for mounted slides in 2" x 2" and 2¾" x 2¾" mounts, plus unmounted transparencies up to 2¼" x 2¾." *(Without lens adapter and camera, body adapter.)*

BW5501 ..... **$569.95**

Prices are subject to change without notice.

DARKROOM
Beseler Enlargers

Beseler 45MXT Buying Guide

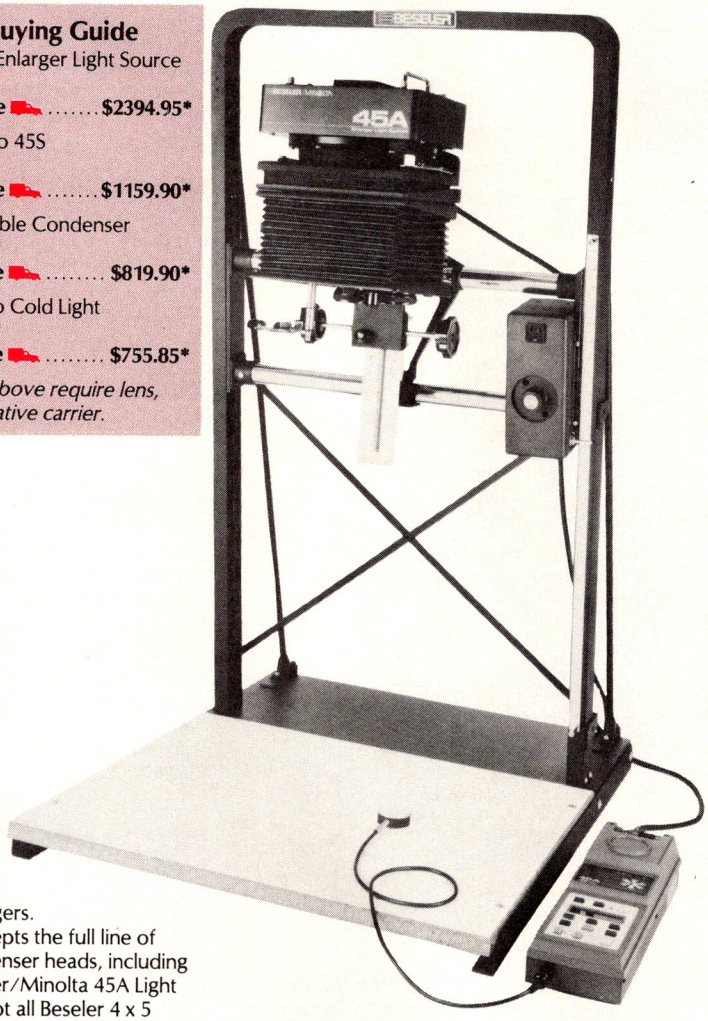
Beseler 45MXT/45A Enlarger Light Source Enlarger Package
Special Package Price **$2394.95***

Beseler 45MXT Dichro 45S Enlarger Package
Special Package Price **$1159.90***

Beseler 45MXT/Variable Condenser Enlarger Package
Special Package Price **$819.90***

Beseler 45MXT/Aristo Cold Light Enlarger Package
Special Package Price **$755.85***

** Enlarger packages above require lens, lensboard, and negative carrier.*



Chassis shown with optional 45A color head.

Beseler 45MXT Professional Enlarger System

The 45MXT enlarger system is the latest in the Beseler series of 4 x 5 professional enlargers. This rugged chassis accepts the full line of Beseler color and condenser heads, including the revolutionary Beseler/Minolta 45A Light Source. It will also accept all Beseler 4 x 5 series glass and glassless rotating type negative carriers, as well as the unique Negatrans and Negaflat carriers.

Beseler's Three-Lens Turret option provides the ultimate in darkroom printing flexibility and convenience. The turret is designed to accept three lenses from 35mm to 150mm, allowing the user to switch from 35mm to 2¼ to 4 x 5 – without changing lensboards. This makes much more efficient use of your darkroom time. Standard 4" x 4" lensboards for lenses from 28mm to 180mm also fit the 45MXT.

The 45MXT features a lateral shifting carriage, new adjustable below-the-lens filter holder and includes a red safety filter.

BS3170 ..... **$599.95**

toll free
TECHNICAL ASSISTANCE

Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

Beseler Adjust-Table



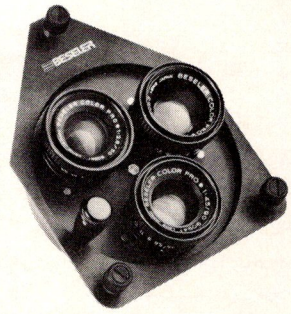
A special table for Beseler 4 x 5 enlargers, allowing the enlarger's baseboard to be "dropped" for making oversized prints. 4 x 5 negatives can be enlarged up to 24 x 30" when using a 135mm lens. Made of heavy gauge steel for vibration-free support.

For 45M enlargers.
Size 31"h x 29"w x 31½"d.

BS3050 ..... **$209.95**

Adjust-Table shown with optional 45MX series chassis with condenser head.

Beseler 45 Series Accessories



Three-Lens Turret

This time-saving accessory allows you to mount three lenses, from 35mm to 150mm, at one time, permitting faster and more convenient lens changes. Fits directly to 45MXT enlarger chassis, or can be adapted to all previous 45 Series enlargers. Turret will accept most 39mm (*Leica*) mount lenses directly. Adapters or spacers are required for certain lenses. Call for details with regards to mounting your lenses.

BS3172 ..... **$139.95**

Three-Lens Turret Conversion Kit

For 45 Series Enlargers *(not required for 45MXT chassis)* This kit allows you to use the three-lens-turret on all earlier 45 series chassis'.
(Turret not included.)

BS3174 ..... **$129.95**

Beseler 45 Negative Carriers

35mm **BS3210** **$46.95**
35mm Oversize 25 x 37
BS3205 ..... **$46.95**
35mm Mounted Slide
BS3211 ..... **$46.95**
6 x 4.5 cm **BS3235** **$46.95**
6 x 6 cm **BS3215** **$46.95**
6 x 7 cm **BS3230** **$46.95**
6 x 9 cm **BS3220** **$46.95**
3¼ x 4¼ Polaroid Pack
BS3245 ..... **$46.95**
4 x 5 cut film
BS3225 ..... **$46.95**
4 x 5 Universal Glass
BS3240 ..... **$53.95**

Negaflat Carrier

Holds 4 x 5 negs flat without glass. Lever operates two sets of clamping bars that grip the negative outside the image area, holding it taut and flat under "controlled tension."

BS3260 ..... **$99.95**

Negatrans Carrier

35mm Negatrans for 4 x 5 enlargers for full or ½ frame 35mm
BS3250 ..... **$109.95**
2¼ Negatrans for 4 x 5 enlargers adjustable for 2¼ square or 6 x 7.
BS3255 ..... **$139.95**
Drop-in 645 adapter for 2¼ Negatrans
BS2251 ..... **$26.95**

Prices are subject to change without notice.

Beseler/Minolta 45A Enlarger Light Source



This self-monitored, closed loop system features a compact, vibration-free color-head with microprocessor controlled flashtubes that separately expose each layer of paper - red, green and blue - for precise, repeatable results; and a system controller which times, analyzes and stabilizes exposures accurately. Its easy 2-button programming sets exposure, material and color data. Provides unparalleled dodging/burning, automatic ring-around sequences, diffusion illumination and a failsafe memory in five programmable banks. The Beseler/Minolta 45A Enlarger Light Source fits all Beseler 4x5 enlargers and all Omega D Series chassis.

BS3010 ..... **CALL**
Color flash Tube **BS3118** **$12.25**
Focus flash Tube **BS3119** **$12.25**



Dichro 45S Colorhead

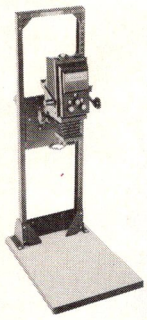
Low-priced 4x5 colorhead. Features include: 0-200 CC filtration, "paper saver circuit", built-in voltage stabilized power supply.
BS3128 ..... **$549.95**

Accessories for Dichro 45

6 x 7 Diffusion Chamber
BS3135 ..... **$149.95**
35mm Diffusion Chamber
BS3136 ..... **$149.95**
Condenser Chamber (requires lamphouse)
BS3140 ..... **$214.95**
45M Condenser Lamphouse
BS3300 ..... **$209.95**
Repl. Lamp for Color Computer head
BS3145 ..... **$27.95**
Custom Mounting Kit for Beseler Color-heads
to Omega D2, D5, & D6 enlargers.
BS3142 ..... **$119.95**

Aristo Cold Light Source

Aristo D-2 Cold Light Source for Beseler 45 Enlarger (see page 126 for details)
AI1000 ..... **$137.95**
Aristro D-2 adapter collar for 45m
AI1005 ..... **$17.95**



Beseler 67SD-XL Color Enlarger

This economical 6 x 7cm color enlarger features rugged twin girder chassis and Dichro 67S solid state colorhead, which provides continuously variable 0-200 dial-in dichroic filtration and integral solid state power supply. Includes both 6 x 7cm and 35mm mixing chambers and baseboard.
BS7000 ..... **$299.95**

Beseler 67SD-XL Enlarger/Lens Package
Includes enlarger, colorhead, baseboard and Beseler 50 mm f2.8, 6-element lens.
Special Package Price **$329.95**

Beseler 67SD Enlarger Accessories

Voltage Stabilizer **BS7020** **$59.95**
35mm Carrier **BS6026** **$29.95**
35mm Mounted Slide Carrier
BS6024 ..... **$29.95**
6x4.5 Carrier **BS6054** **$28.95**
6x6 Carrier **BS6055** **$28.95**
6x7 Carrier **BS6056** **$28.95**

Beseler 23CII XL Condenser Enlarger

The 23CII XL is a professional quality enlarger for negative sizes from 8mm to 6 x 9cm formats. Its double post cantilever construction assures rigidity and sharp-as-negative prints.

Oversized 5½" precision ground condensers insure uniform coverage for all negative formats. Horizontal projection pivot permits enlarger to be swung and locked in 90 position for wall projection mural size prints. A unique tilting lens stage allows for correction of image distortion.

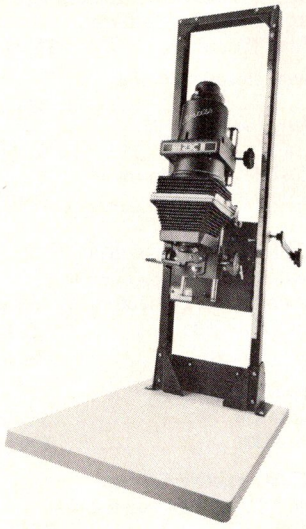
The 23CII XL also features a light-tight color printing filter compartment in the lamphouse for CP and heat absorbing filters. Fully extended, the 23CII XL measures 57" with condenser lamphouse including 25½" x 17" x 1¼" laminated baseboard.
BS2006 ..... **$329.95**

Beseler 23CII-XL Condenser Enlarger/Lens Package

Includes chassis, condenser lamphouse, baseboard, lensboard and Beseler 50mm f/2.8 Color Pro lens. *(requires negative carrier)*
Special Package Price **$359.95**

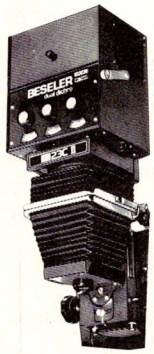
50mm Beseler Lens Kit for 23C

Consists of 50mm f3.5 Beseler lens with lensboard and 35mm carrier.
BS2510 ..... **$74.95**



23C Negative Carriers

35mm **BS2210** **$29.95**
35mm mounted slide **BS2215** **$31.95**
6 x 4.5 **BS2205** **$29.95**
6 x 6 **BS2225** **$29.95**
6 x 7 **BS2240** **$29.95**
6 x 9 **BS2230** **$31.95**
35mm Negatrans **BS2255** **$79.95**
Universal Glass Carrier
For all formats up to 2¼"x3¼".
BS2245 ..... **$42.95**



Dual Dichro-S Colorhead

Can be used with or without condensers. Features white light focusing lever, 0-200 filtration, and built-in solid state stabilized power supply.
BS3008 ..... **$339.95**

35mm Mixing Chamber for Dual Dichro 23
BS3305 ..... **$54.95**

Dichro-S Replacement Lamp

250W Replacement lamp for Dichro-S Colorhead **BS3145** **$27.95**

Aristo Bes 23 C

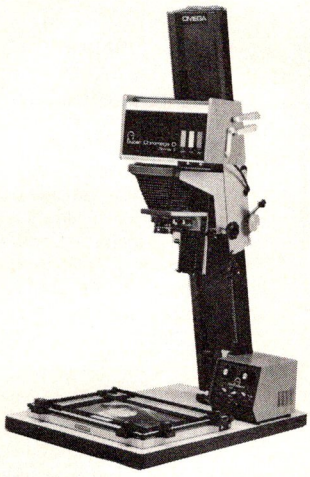
This cold light head was especially customized to fit the popular Beseler 23C enlarger.

Equipped with thermostat control insuring uniform densities in sequential printing regardless of the duration of the exposure.

Unit installs easily in about ten minutes.
AI1015 ..... **$149.95**

23C to 45 Series Light Source Adapter

This new adapter will mount any colorhead in the Beseler 45 system, including the Beseler/Minolta 45A Enlarger Light Source, to all 23C enlargers.
BS3182 ..... **$119.95**



Omega D5-XL System

This industry standard consists of the rugged D5-XL chassis with a 57" scaled girder and 22 x 34" oversized baseboard. The elevation system is counterbalanced and rack and pinion controlled. For ultimate smoothness and precision, the D5 has an optional Micromega dual-range focusing attachment. Modular in design, the D5 has interchangeable lamphouses and a wide assortment of negative carriers.

Omega D5XL Dichro Enlarger
Includes chassis, baseboard, Chromegatrol power supply/timer and D Dichro II lamphouse.
Package Price **$1595.00**

Omega D5XL Condenser Enlarger
Includes chassis, baseboard and DV-Universal Condenser lamphouse.
Package Price **$895.00**

Dichroic II/D5-XL Accessories

Standard Power Supply
OA6443 ..... **$199.00**
Voltage Stabilizer **OA6475** **$209.95**
DB Light Multiplier for negatives up to 2¼" x 2¾"
OA7150 ..... **$149.95**
250 Watt Halogen Lamp for Dichro II
OA6925 ..... **$23.95**
Chromegatrol Footswitch
OA6447 ..... **$47.95**
Turret for D5XL Enlarger
OA6735 ..... **$129.95**
Slide-in Single Lens Mount must be used with appropriate oval lens plate.
OA6740 ..... **$31.95**
Slide-in Single Lens Mount as above, but for lenses shorter than 50 mm
OA6743 ..... **$31.95**
Micromega Dual Range Focus Kit
OA7715 ..... **$79.95**
CT-40 Digital Darkroom Timer/Controller with Expansion Interface
OA7940, OA7142 ..... **$189.90**
24"x30" Enlarging table for D series Omega Enlargers
OA4265 ..... **$1195.00**

Omega Pro-Lab II Enlarger

The Omega Pro Lab II Enlarger combines the stability advantages of the D5500 Chassis with the versatility and convenience of the traditional D5 negative carrier system at a very economical price.

Omega Pro-Lab II Dichroic Enlarger Package
Includes D5500 chassis, baseboard, lens turret, and Dichroic II Lamphouse *(requires power supply)*
OA3005 ..... **$1179.95**

Omega Pro-Lab II Condenser Enlarger Package
Includes D5500 chassis, baseboard, lens turret and DV Universal Condenser Lamphouse
OA3000 ..... **$729.95**

Negative Carriers For D/Pro-Lab Type Enlargers

35mm **OA6609** **$34.95**
35mm Mounted Slide
OA6680 ..... **$39.95**
2¼" x 2¼" (6 x 6cm)
OA6626 ..... **$34.95**
6 x 4.5cm **OA6623** **$34.95**
2¼" x 2¾" (6 x 7cm)
OA6627 ..... **$34.95**
2¼" x 3¼" (6 x 9cm) **OA6630** **$44.95**
Polaroid 105 **OA6640** **$44.95**
4 x 5 Cut **OA6645** **$34.95**
4 x 5 Universal Glass **OA6660** **$79.95**

Omega D5500 Enlarger System

Omega D5500 Dichro Enlarger
Includes chassis, baseboard, CLS lamphouse with Controller III and 3-lens turret.
Package Price **$2470.00**

D5500 power elevation module
OA4006 ..... **$219.95**
D5500 power focus module
OA4007 ..... **$219.95**
D5500 focus/elevation control
OA4008 ..... **$219.95**

Omega D5500 Accessories

Replacement 200W Halogen Lamp for Dichroic Lamphouse **OA4200** **$19.95**
Wall Mount **OA4250** **$81.95**
Wall Brace **OA4260** **$81.95**

Light Multipliers (w/probe)
6x7 cm **OA4030** **$199.95**
35mm **OA4032** **$199.95**

Omega D5500 Negative Carriers
Carrier Holder C (for masks up to 6 x 7)
OA4050 ..... **$41.95**
Carrier Holder D (for masks 6 x 9 to 4 x 5)
OA4052 ..... **$41.95**
Carrier Cassette for Film Strip Masks
OA4054 ..... **$139.95**
35mm Full-Frame Mask **OA4120** **$19.95**
6 x 6cm Mask **OA4127** **$19.95**
4" x 5" Mask **OA4145** **$19.95**
Universal 5x5 glass **OA4060** **$99.95**
2"x2" mtd. slide mask **OA4122** **$34.95**
6 x 4.5 cm mask set **OA4125** **$19.95**
6 x 7 cm mask set **OA4130** **$19.95**

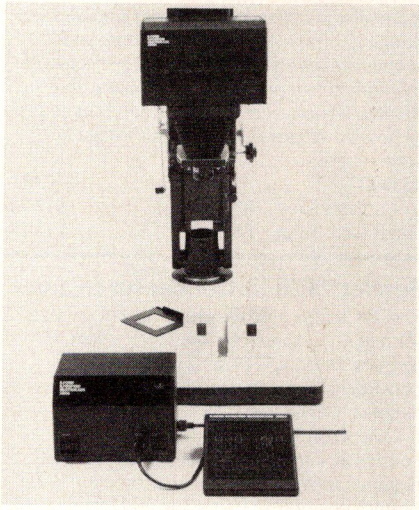
Omega C760XL Dichroic Enlarger

This modular enlarger features a dichroic lamphouse for precision color printing with 35mm thru 6 x 7cm formats. Includes an 18" x 22" x 1¼" baseboard, 50" extra long chassis, lamphouse, 35mm and 6 x 7 mixing chambers.
OA5020 ..... **$369.95**

Special Omega C760XL Dichroic Enlarger Package
Includes enlarger as listed above and two lensboards and Beseler 50 mm f/2.8 Color Pro Lens
Special Package Price **$399.95**

Omega C760 Accessories

Solid State Voltage Stabilizer
OA6470 ..... **$69.95**
35mm Negative Carrier **OA5035** **$34.95**
35mm Mounted Slide Carrier
OA5037 ..... **$29.95**
6 x 4.5 Negative Carrier
OA5040 ..... **$29.95**
6 x 6 Negative Carrier **OA5043** **$29.95**
6 x 7 Negative Carrier **OA5045** **$29.95**



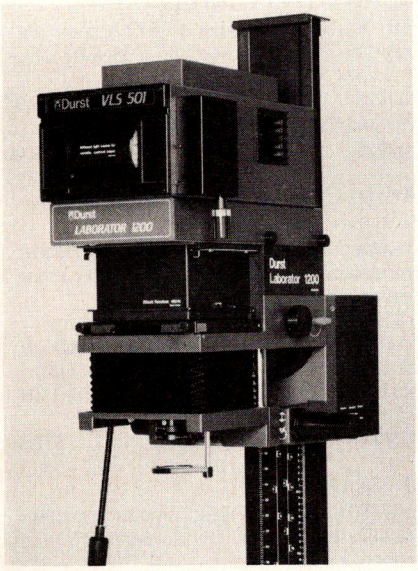
Multigrade 500C System

Saves time and money by increasing productivity when using Multigrade II or Multigrade FB variable contrast papers. Finger tip contrast control accesses 11 contrast grades (0 through 5 in ½ grade increments) calculates exact exposure times yielding outstanding print quality. Position the 500 Electronic Probe *(optional),* select the contrast and exposure times are set. The 500C system includes 4x5 head, power supply, control unit, ELH lamp and power leads. *(requires enlarger adapter and chassis)*
Package Price ..... **CALL**

Optional 500C Accessories
Footswitch **IK5040** **$29.95**
Exposure Probe **IK5050** **$129.95**

Enlarger Adapters
Omega D **IK5100** **$199.95**
Beseler 45 **IK5105** **$199.95**
Beseler 23 C **IK5110** **$159.95**
Durst 1200 **IK5115** **$269.95**
Omega D 5500 **IK5120** **$229.95**

Prices are subject to change without notice.



Durst L1200 Chassis

The Durst Laborator 1200 is a modular enlarging system designed to meet the professional's highest standards. Negatives from 35mm thru 4 x 5 can be enlarged using one of three light sources available: 4 x 5 Condenser Head, VLS 501 Diffusion Head, and the Varipoint 1200 Point-Source System. The tilting negative stage and lens board offers converging vertical corrections on the baseboard. The L1200 swivels for horizontal projection or can be wall mounted (optional). Its standard glass negative carrier features built-in blinds, and slides accurately into place on ballbearings. This carrier system is pin registered, allowing precise multiple printing.
DR3008 ..... **$1599.00**

Durst Varipoint 1200

The Varipoint 1200 is a point-light source especially suited for enlarging low contrast negatives, line drawings, microfiche and electron micrographs. It features a variable intensity lamp and is micrometer adjusted on three axis for precise centering. Special double-coated condensers cover the 4 x 5, while other condenser options are available to cover formats down to 35mm. A "T" coated front surface mirror and special "T" coated glass in the negative carrier make it the sharpest enlarger available.

Includes L1200, "T" coated 4" x 5" condensers and glass 4 x 5 negative carrier, lamphouse, 100 watt lamp, and light transformer. Requires chassis, lens and lensboard. **DR3000** **$2799.00**

VLS 501 Diffusion Head

The VLS 501 diffusion head suppresses scratches and negative flaws. Its built-in stepless filters allow variable contrast when using variable contrast papers. A special neutral density blind maintains constant exposure times throughout the contrast range. Includes 4x5 light mixing box, 4x5 glass negative carrier, 250 watt lamp and transformer. Requires chassis, lens and lensboard. **DR3005** **$1799.00**

Condenser Head

Durst uses a micrometer focusing system for lamp and condensers, yielding even illumination regardless of format or magnification. Includes 4" x 5" condenser set, 4 x 5 glass negative carrier with integral masks and 150 watt opal lamp. Requires chassis, lens and lensboard. Optional condensers are available for formats down to 35mm.
DR3010 ..... **$1199.00**

L1200 Accessories

Laborator 1200 Metal Masks (dustless)
450 (4 x 5) **DR3020** **$74.00**
45N (6 x 4.5) **DR3022** **$74.00**
69N (2¼ x 3¼) **DR3024** **$74.00**
67N (2¼ x 2¾) **DR3026** **$74.00**
66N (2¼ x 2¼) **DR3028** **$74.00**
35N (35mm) **DR3030** **$74.00**

Helicoid Lens Mount-permits reductions or 1:1 printing. Requires 39mm lensboard
DR3034 ..... **$176.00**
Wall Mount **DR3036** **$416.00**
Dust cover **DR4042** **$39.95**
Replacement Glass for carriers
DR4040 ..... **$19.95**

Replacement Lamps
Opal 150 watts for condenser lamphouse
DR3066 ..... **$3.95**
250 watt for VLS 501 **DR3068** **$79.00**
12 V 100 watt for Varipoint
DR3070 ..... **$36.00**

Lensboards for L1200 and AC 800
39mm flat **DR3072** **$18.00**
39mm recessed **DR3075** **$17.95**
39mm extension cone
DR3077 ..... **$34.95**

See page 127 for enlarging lenses.

Durst Multi-Print Lens Systems

Durst Multi-Lens clusters permit multiple prints from a single exposure. Matched for color and density, these lenses fit Durst, Beseler, and Omega enlargers. Beseler and Omega require lensboards (not included) and mounting. Supplied with Durst lens board and masks.
#352 2-lens cluster for two 5 x 7 per exposure from 35mm **DR3080** **$419.00**
#354 4-lens cluster for four 2½ x 3½" prints per exposure from 35mm
DR3082 ..... **$799.00**
#674 4-lens cluster for four 2½ x 3½" prints per exposure from 645 format
DR3084 ..... **CALL**

Durst AC 800

The Durst AC 800 enlarger is better described as a printer. It's automatic exposure control monitors and corrects for color balance and density variations during the exposure and also for changes in magnification. The microprocessor brain contains 30 memories, saving information on different film or paper types with submemories for over-under (slope), reciprocity failure and subject failure. The built-in reflection densitometer and grey card reads test prints directly into the microprocessor, storing and allowing automatic set up all of its parameters.

Includes chassis, negative carrier, 6 x 7 mask set, 6 x 9 mixing box, 6 x 9 glass master set of test negatives, test print, and power supply/stabilizer. Lens and lensboard required.
DR4000 ..... **$4799.00**

Durst AC 800 Autofocus
Same as above, but automatically focuses any negative despite magnification changes.
DR4002 ..... **$6399.00**

AC 800 Accessories

Remote Control **DR4005** **$256.00**

Light Mixing Boxes
35mm **DR4012** **$112.00**
6 x 6 **DR4010** **$112.00**
6 x 9 **DR4014** **$112.00**

Metal Masks
35mm **DR4030** **$21.95**
6 x 4.5 **DR4032** **$21.95**
6 x 6 **DR4034** **$21.95**
6 x 7 **DR4036** **$21.95**
6 x 9 **DR4038** **$21.95**
110 (manual filtration only)
DR4024 ..... **$67.50**

See L1200 accessories for AC 800 lensboards.

Minit Mask

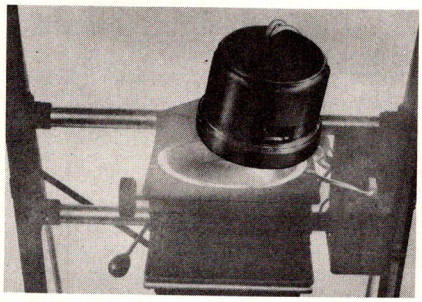
This revolutionary, contrast control masking device is designed to reduce the contrast range of negatives and slides. Minit Mask is a light sensitive glass which produces a grainless silver mask in less than 60 seconds when exposed with an ordinary strobe. No darkroom processing is required! Perfect registration everytime! Each unique mask can be erased by simply applying heat, so Minit Mask can be used over and over and over. Available unmounted or premounted.

Unmounted Minit Mask - To be attached to bottom of negative carrier, or below slide or negative.
35mm Minit Mask **DR7000** **$239.95**
35mm Minit Mask for Mounted Slide
DR7005 ..... **$214.95**
4" x 5" Minit Mask DR7030 ..... **$449.95**

Premounted Minit Mask
35mm Minit Mask w/Beseler 23C Carrier
DR7010 ..... **$214.95**
35mm Minit Mask w/Omega D-Series Carrier
DR7025 ..... **$249.95**
35mm Minit Mask w/Durst AC 800 Mask
DR7018 ..... **$214.95**
35mm Minit Mask w/Durst L1200 Mask
DR7020 ..... **$249.95**
4" x 5" Minit Mask w/Beseler 45 Carrier
DR7050 ..... **$539.95**
4"x 5" Minit Mask w/Omega D-Series Carrier **DR7060** **$539.95**
4" x 5" Minit Mask w/Durst L1200 Mask
DR7040 ..... **$539.95**

(Premounted 4" x 5" Minit Masks are also available with anti-newton glass. Call for availability and price.)

DARKROOM
Aristo Cold Light Sources
Focusing Aids



Aristo Cold Light Sources

Aristo Cold Light Sources offer the following black and white printing advantages:

- Reduces negative "pop", buckle and warping. The housing remains at a low 105° constant temperature.
- Eliminates Hot Spots.
- Faster printing speed . . . up to 2½ times normal which means greater sharpness because of reduced vibration.
- Long lamp life – approximately 10,000 hrs.
- Less print spotting – The Aristo Highly Diffused Light Source suppresses dust and scratches on the negative.
- Eliminates the Callier effect for brilliant prints as close to contact print quality as possible from an enlarger.

Aristo D-2 Cold Light Source

Fits Omega D series and Beseler 4 x 5 enlargers (Adapter is required for installation.)
AI1000 ..... **$137.95**

W45 Replacement Lamp for D-2 H.I.
AI2000 ..... **$43.00**

Adapters for Aristo D-2 Cold Light

Beseler 45M Series Adapter
AI1005 ..... **$17.95**

Omega D5 Adapter Collar (used to convert existing condenser system to a cold light system.)
OA7570 ..... **$29.95**

Aristo Bes 23-C

Fits Beseler 23-C Enlarger. No adapter required. Equipped with thermostat control to insure uniform densities in sequential printing, regardless of the duration of the exposure. Installs easily. **AI1015** **$149.95**

W45 Replacement Lamp for Bes 23-C
AI2010 ..... **$34.00**

Aristo B-22

Fits Omega B22 or B66 enlarger. The printing speed of the B-22, in most instances, will be faster than with the bulb and condensers in enlarger. **AI1010** **$149.95**

W45 Replacement Lamp for B-22
AI2015 ..... **$34.00**

Aristo STD45 Cold Light

Can be adapted to other 4 x 5 or homemade enlargers. Power consumption: 35 watts on 115 volts AC. Size: 4½ x 5½ x 5".
AI1025 ..... **$129.95**

W45 Replacement Lamp for STD 45
AI2020 ..... **$39.00**

Aristo Contactor Model 1200

Solid state booster and switching unit designed to isolate Aristo's Cold Light Heads from digital and solid state timers that cannot properly handle loads created by the transformer. Increases the capacity of any timer to 1200W. This unit has a receptacle to plug the cold light into and two cords with plugs: one for the timer and one for the 110v AC outlet. Size – 5" x 3½" x 2".
AI3500 ..... **$77.00**

D 750 Dimmer

The 750 voltage stabilized dimmer provides for infinite control of intensity levels. 750 watt inductive load capacity.
AI3700 ..... **$74.95**

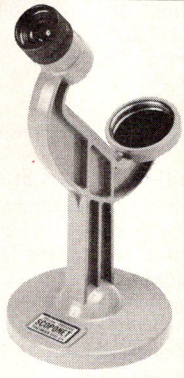
Beseler Audible Repeating Timer

Ideal electronic timer for use with Aristo cold light heads (does not require Aristo Contactor Model 1200). *See page 130 for details.*
BS4500 ..... **$79.95**



Critical Enlarging Focuser

Precision focusers for fine, accurate enlarging. Feature a 10-power achromatic Kellner eyepiece consisting of three coated lenses in two groups plus an optical glass disc with an engraved framed rectangle at the focal point. The mirror assembly includes a front surface mirror.
PC1710 ..... **$149.95**



Thomas Scoponet Enlarging Magnifier

Features 20X, flat field eye piece which permits quick and easy focus on the actual grain of negative. "Micrometer reticle" allows for compensation for paper thickness or makes allowance for light traps on special easels or printing machines. Height – 8½". Weight – 8 oz. **TI7800** **$31.95**



Micro-Sight Enlarger Focusing Magnifier

25X enlarger grain focusing scope features an extremely bright triple element achromatic lens and "Mikodot Superbrite" mirror for sharp, clear reflection, free from "ghost" or double images. Adjustable eyepiece with air suspended hair reticle. Sturdy construction with weighted base. **BR2325** **$49.95**

Omega Grain Focuser



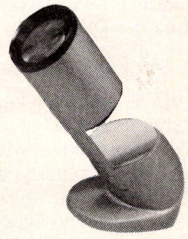
Features 10X, f/1.4 4-element, coated wide angle eyepiece. Wide angle coverage gives effective and accurate use in any area of the image up to 21° from the optical axis of the enlarger lens. Front surface mirror, protected by a felt-lined, hinged cover. Adjustable eyepiece and rubber eyecup.
OA7711 ..... **$94.95**

Mini Sight—NEW



This 10X grain focuser is economical in size and in price. It is only 5¾" high, all metal construction and features a front surface mikodot mirror. Ideal for student and beginner darkroom technicians.
BR2330 ..... **$17.95**

Magna-Sight Enlarger Focusing Magnifier



Enlarger magnifying focusing sight can be focused on any area of the projected image from corner to corner, not just in the center. Precise and accurate focus, individually adjusted for perfect focus. Made of metal with weighted base. **BR2320** **$29.95**

Schneider Componon-S Lenses

Regarded as the standard professional enlarging lenses for true color enlarging. They provide excellent resolution throughout the full aperture range, from wide open to the smallest f/stop. The lenses are of a symmetrical construction, eliminating "focus shift" as lens is stopped down. Focusing can be done with lens "wide open" for maximum illumination.



Focal Length	Aperture Range	Elements	Format Size	Barrel Size	Retaining Ring Included	Remove-able Stops	Preset Aperture	Cat. No.	Price
50mm	2.8-16	6	35mm	39mm	No	Yes	Yes	**SC5050**	**$124.95**
80mm	4.0-22	6	6x6/6x7cm	39mm	No	Yes	Yes	**SC5084**	**$164.95**
100mm	5.6-45	6	6x9cm	39mm	No	Yes	Yes	**SC5100**	**$184.95**
135mm	5.6-45	6	4" x 5"	42mm	Yes	Yes	No	**SC5135**	**$239.95**
150mm	5.6-45	6	4" x 5"	50mm	Yes	Yes	No	**SC5151**	**$259.95**

EL Nikkor Lenses

Specifically computed for optimum performance at the most widely preferred enlargement sizes. EL Nikkor lenses offer resolving power, contrast, evenness of illumination and flatness of field far in excess of the capabilities of conventional optics. They are corrected for chromatic aberration beyond the visible spectrum, insuring against focus shift at every aperture and magnification. All EL Nikkor lenses, 50mm to 150mm, are supplied in universal (39mm) "Leica" thread mount.



50mm	2.8-16	6	35mm	39mm	No	No	No	**NL8052**	**$104.95**
75mm	4.0-45	4	6x6cm	39mm	No	No	No	**NL8075**	**$114.95**
80mm	5.6-32	6	6x7cm	39mm	No	No	No	**NL8080**	**$139.95**
105mm	5.6-32	6	6x9cm	39mm	No	No	No	**NL8105**	**$169.95**
135mm	5.6-45	6	4" x 5"	39mm	No	No	No	**NL8135**	**$249.95**
150mm	5.6-45	6	4" x 5"	39mm	No	No	No	**NL8150**	**$329.95**
180mm	5.6-45	6	5" x 7"	62mm	Yes	No	No	**NL8180**	**$399.95**
210mm	5.6-45	6	5" x 7"	72mm	Yes	No	No	**NL8210**	**$499.95**
240mm	5.6-45	6	8" x 10"	82mm	Yes	No	No	**NL8240**	**$649.95**
300mm	5.6-45	6	10" x 12"	100mm	Yes	No	No	**NL8300**	**$969.95**
360mm	5.6-45	6	11" x 14"	130mm	Yes	No	No	**NL8360**	**$1299.95**

Rodenstock Rodagon Lenses

The Rodagon's series of enlarging lenses exceed the most demanding professional requirements. The computer-designed six-element formula utilizes special rare earth glass for outstanding color correction.



28mm	4.0-16	6	18x24mm	32.5mm	Yes	No	No	**RS5000**	**$229.95**
35mm	4.0-16	6	24x24mm	32.5mm	Yes	No	No	**RS5005**	**$184.95**
50mm	2.8-16	6	35mm	39mm	Yes	Yes	Yes	**RS5010**	**$109.95**
50mm	4.0-16	6	35mm	39mm	Yes	Yes	Yes	**RS5015**	**$99.95**
80mm	4.0-22	6	6x7cm	39mm	Yes	Yes	Yes	**RS5025**	**$144.95**
80mm	5.6-22	6	6x7cm	39mm	Yes	Yes	Yes	**RS5030**	**$129.95**
105mm	5.6-32	6	6x9cm	39mm	Yes	Yes	Yes	**RS5035**	**$219.95**
135mm	5.6-32	6	4" x 5"	39mm	Yes	Yes	Yes	**RS5040**	**$244.95**
150mm	5.6-45	6	4" x 5"	50mm	Yes	No	No	**RS5045**	**$299.95**
180mm	5.6-45	6	5" x 7"	50mm	Yes	No	No	**RS5050**	**$389.95**
210mm	5.6-45	6	5" x 7"	58mm	Yes	No	No	**RS5055**	**$429.95**
240mm	5.6-45	6	8" x 10"	72mm	Yes	No	No	**RS5060**	**$649.95**
300mm	5.6-45	6	8" x 10"	72mm	Yes	No	No	**RS5065**	**$959.95**
360mm	6.0-45	6	10" x 12"	90mm	Yes	No	No	**RS5070**	**$1179.95**

Rodenstock Apo-Rodagon Lenses

Produce excellent contrast in fine detail at the edges of the image, even at wide apertures.

	50mm	2.8-16	6	35mm	39mm	Yes	Yes	Yes	**RS5080**	**$199.95**
	80mm	4.0-22	6	6x7cm	39mm	Yes	Yes	Yes	**RS5095**	**$319.95**
	240mm*	5.6-128	6	12" x 16"	90mm	Yes	No	No	**RS5240**	**$399.95**
	300mm*	5.6-128	6	16" x 20"	90mm	Yes	No	No	**RS5300**	**$699.95**
*Supplied with 4" mounting plates.	360mm*	6.8-64	6	20" x 24"	115mm	Yes	No	No	**RS5360**	**$999.95**

Specialized Lenses for Slide Duplication

The following lenses are designed specifically for use in the same size (1:1) reproduction range, thus producing excellent definition, contrast and color correction for slide and negative duplication. Note: These lenses are not recommended for general purpose enlarging as they are not corrected for higher magnifications than 3X.

Rodenstock 75mm APO-Rodagon	75mm	4.0-22	6	6x6cm	39mm	Yes	Yes	Yes	**RS5085**	**$349.95**

39mm Leica Retaining Rings

39mm Retaining Ring
BS2145 ..... **$3.95**

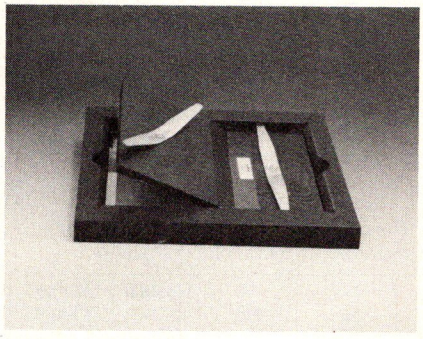
Thin Retaining Ring for Omega turret extended mounting plates
RS2145 ..... **$5.95**



Premier 4-in-1 Enlarging Easel

Magnetic latching with four fixed frames with ¼" margins – 8" x 10", 5" x 7", 3½" x 5", 2½" x 3¼". No adjustments needed. Features solid steel construction, rubber non-slip feet and special focusing base.

PM6320 ..... **$27.95**

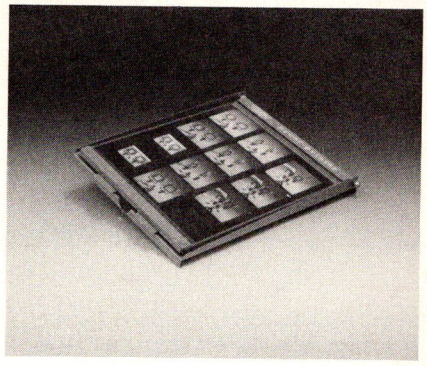


Premier Professional Print Frames

Solid wood construction with spring steel clamps. Assures perfect contact. Pressure back is felt lined. Frame glass is included.

8 x 10
PM6500 ..... **$27.95**

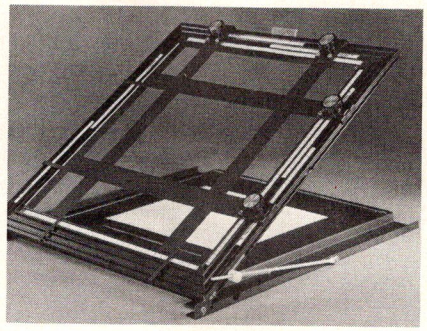
11 x 14
PM6520 ..... **$32.95**



Technal Proof Printer

Features both a practical negative hold-down system, which will accommodate all film formats up to 8 x 10, and a printing paper locking guide. Hinged "book" design allows for quick and easy contact printing.

BG6750 ..... **$28.95**



Kostiner Component Masking System

This easel lets you set margins and image size, instantly and accurately, regardless of paper size or position on the baseboard. Optional Pen-Line-Liner allows fully adjustable outlines, hairlines, bold lines or adjustable black borders anywhere and in any width.

The easel is made in a square format for continuous loading paper, either vertically or horizontally, from the front position. The blades are instantly removable and are available in a variety of widths and shapes.

Kostiner Masking Easels

EA-16-16" x 16" Masker with four 1¼" masking blades
KS6000 ..... **$139.50**

EA-21-21" x 21" Masker with four 1¼" masking blades
KS6020 ..... **$225.00**

Accessories for Masking Easels

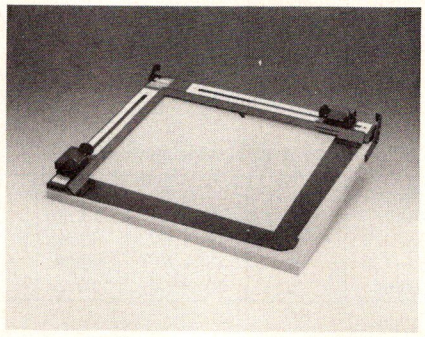
3" Masking Blade (each) for EA-16
KS6003 ..... **$19.95**

3" Masking Blade (each) for EA-21
KS6023 ..... **$29.50**

Pen-Line-Liner

KS6006 ..... **$49.95**

PL-21 Penliner for EA-21
KS6026 ..... **$59.95**



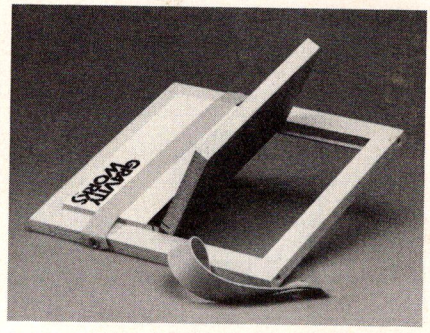
Economy 2-Blade Adjustable Easels by Bogen

All metal, precision 2-blade enlarging easels with automatic paper grippers. Heavily braced for rigidity and perfect flatness.

8" x 10"
BG6120 ..... **$24.95**

11" x 14"
BG6130 ..... **$31.95**

16" x 20"
BG6140 ..... **$62.95**



Gravity Works Contact Printer

This high quality print frame features a unique pressure back which can accommodate various thicknesses of printing materials up to ⅜". Ideal for platinum, glass plate or other non-silver processes. The sturdy frame is hand-made of ¾", 13-ply baltic-birch laminate with a hinged back lined with a non-absorbant black foam which resists chemical contamination. The back lays flat to provide precision placement of negatives and sensitized materials. A UTV acrylic transparent surface transmits ultra-violet rays and reduces printing time by 1-2 stops with non-silver processes. All printers are individually tested and feature a one-year warranty against manufacturer's defects.

Gravity Works 8" x 10" Print Frame
GW1900 ..... **$35.00**

Gravity Works 11" x 14" Print Frame
GW2000 ..... **$45.00**

Gravity Works 16" x 20" Print Frame
GW2100 ..... **$59.00**

Kostiner Vacuum Easels

Ideal for making copies, color separations borderless and/or bordered prints without valves or taping.

Kostiner Vacuum Easel VA-SCR

20" x 20" easel with fine steel mesh top surface and 20" paper cleat at top. Includes four removable and two magnetic blades. Designed for Kostiner Vacuum Pump.
KS6030 ..... **$450.00**

Kostiner Vacuum Easel VA-BC

16" x 20" easel is PVC surfaced and holds 8 x 10, 11 x 14 and 16 x 20 paper or film. Includes four removable spring steel masking blades and two horizontal paper cleats. Designed for Kostiner Vacuum Pump.
KS6045 ..... **$319.95**

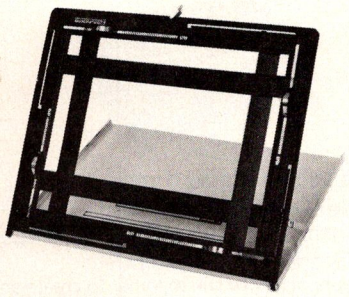
Kostiner Vacuum Pump

Quiet and efficient pump which comes complete with air-hose assembly.
KS6050 ..... **$299.95**

Kostiner Vacuum Boards

Steel mesh top with PVC air chamber design which does not require special valving or air section blocking. Two magnetic positioning blades and adjustable leveling feet provided. *(Requires vacuum pump KS6050)*

16" x 20" Vacuum Board **KS6060** **$375.00**
20" x 24" Vacuum Board **KS6065** **$450.00**
24" x 32" Vacuum Board **KS6070** **$650.00**

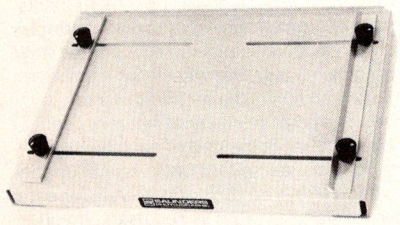


Saunders 14″ x 17″ Adjustable Universal Easel

Easel centers under enlarger lens, picture is made in the middle of the easel. No jiggling on and off baseboard to make smaller size prints. Blades hold paper extremely flat and when set to size, cannot be accidentally displaced.

Automatic click stop holds easel open, lock-tite paper slots register paper precisely. Accurate calibrations on each blade allow individual border control on all four sides of the paper. Borders are individually adjustable on paper sizes up to 11″ x 14″; the masking assembly snaps out to give fixed 3/16″ borders on 14″ x 17″. All-metal, rust-proof, and finished in focal yellow and black. Oversized non-skid base pads.

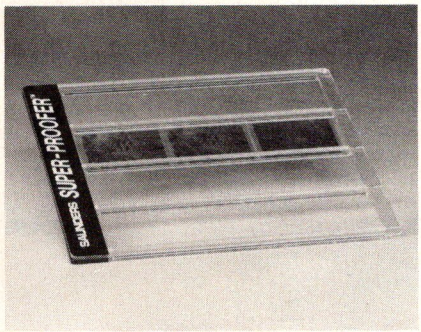
SO6210 ..... **$104.95**



Saunders Deluxe Borderless Easels

1″ autofocus base, focal yellow finish. All-steel construction, except 20″ x 24″ which is laminated high-density particle board.

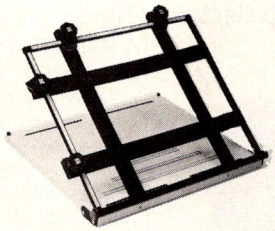
8″ x 10″ **SO6120** **$28.95**
11″ x 14″ **SO6125** **$39.95**
16″ x 20″ **SO6130** **$84.95**
20″ x 24″ **SO6135** **$189.95**



Super Proofers

35mm Super Proofer – seven film slots for 5 exposure strips **SO6500** **$15.95**

120mm Super Proofer – four film slots for 3 exposure strips **SO6510** **$17.95**

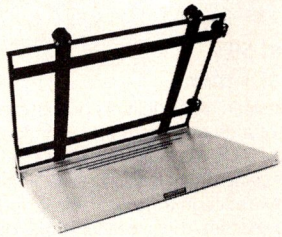


Saunders 11″ x 14″ Master Easel

The Saunders Master Easel employs a new concept by utilizing a system approach. Modular in design, it features a removable, four-bladed precision masking frame, and allows for the installation of either borderless paper holders or a contact proofer. This design is so unique in its flexibility that patents are pending.

The base is made from 0.060 stretcher-levelled steel which ensures absolute flatness of the paper plane. Base height is 1″ making it compatible with all enlargers, including autofocus models.

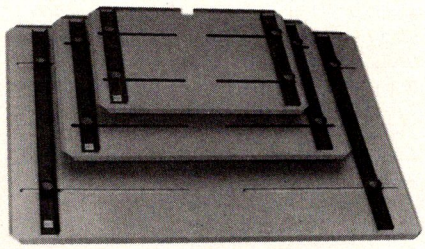
SO6310 ..... **$149.95**



Saunders Heavy Duty Professional Easels

These easels all feature a rigid, calibrated masking frame and a precise blade adjustment system driven by large control knobs. Stretcher-levelled steel construction, focal yellow and black finish, 1″ high autofocus base, fully adjustable for prints down to passport size.

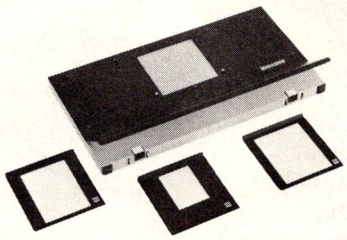
16″ x 20″ Easel **SO6250** **$324.95**
20″ x 24″ Easel **SO6255** **$449.95**



Saunders Series 18 Borderless Easels

Series 18 easels, named for their photo gray finish, are economy borderless easels. Fast-working design with double retaining bars and a finger notch for easy paper removal. Strong, all-metal construction, with non-skid base pads. Choose from 3 sizes.

8″ x 10″ **SO6010** **$17.95**
11″ x 14″ **SO6012** **$31.95**
16″ x 20″ **SO6014** **$41.95**



Saunders/Michrist Borderless Multi-Print Easel

This new easel system from Saunders offers fast, positive positioning of paper for making multiple images on a single piece of enlarging paper. Easel comes complete with borderless masks for 4″ x 5″, 3½″ x 5″ and wallet size prints. Bordered masks for a variety of formats are also available. This easel is excellent for making ring-around exposure series with the Besler 45A color head.

SO6800 ..... **$179.95**

Special Effect Kit

Includes a Universal Mask Carrier and seven interchangeable masks, consisting of the oval, heart, cross, keyhole, brandy snifter and two button formats. Each mask will make four prints on an 8 x 10, except small button mask, which will make 12.

SO6802 ..... **$19.95**

Business Card Mask

Will yield eight 2″ x 3½″ business card images on one 8 x 10. Does not require universal mask. **SO6808** **$16.95**

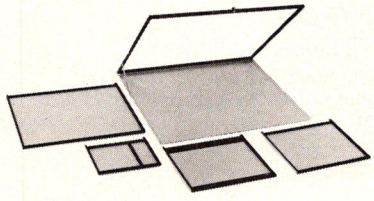
Saunders/Michrist 4 4″ x 5″ Speed Printer

Single size multiple print easel which makes 4-4″ x 5″ borderless prints on a single sheet of 8″ x 10″ paper. All metal construction.

SO6801 ..... **$34.95**

PR810 8″ x 10″ Print and Repeat Easel

SO6410 ..... **$289.95**



Saunders Single Size Easels

All-metal, with machined steel hold-down frame and heavy, non-skid base which permits rapid loading/unloading without movement. 16″ x 20″ size has Stay-Open Hinge and front catch.

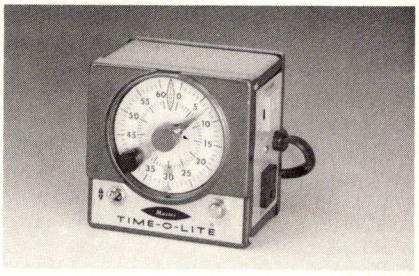
8″ x 10″ Single Size **SO6050** **$31.95**
11″ x 14″ Single Size **SO6055** **$31.95**
16″ x 20″ Single Size **SO6060** **$74.95**
35mm Full Frame: 8″ x 10″
SO6062 ..... **$36.95**
Square Format on 8″ x 10″
SO6064 ..... **$36.95**
2-Up 5″ x 7″ on 8″ x 10″
SO6066 ..... **$36.95**



Beseler Audible Repeating Timer

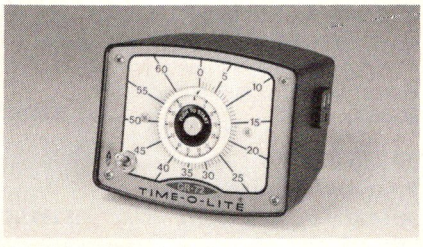
Electronic timer with .1 to 110 second range and audible tone. Luminous dials and large "print" button, switch for silent or audible operation. Two grounded outlets, one for the enlarger and one for a safelight, each can handle up to 500 watts. Timer can produce a beep every second for dodging and burning operations. **BS4500** **$79.95**

Footswitch for Beseler Audible Repeating Timer. **BS3133** **$25.95**



Time-O-Lite M-72 Master Timer

With pushbutton start, auto reset and interval and remaining time indicators. Heavy-duty motor with 750W load capacity. UL Listed.
TL6720 ..... **$69.95**



Time-O-Lite GR-72 Enlarging Timer

With pushbutton start, auto reset and luminous dial. 750W load capacity. UL Listed.
TL6730 ..... **$45.95**

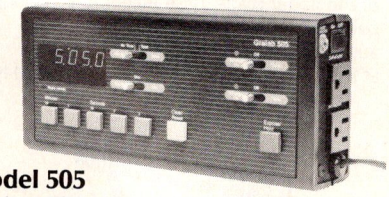
to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

Gra Lab Electronic Timers



Model 450

Features LED digital display which counts down electronically from two time ranges – seconds (from 99 sec.) and tenths (from 9.9 sec.). Display can be run at two brightness levels or switched off completely. Three audio signal choices include continuous, metronome beeps every second, or no audio at all. Timer resets itself automatically. Power rating of AC outlet – 600w. Will accept Gra Lab 560 accessory footswitch. Measures 3½" x 4" x 8".
GL7010 ..... **$79.95**



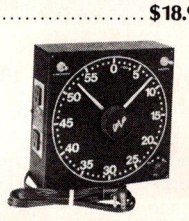
Model 505 Digital Timer

This versatile timer delivers pushbutton time in tenths of a second up to and including 59 minutes, 59.9 seconds. The 505's digital timing circuits cycle off of a quartz crystal time base with low reaction to power line interference, and no reaction to frequency variations for greater accuracy and repeatability.

Automatic reset saves time and assures consistent exposures for multiple prints. The 505's memory locks in desired time until a new time is entered or unit is shut off. Time settings are displayed in red, half-inch high numerals for minutes, seconds and one-tenth of a second. The display can be set at full intensity, dimmed or shut off entirely.

The 505 offers a choice of metronome beep each second, a one second long end-of-cycle tone, a tenth of a second beep each half minute with metronome for the last 10 seconds and a tone at the end-of-cycle, or no audio at all. Other features include two 600 watt outlets with independent controls, footswitch option, grounded cord and receptacles and accuracy better than .015% @ 10 seconds. The 505 is a compact 2¼" x 4½" x 9¾".
GL6750 ..... **$109.95**

Footswitch for Gra Lab Electronic Timers
#505, #450, #451, and #900.
GL6031 ..... **$18.95**



Model 300 Timer

Sixty minute time range sets in minutes and seconds. Luminous dial, two outlet receptacles with combination time/focus switch. Buzzer alarm. UL Listed.
GL6710 ..... **$59.95**



Gra Lab Enlarging Timer Model 900 Programmable Timer

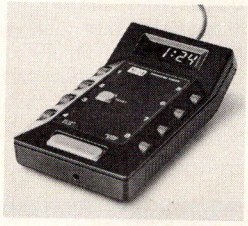
The 100% solid state Model 900 timer has nine memory locations which operate independently or link together to create an interacting system. And each memory location allows time entry from 0.1 second to 60 hours – with four programming options.

These options allow forward or backward sequencing, automatic clear and reset, programmed outlet switching, a variety of audio signals and elapsed time count.

There are also two AC outlets, manual and automatic outlet controls, recall capability, display brightness controls, and both input and output receptacles for easy linkage with other equipment. Dust and moisture resistant cover.
GL6900 ..... **$199.95**

Jobo Process Timer 4

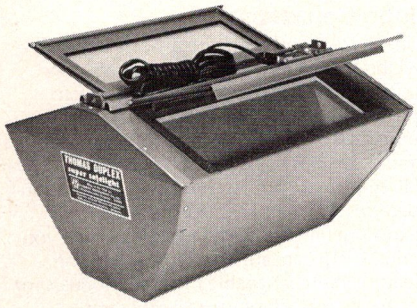
Monitor your color process times with this electronic timer. The Process Timer 4 has four memories which can each be programmed for times ranging from 5 seconds to 11 minutes, 55 seconds. When you call up a memory, its number automatically lights up on the display panel. You always know which process stage is running. Two thumb wheels for each memory allow you to set minutes and seconds, and provide visual reference for selected time. At the end of each timing period, a buzzer sounds until you call up the next time. Or, you can conveniently repeat a process stage as often as necessary. If you have several identical times, you can monitor more than four process steps.
JB6010 ..... **$134.95**



Jobo Process Timer 8

This digital timer features eight independent memories, each programmable with its own thumb wheel control. Process times can be entered from 10 seconds to 10 minutes, and are counted down so you always know how much time remains per step. A buzzer warns you 10 seconds before timing period ends.
JB6020 ..... **$224.95**

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.



Thomas Duplex Super Safelight

Lights the room almost as brightly as natural daylight. Features sodium vapor light source. Two adjustable flaps act as filters to control the intensity of the light and can be interchanged with others to allow use with X-rays and color printing papers.

DUB Safelight for all black & white printing.
T17500 ..... **$189.95**

DUC Safelight for color printing materials.
T17550 ..... **$189.95**

LDS Sodium Vapor Tube (replacement).
T17600 ..... **$69.95**

FCD Color Filters.
T17650 ..... **$24.95**



Jobo Minilux Color Safelight

Portable darkroom lamp for local illumination in the color and B&W darkroom. You can pin it, hang it, or clip it wherever you need light. The Minilux automatically switches itself off in bright light. Uses two-AA batteries *(not included)*. 1½" diameter light.
JB0100 ..... **$17.95**



Jobo Maxilux Color Safelight

This AC powered color darkroom lamp can be bench or wall mounted and features a tilting, spherical lamphead to point in any direction. Uses LEDs concentrated in a small space for high output over a large area.
JB0110 ..... **$59.95**



48" Fluorescent "OC" Safelight Sleeve

Fits on any 40w fluorescent tube and yield enough light to read a newspaper by. Fluorescent tubes are far more economically efficient than incandescent lamps and last up to 20 times longer.
AK0605 ..... **$29.95**

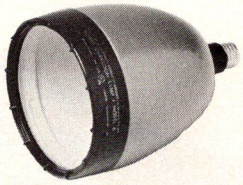


Adjustable 5½" Circular Safelight

Features all metal construction with bracket for mounting to wall, table or ceiling. Includes OC filter.
BR9000 ..... **$39.95**

Kodak Adjustable 5½" Circular Safelight

Filter and lamp not included.
KK9488 ..... **$67.95**



Kodak 5½" Circular Safelight

For use in wall socket or from a drop socket. Filter and lamp not included.
KK9485 ..... **$26.95**

Kodak 5½" Safelight Filters

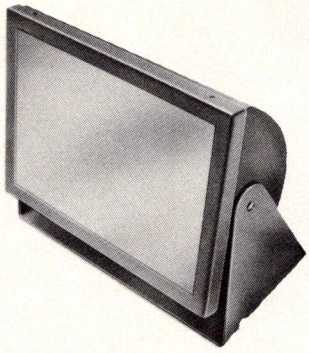
OC (Light Amber)
KK9502 ..... **$19.95**

1A (Light Red)
KK9504 ..... **$19.95**

13 (Amber)
KK9508 ..... **$19.95**

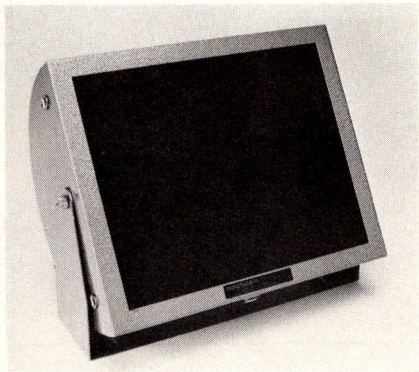
Duka 50 Universal Safelight

This sodium spectral safelight with built-in brightness control can be used with all color and black and white papers. A double protection filter provides safe working conditions at above average brightness levels. Lamphouse can be tilted for either direct or indirect illumination. Its dimensions are 9¾" x 5½" x 7¾".
OS1050 ..... **$199.95**



5" x 7" Multi-Purpose Safelight

All metal with base bracket for table or wall mounting. Easy change of 5 x 7 filters. 6' line cord with on/off switch. Includes 15-watt bulb and amber filter.
CT2000 ..... **$19.95**



Premier 10" x 12" Multi-Purpose Safelight

- Base bracket for table or wall mounting
- Includes amber filter for general purpose B&W printing
- 25 w bulb included
- 6' line cord with on/off switch
- Easy change of 10" x 12" filters

PM6820 ..... **$61.95**

Kodak 10" x 12" Utility Safelight

Suspends from ceiling for direct or indirect illumination. Provided with support chain and 6' line cord without switch. Filter and bulb not included.
KK9490 ..... **$79.95**

Kodak wall mount bracket for 10" x 12" Utility Safelight.
KK9491 ..... **$18.95**

Kodak 10" x 12" Safelight Filters

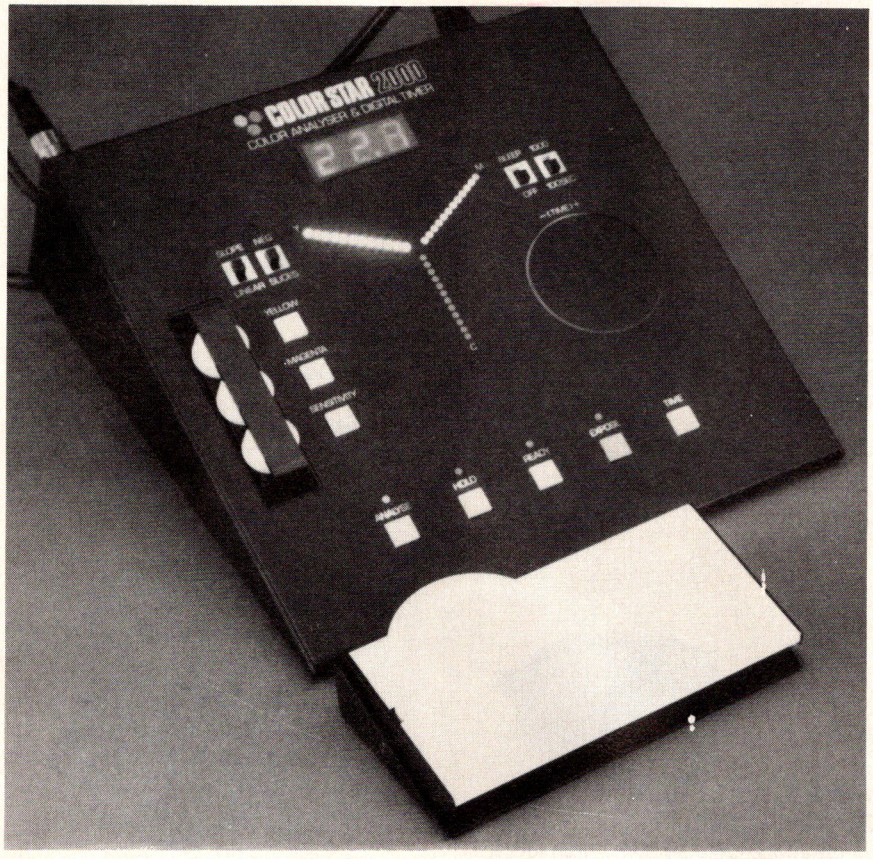
OC (Light Amber)
KK9522 ..... **$53.95**

1A (Light Red)
KK9524 ..... **$53.95**

13 (Amber)
KK9528 ..... **$53.95**

need it
YESTERDAY?
Special 24-hour delivery available. Call for details.

in stock
AVAILABILITY



Jobo Colorstars

These color and exposure analyzers measure all three color channels simultaneously and analyze for proper print density. You can properly balance color quickly just by extinguishing the Colorstar's yellow, magenta and cyan LEDs. When the LEDs are out, filtration is correct. At the same time you can determine, set and control the proper exposure time for each negative or slide you print. Colorstars are easy to program and feature interchangeable memory modules for easy safe storage of various programs. Different programs are only required for different paper emulsion batches with the Colorstar. A newly designed probe enables you to take partial or fully integrated readings and 4mm or 8mm spot readings, which can correct for cosine error.

Jobo Colorstar 1000
JB6000 ..... **$599.95**

Jobo Colorstar 2000

Features a built-in audible countdown timer, increased accuracy, digital readout, automatic calculation and setting of exposure time, and greater exposure range (from .1 to 999.99 seconds).

JB6005 ..... **$799.95**

Colorstar Memory Module

Interchangeable memory modules make it easy to store programs for the paper emulsions you use.

JB6006 ..... **$42.95**

X-Rite 810 Transmission/Reflection Densitometer

Designed specifically for mini-lab applications, this compact densitometer measures transmission and reflection readings through a single measuring head. Alternate between these readings at the touch of a button. Features Electronic Filter Selection (EFS) to switch from one color channel to another, electronically. EFS enables the 810 to simultaneously read and display the numbers for all colors . . . visual, red, green and blue. It also features Auto Color Selection, which delivers the unparalleled performance standards you need to rapidly plot the numbers used for monitoring your color print processor control strips. As a standard feature, the instrument's RS-232 computer interface capability provides maximum operational flexibility. This easy to operate densitometer is programmed with "Help Messages" and "Error Messages" to save valuable time while working.

X-Rite 810 Reflection Specifications

Response: Status A
Measuring Range: 0 - 2.5D
Accuracy: ±.02D
Repeatability: ±.01D
Zero Stability Per 8 Hours: ±.02D
Scale Factor Stability: ±1% per year
Warm-Up Time: 2 minutes
Measuring Area: 4mm

X-Rite 810 Transmission Specifications

Response: Status M (Status A optional)
Measuring Range: 0 - 4.0D
Accuracy: ±.02D (0 - 3.0D)
±1% (3.1D - 3.5D)
±3% (3.6D - 4.0D)
Repeatability: ±.01D
Zero Stability Per 8 Hours: ±.02D
Scale Factor Stability: ±1% per year
Warm-Up Time: 2 minutes
Measuring Area: 4mm

X-Rite 810 Operating Specifications

Line Voltage: 90 - 130V AC
180 - 260V AC
Power Requirement: 50 VA Max.
Line Frequency: 50 - 60Hz
Operating Temperature Range: 10 - 30° C
50 - 86° F
Relative Humidity: ≤76%
Dimensions: Height: 5.88"
Width: 8.63"
Length: 11.13"
Weight: 11.00 lbs.
XR3810 ..... **$2395.00**

toll free
TECHNICAL ASSISTANCE
Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

need it
YESTERDAY?
Special 24-hour delivery available. Call for details.

Besler PM2A Color Analyzer



Beseler's newest color analyzer combines several advanced features to increase the speed and accuracy with which you can turn out superb prints. Yet the price is surprisingly moderate. The PM2A provides direct readout of filtration and exposure on a large 4⅛" meter. This fully illuminated meter features a luminous Day-Glo® needle for greater legibility, and a narrow Mirror Band which reminds you to take your sightings from directly in front of the meter to avoid eye parallax error.

The PM2A also provides fully linear response, which means the meter needle responds proportionally to the amount of light and color the Photo Multiplier is reading. You can read the exact filtration and exposure necessary to add or subtract from your print directly from those scales.

The meter shows a full filtration range of 200 units (+100cc to −100cc) and printing times from 1 to 100 seconds. The PM2A gives you the flexibility to vary either the f/stop or the printing time, whichever suits your needs.

An ultra-sensitive photo multiplier probe assures you accurate readings in the lowest light situations yet can't be damaged by white (room) light due to an automatic safety overload circuit. Coarse and fine adjustment knobs allow highly accurate panel programming while an infinite number of programs can be stored via accessory "plug-in" program modules. Completely solid state with internal voltage stabilization. 12 month warranty. Includes dust cover and integrator.

BS5030 ..... **$349.95**

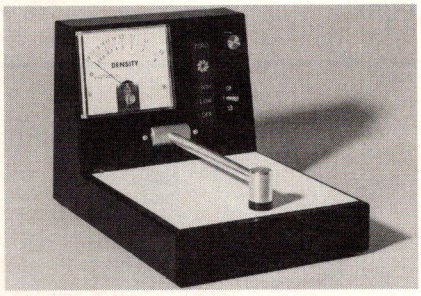


Speedmaster SM400 Color Analyzer

The SM400 makes available the benefits of Speedmaster color analyzing at an affordable price. Features include: solid state circuitry, fiber cosine corrected optic probe and large 4" illuminated meter. Program read feature assures accurate monitoring and readout.

- Programming range: 12 f/stops in each sensitivity position
- Probe: 3mm aperture
- Readout system: Illuminated 4" taut band meter
- Functions: +30cc to −60cc null density 4 seconds to 64 seconds time
- Accuracy: Density ±1.5cc, Time ±2%

SP1090 ..... **$625.00**



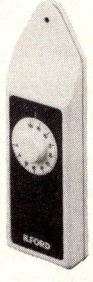
Photronix Delta III Densitometer

This professional quality black and white, transmission densitometer is suitable for a beginner to the Zone System, yet accurate and reliable enough for the most demanding user. The Delta III represents the best value that we have seen for the photographer whose work requires a densitometer.

The Delta III has been restyled and redesigned to offer more versatility and ease of operation than its successful predecessor. New features include a sloped meter panel for effortless readings, a plug-in power transformer, and the ability to accommodate negatives up to 11" in width.

- A large, easy to read meter with two density ranges: 0-1.0 and 1.0-3.0
- A 2mm spot light source
- CDS Light Cell
- Solid state amplifier
- Built-in line voltage regulation
- Accuracy ± .05 density unit

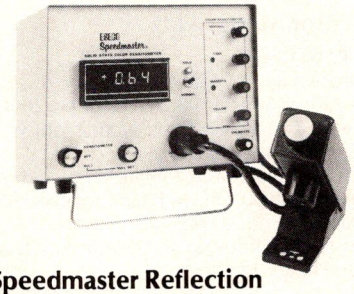
AA1303 ..... **$329.95**



Ilford EM10 Exposure Monitor

This extremely compact unit makes it possible to determine the exposure required for black and white and color print making. The EM10's thin probe positions the reading cell close to the baseboard for greater accuracy, and automatically compensates for changes in exposure from one slide or negative to another. The EM10 is powered by a standard 9 volt transistor battery and measures approximately 2" x 6"

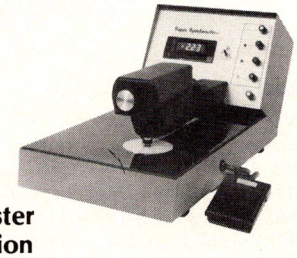
IK0240 ..... **$24.95**



Speedmaster Reflection Densitometer R-75PD

This economical reflection densitometer features easy-to-read digital meter for unmistakably accurate readings from 0.00 to 2.50, electronic zeroing for all filter positions and easily operated hinged reading probe and flexible cable. Furnished with a standard 3/16" (476mm) reading aperture. Solid state circuitry and built-in voltage provide rapid warm-up and assure repeatability and reliability.

SP1004 ..... **$1250.00**



Speedmaster Transmission Densitometer T-85CD

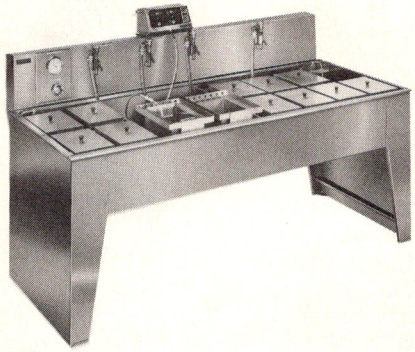
Features digital meter, convenient location of probe for clear view of reading information at all times, 11" film platform throat for center reading from up to 20"x24" negatives and programmable NULL mode which allows the operator to set-up or "program" a standard and then take readings + the programmed standard. Density range: 0.00 to 4.00, Aperture size: 2mm standard. Includes wratten 106 visual, #92 red, #93 green, #94 blue, corning #9780 and 720mm dicroic infrared filters. Footswitch included.

SP1002 ..... **$1350.00**

Prices are subject to change without notice.

DARKROOM
Calumet Processors
Richcolor Processors

Dip and Dunk Processors for the Ultimate in Consistent, Safe and High-Quality Results!



Calumet 8 x 10 Color Film Processor

This E-6, nitrogen burst film processor features seven 3½ gal. tanks and covers, two quick-dump wash tanks, a "traveling" plenum burst system, nitrogen/air burst agitation timer, built-in temperature control valve with factory installed recirculation fittings and stainless outlet valve for cleaning water jacket and tanks. Fully insulated type-316 stainless steel construction is durable, easy to maintain and chemical resistant. Its dimensions are 25" (W) x 99" (L), it weights 475 lbs. and uses 115 V.A.C. 60 Hz. 0.5 amp power. *(Requires film rack w/plenum, hangers and reels.)*

AY5066 ..... **$4395.00**

Calumet 2-in-1 Film Processor

Process E-6 and C-41 film in the same processor. It features a four-step, C-41 side with four 3½ gal. film tanks, covers and a quick-dump wash tank, AND a seven-step E-6 side with seven 3½ gal. chemical tanks, covers and a quick-dump wash tank. Other features are the same as Calumet 8 x 10 Color Film Processor. Its dimensions are 35" (W) x 87" (L) and weighs 500 lbs. *(Requires film rack w/plenum, hangers and reels).*

AY5006 ..... **$5350.00**

(2 gallon model available upon request.)

Calumet Multi-Use Processor

This four-step, 3½ gal. processor can be used for C-41, black and white or any other 4-step process with roll film or sheet film up to 8 x 10. It features the same construction and tempered plumbing as the other Calumet film processors (does not include timer), and includes four 8 x 10 chemical tanks, covers and one quick-dump wash. Its dimensions are 25" (W) x 51" (L) and weighs 325 lbs. *(Requires film racks, hangers and reels).*

AY5046 ..... **$2995.00**

(2 gallon model available upon request.)

Multi-Use Processor w/Air Adaption

AY5026 ..... **$3295.00**

Processor Accessories

Hanger Racks

All Calumet film racks are built with type 316 stainless steel with PVC gas plenums and 6 ft. of vinyl hose with quick connect fitting to gas timer.

Hanger Racks with Plenums

2 gal. 8 x 10 (7 slots)
AY5525 ..... **$109.95**

3½ gal. 13 slots 8 x 10 – 19 slots 4 x 5
AY5515 ..... **$124.95**

Reel Racks with Plenums

2 gal. 8 x 10 (15-35mm)
AY5555 ..... **$200.00**

3½ gal. 8 x 10 (30-35mm or 18-120mm)
AY5545 ..... **$200.00**

3½ gal. 8 x 10 (9-220mm)
AY5565 ..... **$225.00**

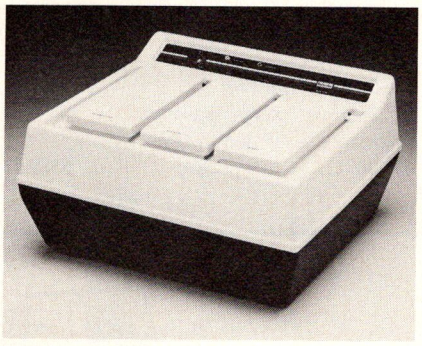
See pages 144 and 145 for hangers and reels.

Floating Lids

Especially recommended for developer tanks to slow down oxidation.

Floating Lid/2 gal. tanks
CP0366 ..... **$29.95**

Floating Lid/3½ gal. tanks
CP0353 ..... **$29.95**



Richcolor Model 2/30 Color Print Processor

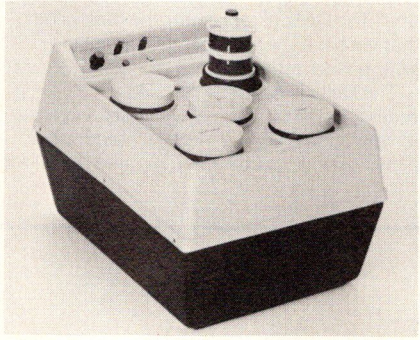
The primary "workhorse" of the Micro/Pro lab, the Model 2/30 includes two temperature-controlled chemical tanks and one wash tank each with 1.6 gallon capacity. It features continuous automatic temperature control and processes from one to thirty 8 x 10 color prints per run, allowing several hundred prints to be processed in a day. Complete with two processing baskets, tank lids, floating cover, hook-up and drain hoses.

RL1000 ..... **$795.00**

Baskets for Model 2/30

Two processing baskets come with the Model 2/30 processor to allow processing 30 prints in one run. Additional baskets are recommended for volume production since they must be dry before use.

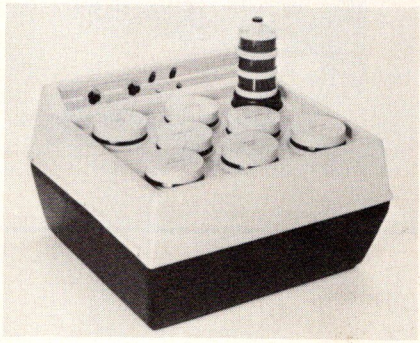
RL1100 ..... **$149.50**



Richcolor Model 41/5 Film Processor

Will process up to 5 rolls of 35mm, 6 rolls 120, 3 rolls 220, or 6 sheets 4 x 5 of color negative film (using accessory holders & burst rod) in one run. It features four two-liter chemical tanks with continuous automatic temperature control, a push button wash tank and bleach aeration, and comes complete with processing rod, hook up and drain hoses, tank caps and floating cover.

RL1030 ..... **$695.00**



Richcolor Model 60/5 Film Processor for E-6

Model 60/5 has the same capacity for transparencies as the Model 41/5 does for negatives. It uses the same reels and holders, and features continuous automatic temperature control, color developer temperature offset, pushbutton wash and bleach aeration. Complete with processing rod, hook up and drain hoses, tank caps, and two floating covers.

RL1020 ..... **$895.00**

Accessories for the Model 41/5 and 60/5 Film Processors

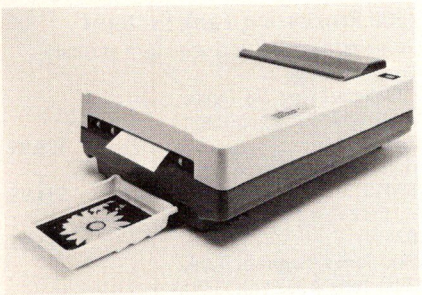
Adjustable reels for 35mm, 120, 220 sizes
PA1020 ..... **$5.95**

Sheet film holders for four sheets of 4 x 5 film
RL1140 ..... **$49.50**

Nitrogen burst processing rod (required for processing sheet film)
RL1145 ..... **$35.00**

For more information on Richcolor processing equipment, call or write Calumet.

Prices are subject to change without notice.



Ilford CIBACHROME CAP-40 Processor

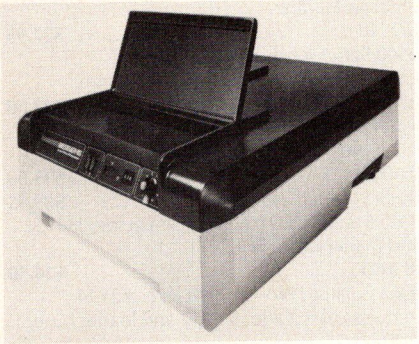
This table-top, three bath processor offers a fast, easy and convenient method of processing CIBACHROME-A prints up to 16" x 20". Prints are automatically developed, bleached and fixed in 6 minutes. This economical processor only takes ½ gallon of each solution to fill the tanks, which will process approximately 30 - 8" x 10" prints. The solutions can also be kept in the processor for up to five days with no deterioration. The CAP-40 is easy to fill and empty and features three thermostatically controlled baths. Each bath has its own circulation pump, ensuring uniform results. The CAP-40 is ideal for small, in-house photographic departments and individual use.

CAP-40 Specifications
- Print Capacity: 25-8" x 10" prints per hour
- Maximum Print Size: 16" x 20"
- Minimum Print Size: 5" x 7"
- Recirculation System: built into each bath
- Chemistry: uses Process P-30, plus DEZ-30 developer additive to prevent gumming of rollers
- Chemical Requirements: ½ gallon each of developer, bleach and fixer
- Dimensions: 33½" (l) x 23⅝" (w) x 11⅞" (h)

The CAP-40 is a CIBACHROME processor only and requires a separate dryer and wash system. Because of the delicate emulsion of wet ciba prints, we would recommend an archival type print washer which separates each sheet print during the wash process (see page 147). For the highest surface gloss, we recommend the Ilford 1050 Dryer.

IK0220 ..... **CALL**

CIBACHROME paper and chemistry available. See page 169.



Beseler Auto 16 Processor

Beseler's 16 Auto four bath processor can produce up to 74-8x10, or 18-16x20 color prints per hour. 222-8x10 or 54-16x20 black and white prints can be produced in one hour. Continuous adjustment of the transport speed from 2" to 22" per minute yields an effective developing time from 25 to 300 seconds.

BS8100 ..... **CALL**

Beseler Cibachrome Auto-16 CP Processor
Same capabilities as the standard 16, but because of its special stainless steel and titanium parts, and recirculation pump, it can handle the Cibachrome P-30 and P-22 chemicals. Will process up to 50-8x10 or 11-16x20 prints per hour.

BS8102 ..... **CALL**

Washerless Color Print Processing

The Auto-16 CP processor will accept the new "Super" stabilizer from Kodak – which means that you can now process color prints with ***no*** *water hook-ups or drain connections. This exclusive Beseler feature lets you set up your processor anywhere in your darkroom or just plain ANYWHERE.*

Beseler Semi Auto Replenisher
The Beseler Semi Automatic Replenisher works with all current and previous models of the Beseler Auto 16 and CP 16 processors. Replenishment rates can be varied to accommodate a wide variety of processes including 2 or 3 step color processes, Cibachrome, Duratrans, Kodalith, and Black and White.

BS8115 ..... **CALL**

Beseler Auto 16/16 CP Dryer

Designed exclusively to accept prints directly from the Auto 16 Processor for "dry to dry" print processing. **BS8107** ..... **CALL**



Durst RCP 50 Processor

The Durst RCP 50 tabletop processor and its companion washer/dryer offers dry to dry convenience for a variety of color or B&W papers and materials. Digital readouts display the operating temperature, running speed, paper width, and signal next print availability. Three factory set running speed programs can be called up at the push of a button while a fourth is user activated controlling the temperature and speed from 2" to 26.5" per minute. A microprocessor monitoring the RCP 50 assures accurate transport speed and independent variable temperature control for the developing and fixing baths.

Technical data

Length x width x height	91 x 81 x 35 cm (35.8 x 31.9 x 13.8 in.)
Supply voltage	110 volts, 60 Hz 220-240 volts, 50 Hz
Power consumption	Approx. 1300 watts
Print sizes	7 x 10 up to 50 x 70 cm (2¾ x 4 to 20 x 28 in.)
Roller feed width	52 cm (20.5 in.)
Solution capacities	
Developer	Approx. 11 liters
Stop bath	Approx. 2.2 liters
Bleach-fix bath	Approx. 7 liters
Replenishment	Automatic, w/infrared sensors and micrometer pump
Standard processes provided	
Program No. 1	EP 2 RT or EP 2 for negative-positive color papers
Program No. 2	EP 200 for high-speed color negative/positive processing
Program No. 3	EP 2 RT or EP 2 for processing Duratrans materials
Program No. 4	User variable

Replenishment is automatic via infra red censors monitoring paper usage activating a true micrometer replenishment pump. The automatic night-time idling feature prevents crystallization even when the RCP 50 is full. The RCP 50 can run EP-2, EP-2 RT, EP 200, and black and white processes. Cibachrome, however, can not be run. Will process up to 60-8x10 or 15-16x20 color prints per hour, and 300-8x10 or 75-16x20 black & white prints per hour.

RCP 50 only. **DR1000** ..... **CALL**

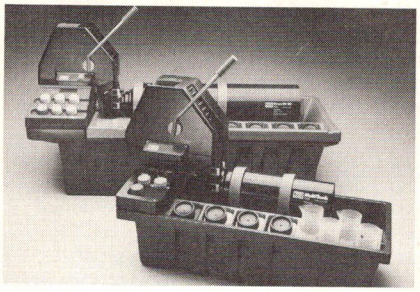
WDM 50 Washer/dryer
Companion to the RCP 50, the WDM 50 washer/dryer uses an electrically pulsed Infrared quartz tube that dries prints flatter and with a higher gloss. This quartz tube produces a better print without exhausting objectionable heat into a small darkroom. A special bypass allows test strips to be intercepted before passing into the washer/dryer.

WDM 50 Washer/Dryer only

DR1050 ..... **CALL**

Items too large for UPS Surface delivery are marked with a symbol next to the catalog number. Items with this symbol are shipped by truck, Freight Collect.

New, 4-minute Allied Chemistry is now available from Calumet. See page 165.



Jobo Processors

Jobo darkroom systems can handle virtually every film and print process available today, including E-6, C-41, Cibachrome, EP-2 and black and white film and print processing. Film sizes include 16mm, 35mm, 120mm, 220mm, 70mm, and sheet film up to 16 x 20 and print sizes up to 20 x 24. Processors are available to fit the needs and demands of commercial and industrial photographers as well as advanced amateur photographers. Precise control of temperature, via a thermostatically controlled water jacket, and agitation assure repeatable quality professional results.

Jobo CPE-2 Processor

The CPE-2 is the perfect processor for the darkroom hobbyist. CPE-2 outfit includes processor, four 260ml graduates, three 600ml bottles (white) and one 600ml bottle (black). Processor uses Jobo 2500, 1500, 2800, and 3000 System tanks (not included). Magnetic Lids are required.

JB2000 ..... **$309.95**

Jobo-Lift for CPE-2 - A quick, neat and efficient mechanical filling and emptying system. Requires Cog Lid for tanks and drums.

JB2050 ..... **$139.95**

CPE-2 E-6 Kit-Includes two 600 ml bottles and 6-position insert.

JB2007 ..... **$23.95**

Jobo CPE-2 Starter Kit

Kit includes CPE-2 processor, #2840 drum (for prints up to 11 x 14), #1520 tank (for two 35mm reels), two 1504 magnets, film wiper, film clips, print wiper, and thermometer. (#1501 reels not included).

JB2005 ..... **$369.95**

Jobo CPA-2 Processor

Jobo's low cost, large capacity, film and print processor. CPA-2 outfit includes processor, one suction pump, four 260ml graduates, six 1000ml bottles (4 white, 2 black), set of step wedges, and a color thermometer. (Drums and tanks not included). Magnetic Lids are required.

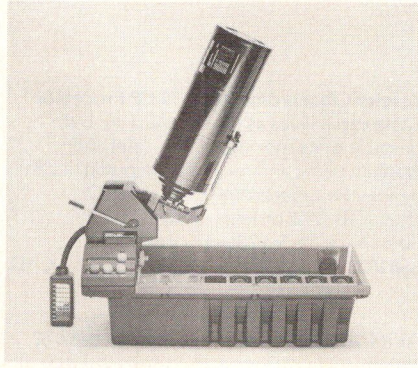
JB2010 ..... **$729.95**

Jobo CPP-2 Processor

The CPP-2 is Jobo's finest manual processor. Same features as CPA-2, but includes a built-in digital thermometer which constantly displays actual water bath temperature to be nearest 0.1°C. Includes same items as CPA-2, without color thermometer. (Drums and tanks not included). Magnetic Lids are required.

JB2020 ..... **$989.95**

Jobo Processor Comparison Chart	CPE-2	CPA-2	CPP-2	ATL-2
Bi-directional rotation	*	*	*	*
Variable Rotation speeds	2	*	*	*
Lateral agitation				*
4 x 600 ml stock solution	*			
6 x 1000 ml stock solution		*	*	*
Digital temp. readout				*
Temp. accuracy ±.2 C	*	*		
Temp. accuracy ±.1 C			*	*
Water jacket pump		*	*	*
Cold water solenoid				*
Compatible w/ 1500 Tanks	*	*	*	*
Compatible w/ 2500 Tanks	*	*	*	*
Compatible w/ 2800 Drums	*	*	*	*
Compatible w/ 3000 Tanks		*	*	*



Jobo-Lift for CPA-2/CPP-2 - Easily attaches to processors with two screws. Requires Cog Lids. **JB2051** **$129.95**

Jobo-Lift Accessory Kit for CPP/CPA Processors - Includes Jobo-Lift, #1520 tank (for two 35mm reels) w/cog lid, #2850 drum (for prints up to 16 x 20) w/cog lid, film wiper, one set of film clips, print wiper, film washer and one Photocolor II Kit (chemistry for film and prints). #1501 reels not included.

JB2052 ..... **$219.95**

Jobo ATL-2 Automatic Processor

The ATL-2 features a built-in microprocessor which stores up to 10 different program channels in its memory. Simply load the tank or drum, put it on the Autolab and the rest of the process is automatic, from the initial pre-heating to the final rinse. Digital readouts make it easy to monitor the step-by-step progress and process temperature.

The Autolab automatically calculates chemistry levels, drain times based on quantity of chemistry being used, rinse temperatures and refills. Times for each step are monitored to the second, while temperatures are maintained to within ±1/10°C. Chemistry amounts are set at the beginning of each process, and are moved via internally supplied air pressure from the tempered bottles into the drum while it rotates, which insures fast and even wetting of materials for streak-free processing.

JB2030 ..... **$4495.00**

2500 Processing Tank Systems

For small, medium, and large format rotary film processing.

2500 Series Cog-Lid Tanks

Multi-Tank #2523 (2-35mm)

JB2400 ..... **$29.95**

Multi-Tank #2553 (5-35mm)

JB2410 ..... **$34.95**

Multi-Tank #2563 (6-35mm)

JB2420 ..... **$35.95**

2500 Series Magnetic Tanks

Multi-Tank #2521 (2-35mm)

JB2101 ..... **$29.95**

Multi-Tank #2551 (5-35mm)

JB2102 ..... **$34.95**

Multi-Tank #2561 (6-35mm)

JB2430 ..... **$34.95**

Cog-Lid (converts magnetic tanks for use with Jobo-Lift) **JB2120** **$12.50**

Extension Module #2560 (6-35mm) requires 2500 Series tank

JB2110 ..... **$27.95**

2500 Series Reels and Accessories

Duoset Adjustable Reel #2502 (35mm, 120mm, 220mm) **JB1055** **$13.50**

Ro-Set Reel #2501 (holds 2-35mm, 2-120mm, 1-220mm, requires JB1065 loader)

JB1060 ..... **$13.50**

Ro-Set loader **JB1065** **$89.95**

4 x 5 Reel #2509 (requires film guide, JB1052 and loader base, JB1051)

JB1050 ..... **$14.50**

4 x 5 Polaroid Pro-Chrome Reel #2514 (requires film guide, JB1052 and loader base, JB1051)

JB1062 ..... **$15.95**

Film Guide #2512 **JB1052** **$14.25**

Sheet Film Loader Base #2508

JB1051 ..... **$34.95**

See Page 144 for more Jobo Sheet Film Kits.

Long Roll processing systems are available for most film formats, call for details.

Series 3000 Film Drums

Only to be used with the CPP-2, CPA-2 (with the Jobo-Lift), and ATL-2 Processors. Reels/loaders not required.

#3013 Sheet Film Drum (5 - 4 x 5)

JB1024 ..... **$109.95**

#3025 Sheet Film Drum (2 - 8 x 10)

JB1020 ..... **$109.95**

2800 Modular Drum Systems

2800 System drums can be used for table top print processing or, with an optional cog-lid or magnet, on any of the Jobo processors. Cog lids or magnets not included.

#2820 Test Drum (3½ x 5's)

JB2820 ..... **$22.95**

#2830 Drum (2-8 x 10's)

JB2201 ..... **$29.95**

#2840 Drum (1-11 x 14)

JB2202 ..... **$39.95**

#2850 Drum (1-16 x 20)

JB2203 ..... **$49.95**

#2870 Drum Module (2-8 x 10's) (Must be used with one of the above drums.)

JB2204 ..... **$24.95**

Cog Lid (for Jobo-Lift) #2503 for 2800 Drums **JB2120** **$12.50**

Magnet for 1500, 2500, or 2800 Series tanks or drums. (for Processors)

JB2205 ..... **$8.50**

Prices are subject to change without notice.

DARKROOM
Calumet Deluxe Stainless Steel Sinks

DELUXE SINKS					TRP SINKS		ACCESSORIES			
Sink Inside Dimensions	Sink Model No.	Sink Price	Backsplash Model No.	Backsplash Price	Sink Model No.	Sink Price	Shelf Model No.	Shelf Price	Sink Mat Model No.	Sink Mat Price
23½" x 48" x 4⅝"	AY0109	$ 925.00	AY0141	$160.00	AY0309	$1995.00	AY0209	$240.00	AY0243	$ 80.00
23½" x 60" x 4⅝"	AY0111	$ 950.00	AY0142	$170.00	AY0310	$2060.00	AY0211	$260.00	AY0244	$100.00
23½" x 72" x 4⅝"	AY0113	$ 995.00	AY0143	$175.00	AY0313	$2095.00	AY0213	$290.00	AY0245	$120.00
23½" x 84" x 4⅝"	AY0114	$1075.00	AY0144	$185.00	AY0311	$2225.00	AY0214	$300.00	AY0246	$140.00
23½" x 96" x 4⅝"	AY0115	$1175.00	AY0145	$200.00	AY0312	$2340.00	AY0215	$320.00	AY0247	$160.00
23½" x 108" x 4⅝"	AY0116	$1275.00	AY0146	$220.00	AY0316	$2425.00	AY0216	$350.00	AY0248	$180.00
23½" x 36" x 9¼"	AY0117	$ 950.00	AY0140	$150.00	AY0317	$2025.00	AY0208	$220.00	AY0242	$ 60.00
23½" x 48" x 9¼"	AY0118	$1025.00	AY0141	$160.00	AY0318	$2125.00	AY0209	$240.00	AY0243	$ 80.00
23½" x 60" x 9¼"	AY0119	$1095.00	AY0142	$170.00	AY0319	$2195.00	AY0211	$260.00	AY0244	$100.00
23½" x 72" x 9¼"	AY0120	$1150.00	AY0143	$175.00	AY0320	$2300.00	AY0213	$290.00	AY0245	$120.00
23½" x 84" x 9¼"	AY0121	$1250.00	AY0144	$185.00	AY0321	$2435.00	AY0214	$300.00	AY0246	$140.00
30" x 60" x 7"	AY0125	$1095.00	AY0142	$170.00	AY0322	$2230.00	AY0225	$290.00	AY0250	$130.00
30" x 72" x 7"	AY0126	$1195.00	AY0143	$175.00	AY0326	$2295.00	AY0226	$310.00	AY0251	$160.00
30" x 84" x 7"	AY0127	$1295.00	AY0144	$185.00	AY0327	$2450.00	AY0227	$350.00	AY0252	$180.00
30" x 96" x 7"	AY0128	$1425.00	AY0145	$200.00	AY0328	$2610.00	AY0228	$370.00	AY0253	$210.00
30" x 108" x 7"	AY0129	$1550.00	AY0146	$220.00	AY0329	$2735.00	AY0229	$405.00	AY0254	$240.00
30" x 118" x 7"	AY0130	$1625.00	AY0147	$240.00	AY0330	$2850.00	AY0230	$480.00	AY0255	$260.00
34" x 96" x 4⅝"	AY0133	$1595.00	AY0145	$200.00	AY0333	$2695.00	AY0233	$415.00	AY0258	$260.00
34" x 108" x 4⅝"	AY0134	$1695.00	AY0146	$220.00	AY0334	$2900.00	AY0234	$445.00	AY0259	$300.00
34" x 118" x 4⅝"	AY0135	$1825.00	AY0147	$240.00	AY0335	$2995.00	AY0235	$540.00	AY0260	$330.00

Sinks, shelves and backsplashes are shipped via motor freight collect.

Leg levelers included with sinks

Calumet Deluxe Line Sinks

Corrosion-resistant Calumet stainless steel sinks in an all stainless steel stand offer the highest value obtainable in processing sinks.

Calumet deluxe sinks feature special type 316-Photographic Grade stainless steel sink pans, aprons and bases . . . with ¾" thick insulation on all four sides and bottom. This insulated double wall construction prevents condensation, deadens sound and provides for better temperature control of processing.

The optional stainless backsplash is fully self-supporting. The 3" wide, 7" high backsplash allows concealed piping or panel mounting of temperature control devices.

Dimensioning: Add 2½" to inside dimensions for outside area required. Add 3" additional to outside depth for sinks with backsplash. Overall height of all sinks is 36". *Custom sinks quoted on request.*

Fast Delivery Program

Deluxe sinks highlighted above are normally in stock for shipment within 14 days. For highlighted TRP sinks, allow 28 working days. Other sizes are 4 week delivery, sinks are not subject to the standard Calumet return policy.

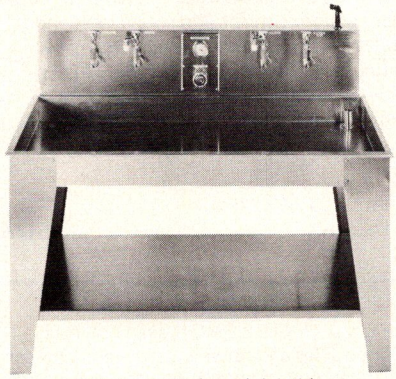


Photo incorrectly shows drain in right rear. Available in left rear or right front only.

Calumet TRP Sink

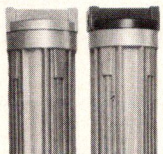
The TRP sinks are the same as the Deluxe sinks, with the addition of a factory plumbed backsplash. This 11" high and 5" wide backsplash features a 2-7 GPM thermostatic mixing valve (Model WR-2), two auxiliary water outlets and a tempered water spray unit. Sink features a water jet outlet in sink bottom and a left rear mounted drain. Connections are ½" for hot and cold lines, and 1½" IPS for drain. Optional Type 316 stainless steel shelf is also available.

Optional Plumbing Variations

Pressure Control Mixing Valve

For upgrade of thermostatic valve to our two-stage pressure control model WRP-2. *(see page 153 for description)*

AY0500 ..... **$95.00**



Water Filter Package

A set of hot and cold water filters with stainless steel brackets attached to the bottom of the sink, complete with shutoff valves for ease in changing filter cartridges. *See page 152 for FCC and FCH 10 filter and cartridge specifications.* Requires assembly.

AY1000 ..... **$220.00**

to order call toll free
1-800-CALUMET
1-800-225-8638

DARKROOM
Calumet Economy Sinks

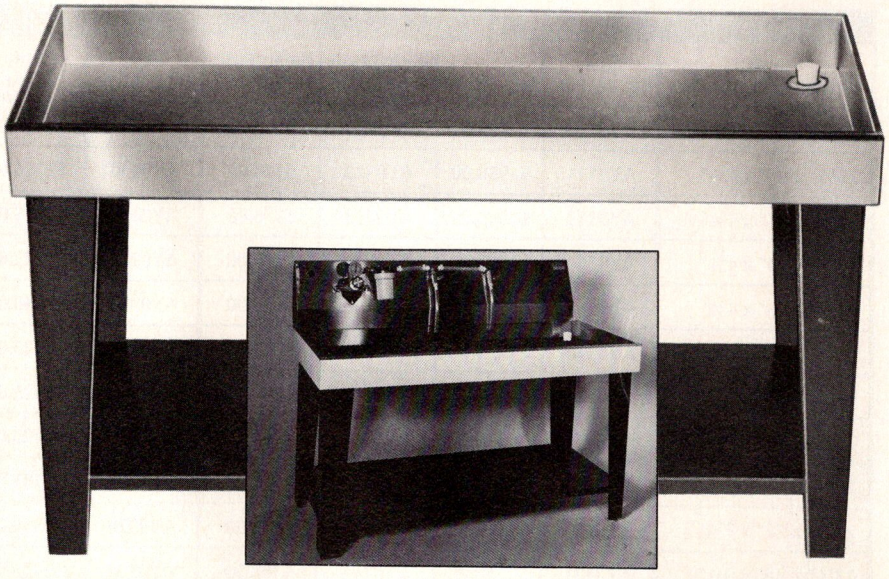
Calumet Econosinks

Manufactured with type 316 stainless steel, these sinks are heli-arc welded and fully insulated. They are easy to clean and excellent for high temperature processes.

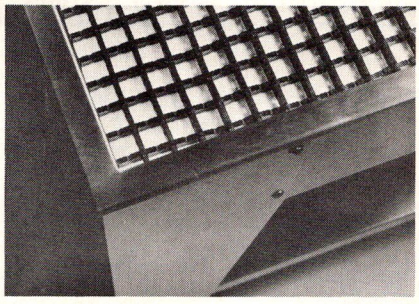
Includes 1½" PVC drain in rear right and a removable stand pipe to maintain three inch water level. Optional Floorstand made with zinc plated steel, coated with oven baked black enamel. Includes adjustable leveling feet and storage shelf. 36" high. Optional backsplash is 6" high, type 316 stainless steel and detachable. Shipped KD.

Plumbed 12" backsplash is 316 Stainless with ½" wood backing. Complete with mixing valve, thermometer, water filter, two water outlets, two check valves, and two shutoffs. Some assembly required. Reusable filter elements (AY0439) available on page 152. Outside dimensions add 1½" to inside dimensions.

Econosinks are also available in 7" depths. Call for details. Modifications or special orders are not available on any Econosink.



Sink Inside Dimensions	Econosink Model No.	Econosink Price	Floor Stand W/Shelf Model No.	Floor Stand W/Shelf Price	Backsplash Model No.	Backsplash Price	Plumbed Backsplash Model No.	Plumbed Backsplash Price
24" x 48" x 5"	AY0401	$375.00	AY0411	$175.00	AY0421	$120.00	AY0426	$595.00
24" x 60" x 5"	AY0402	$400.00	AY0412	$185.00	AY0422	$125.00	AY0427	$600.00
24" x 72" x 5"	AY0403	$470.00	AY0413	$195.00	AY0423	$150.00	AY0428	$625.00
24" x 84" x 5"	AY0410	$510.00	AY0415	$200.00	AY0425	$160.00	AY0429	$640.00
30" x 48" x 7"	AY0351	$495.00	AY0461	$195.00	AY0371	$120.00	AY0376	$595.00
30" x 60" x 7"	AY0352	$535.00	AY0462	$210.00	AY0372	$125.00	AY0377	$600.00
30" x 72" x 7"	AY0353	$625.00	AY0463	$215.00	AY0373	$150.00	AY0378	$625.00
30" x 84" x 7"	AY0360	$685.00	AY0465	$225.00	AY0375	$160.00	AY0379	$645.00



Calumet Sink Mat

The Calumet Multi-Purpose Sink Mat is designed to support trays and tanks for better temperature control, and sound deadening for a quiet safer work surface. The mat is fabricated of soft ribbed PVC which is fully resistant to photographic chemicals. The lattice construction supports small items conveniently and features special drainage slots.

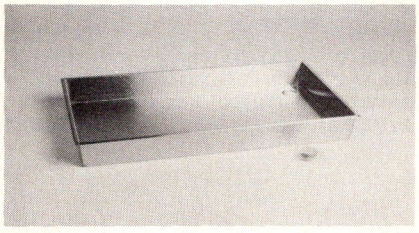
Sinkmat 23½" x 24"
AY0261A **$42.00**

Sinkmat 23½" x 36"
AY0261B **$63.00**

Sinkmat 29" x 24"
AY0262A **$55.00**

Sinkmat 29" x 36"
AY0262B **$82.50**

Note: Sinkmats are stocked in 2 ft. (A) and 3 ft. (B) sections for easier cleaning. If you require a mat 5 ft. long, order:
1 x **AY0261A** 2 ft.
1 x **AY0261B** 3 ft.] 5 ft.



304 Sink Pan

The least expensive, workable, stainless steel sink pan available. Made with type 304 restaurant grade stainless steel. It requires more care and cleaning than type 316 photographic grade stainless steel, but with proper maintenance, it will give good service.

Includes: 1½" I.P.S. PVC drain,* not installed. Sloped sides and downward flanged rims for neat countertop installation. *(Note: Bottom must be braced.)* Dimensions are from inside/bottom. Add 1¼" to each for countertop cutout and 3" to each for O.D.
**Drain available in right rear only.*

Sink Pan 24" x 48" x 5" I.D.
AY0405 ..... **$250.00**

Sink Pan 24" x 60" x 5" I.D.
AY0407 ..... **$265.00**

Sink Pan 24" x 84" x 5" I.D.
AY0406 ..... **$300.00**

Sink Pan 24" x 96" x 5" I.D.
AY0408 ..... **$350.00**

Stainless Steel Standpipes

Used to convert a sink to a water jacket. Installed in the drain, the standpipe will maintain a constant water level for controlling the temperature of processing solutions.

3" Water Level **AY4110** **$18.00**
5" Water Level **AY4112** **$22.00**
7" Water Level **AY4114** **$26.00**

Sinks, shelves, backsplashes and stands are shipped via motor freight collect.

Full 10-year warranty* on material and workmanship!

ABS Darkroom Sinks

These super tough sinks take everything you can give them – and more.

- Constructed of ABS thermoformed plastic.
- Ribbed bottom with cutout for drain.
- Can be easily user drilled to accept optional faucet set.
- Sink pan carries a full 10-year warranty on material and workmanship.

The Sink

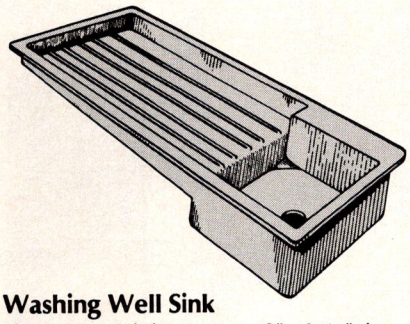
In addition to the standard features, both versions of this popular sink offer ¼" almond colored ABS construction and an integral 12" high rear backsplash. The front wall is approx. 5" high. A built-in shelf runs along the top of the backsplash and can easily be drilled to accommodate the recommended, optional Faucet Set I. A precut drain is located at the rear center of the sink (Drain Set I is not included.)

The Sink (72" x 28" x 12" I.D.)
DT1000 ..... **$199.95**

Sink Stand for 72" x 28" x 12"
DT1005 ..... **$139.95**

The Sink (48" x 28" x 12" I.D.)
DT1010 ..... **$159.95**

Sink Stand for 48" x 28" x 12"
DT1015 ..... **$129.95**

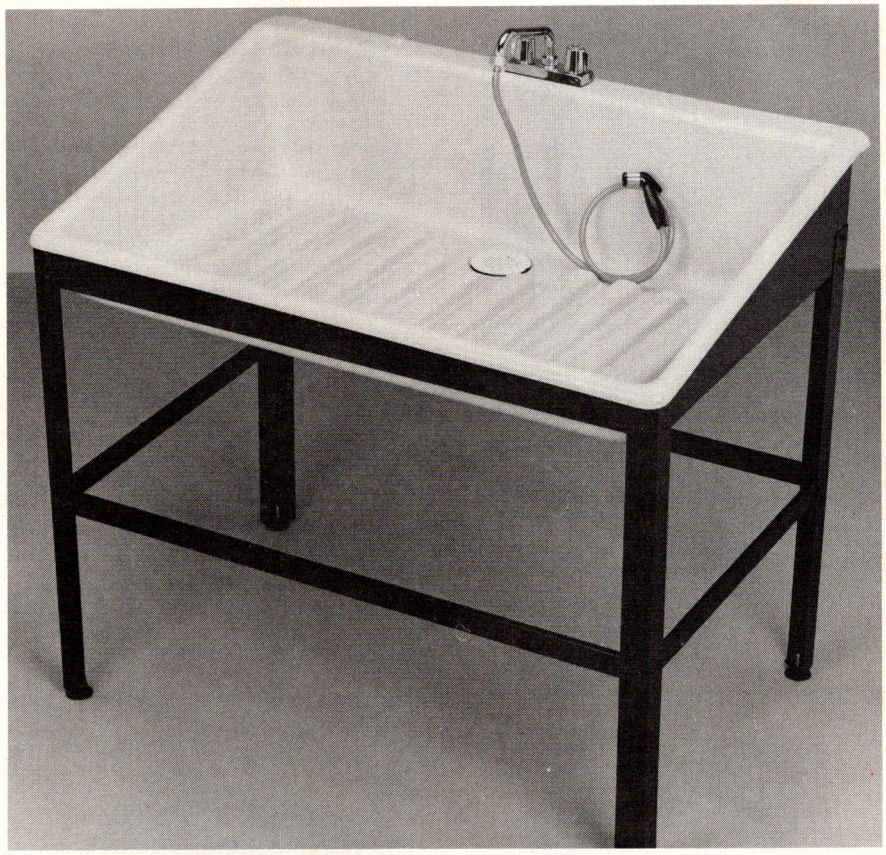


Washing Well Sink

This unique sink features an 18" x 21½" deep washing "well" on the right end of the ribbed sink pan. This well is ideal as a wash-up area for trays, reels and racks. Space is provided at the rear of the well for drilling and installation of a Faucet Set I. The ribbed bottom provides efficient water drainage. Drain hole is precut in well area (Drain Set I is not included.) Washing Well Sink is available in ¼" almond colored ABS. 72" x 28" x 10"

DT1030 ..... **$189.95**

Washing Well Sink Stand
DT1035 ..... **$139.95**



Commercial Sink

This sink features a center drain and black ⅓" ABS plastic construction. Space is provided in the center of the rear edge for the drilling and installation of the Faucet Set I. (Faucet and drain sets are not included.) 96" x 28" x 5"

DT1020 ..... **$289.95**

Commercial Sink Stand
DT1025 ..... **$169.95**



ABS Economy Sink

This economical, 4' long sink becomes even more economical because it is UPS shippable, and therefore does not require expensive truck charges. It features a ribbed bottom with draining at one end. Holds three 11" x 14" or two 16" x 20" trays. Outside dimensions are 48" x 24" x 5". Note: Faucet must be wall mounted with this sink. Almond colored ABS construction.

DT1007 ..... **$119.95**

Sink Stand for 48" x 24" x 5" sink
DT1009 ..... **$119.95**

Accessories

Drain Set I
DT2000 ..... **$9.95**

Faucet Set I
DT2010 ..... **$34.95**

Spray Set I
DT2015 ..... **$21.95**

Washer I Attachment
DT2005 ..... **$9.95**

Items too large for UPS Surface delivery are marked with a symbol next to the catalog number. Items with this symbol are shipped by truck, Freight Collect.

to order call toll free
1-800-CALUMET
1-800-225-8638

*Warranty does not include stand or accessories.



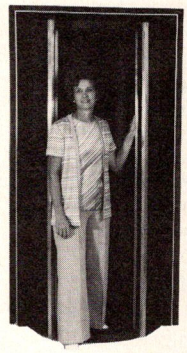
Speedmatic Revolving Darkroom Door

Provides light-tight, easy access to and from any type of darkroom without interfering with film or paper processing or other activities requiring a dark environment. The Speedmatic Revolving Doors keep darkrooms completely light-safe and also cuts down air movement, thus providing a cleaner environment.

These doors are made of rigid, high-impact polystyrene with steel reinforced supporting members for years of maintenance-free service. Suspension and lower guide bearings provide easy rotation from inside or outside. A wrap around aluminum handrail inside and finger grips on the outside facilitate movement and entry.

Shipped completely assembled for quick and easy installation. All you do is place into position of any standard 28", 36" or 48" door opening. Once the door is in place, unique breakaway hardware makes it easy to remove for emergencies or for moving large pieces of equipment in or out. A stationary floor with non-skid surface helps prevent accidents. A unique 48" three-way model allows light-tight access to two rooms from one entry point.

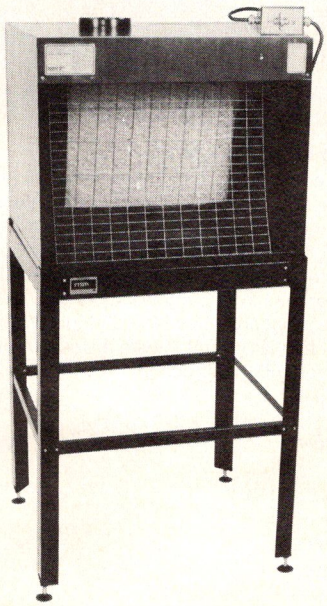
Model	2W28	2W36	3W48
Overall Ht.	82¼"	82¼"	82¼"
Wall Opening Ht.	80"	80"	80"
Wall Opening Wth.	29"	36"	49½"
Overall Dia.	28"	35"	46¾"
Inside Dia.	25½"	32½"	45"
Inside Ht.	74¾"	74¾"	74¾"
Entrance	18"	20"	20"
Door Wt.	157 lbs.	187 lbs.	225 lbs.
Crated Wt.	203 lbs.	233 lbs.	265 lbs.



Specifications and diagrams on all models are available upon request.

2-Way model 2W28
SP2000 ..... **$995.00**
2-Way model 2W36
SP2005 ..... **$1095.00**
3-Way model 3W48
SP2010 ..... **$1425.00**

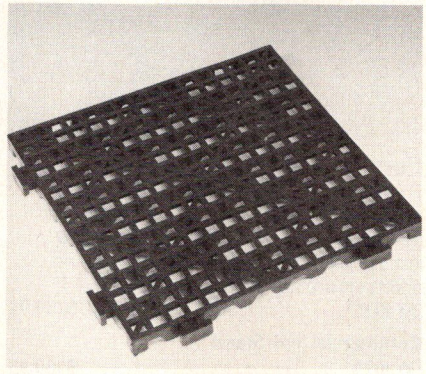
Note: Revolving doors are shipped by truck freight collect. F.O.B. Cushing, OK.



The Mini Spray Booth

Here's the safe and efficient way to lacquer spray any print from 2½" x 3½" to 20" x 24". This compact unit is ideal for professional photographic studios and small color labs. It ensures the best results in air-conditioned areas by minimizing the effects of humidity and air-suspended dust. All steel constructed booth features sealed blower motor, lighted interior with safety housing, remote on/off safety switch, air/rain trap, 6" duct pipe and industrial grade filtering. Measures 24" H x 29" W x 26" D. *(Shown above w/optional stand.)*

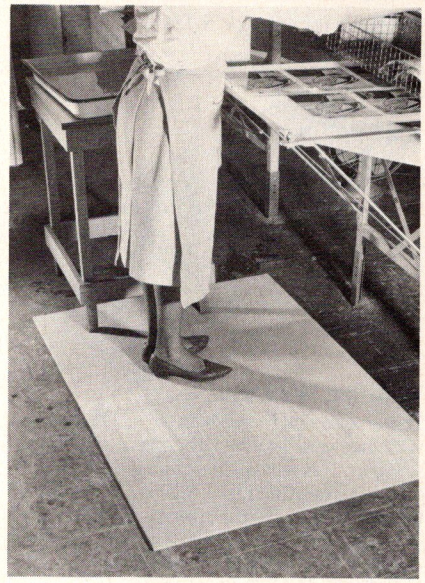
DT3000 ..... **$650.00**
Spray Booth Stand
DT3001 ..... **$125.00**
Replacement Spray Booth Filters (10 pcs.)
DT3002 ..... **$115.00**



Delta Anti-Fatigue Floor Tiles

These 100% virgin vinyl tiles are safe, non-conductive and shock absorbent. Perfect for cushioning floor surfaces while processing or working in the lab. Chemically resistant tiles are easily trimmed and installed. Tiles are 50% heavier and thicker than most other brands. These quality tiles exceed mil. specs, Federal standards and OSHA requirements.

Black 12" x 12" Floor Tile
DT3020 ..... **$14.95**
Black 2½" x 12" Ramp Edge - Male
DT3021 ..... **$3.95**
Black 2½" x 12" Ramp Edge - Female
DT3022 ..... **$3.95**



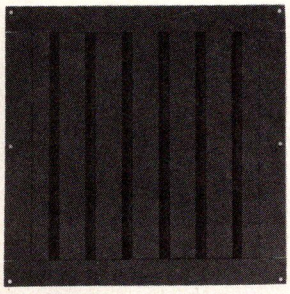
Ace Lite Step Koralite Darkroom Mats

These anti-fatigue mats are completely shock absorbent to cushion all types of floor surfaces. Made entirely of closed cell vinyl that will not absorb darkroom liquids.

⅜" thick Koralite
Black 24" width per ft.
AC1010 ..... **$9.00**
Black 36" width per ft.
AC1015 ..... **$13.50**

Note: Please specify length in feet when ordering. Example: 5' AC1010 would be a 5' x 24" black mat, ⅜" thick with total cost of $45.00

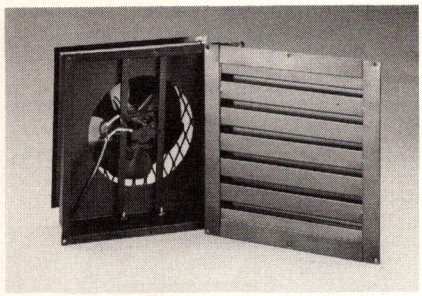
to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery,
Monday through Friday
8 a.m. to 5:30 p.m.
(central time).



12″ x 12″ Light-Tight Darkroom Louvers

Light tight metal louvers with flange. Offer efficient fresh air exchange when used in conjunction with exhaust fan for air intake use. For rooms up to 12′ x 14′ x 8′.

12″ x 12″ Louver **KY3005** **$49.95**

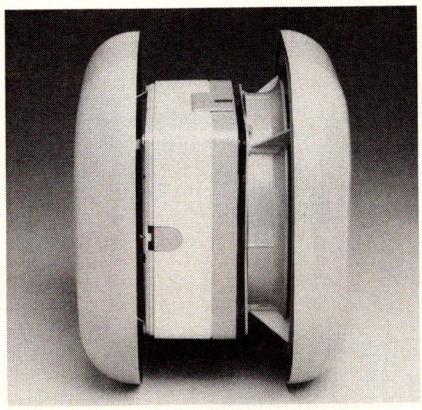


Air-No-Lite Exhaust Fan

Proper ventilation is essential to darkroom safety and comfort, and for this reason the Air-No-Lite Exhaust Fan is a must for any serious darkroom technician or enthusiast. A safe darkroom is one where the air is completely changed every few minutes. This absolutely light tight exhaust fan exhausts up to 300cfm. Efficient for darkrooms up to 12′ x 14′ x 8′. The Air-No-Lite can be used either to suck the air out through the ceiling where the motor is above the ceiling and the louver is flush with the ceiling, or it can be used to push the air to another room.

Air-No-Lite can be grounded by attaching the ground wire to any one of the screws on the unit. All components are UL tested and approved. Stainless steel fan housing will not corrode. Features self-lubricating motor, w/5-blade fan. Outside dimensions: 12″ x 12″. Shown above w/optional louver.

KY3000 ..... **$119.95**



Vent-Axia T Series Darkroom Ventilator

Uniquely designed with two mushroom cowls which offer light-tight and weatherproof protection. These units can be mounted in any wall or window partition up to 14″ thick. Two-year warranty.

7″ Vent-Axia Darkroom Ventilator
Features a 7″ fan which produces 10 air changes per hour in an 800-1300 cubic foot area. Mounts into 8¾″ diameter opening and can be fitted into a wall up to 14″ thick. **ED1217** **$329.95**

9″ Vent-Axia Darkroom Ventilator
Features a 9″ fan which produces 10 air changes per hour in an 1100-2200 cubic foot area. Mounts into 10¼″ opening and can be fitted into a wall up to 14″ thick.
ED1219 ..... **$419.95**

Vent-Axia T Series Controller
Gives 3-speed power control and intake/extract flow control for Vent-Axia Ventilators. Controller gives a choice of low, normal and boost operation. T Series controllers have double-pole switching and neon pilot light, and can be supplied for 50-60 Hz single phase at all standard voltages.

Vent-Axia T Series Controller for 7″ Unit
Allows performance range of 11,650, 14,650 and 18,700 cubic feet of air moved per hour. **ED1227** **$89.95**

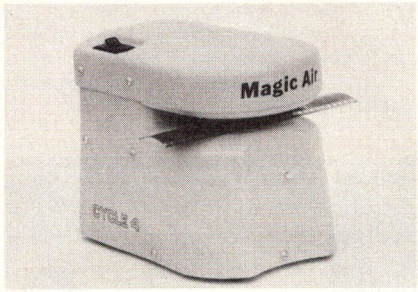
Vent-Axia T Series Controller for 9″ Unit
Allows performance range of 16,000, 22,250 and 25,600 cubic feet of air moved per hour. **ED1229** **$99.95**



X-Rite Silver Recovery Unit

This mid-size unit is for both fixer and bleach. Its recovery rate is 1.25 troy ounces per hour (10 amps). Features 10 gallon tank, solid state control panel, short circuit protection, rugged construction, an ammeter that monitors current output.

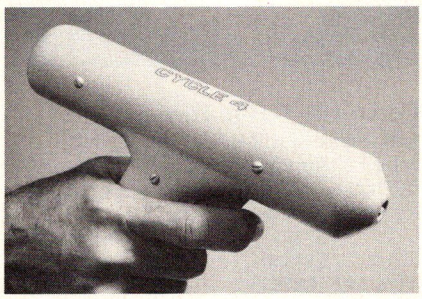
XR4000 ..... **$719.95**



Magic Air Automatic Film Cleaner

Uses high velocity air to remove static charge, dust and lint from film instantly - without a compressor. Features an all-electronic design (no radioactive material) and DC high voltage to remove static charge. Cleans strip film or large reels of film, up to 70mm.

FC1000 ..... **$545.00**



Anti-Static Air Nozzle

Removes dust, lint and static charge from film. Easy to use nozzle has simple trigger action, 2.4 watts of power and comfortable pistol-grip handle. Completely self contained nozzle means no electric shocks! Requires compressed air.

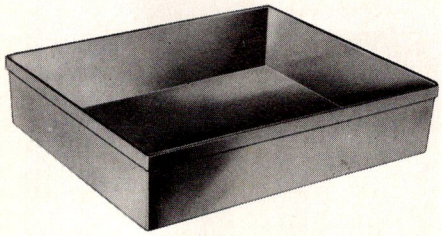
FC2050 ..... **$350.00**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

in stock
AVAILABILITY
11,000 Professional Photographic Products.

Calumet Stainless Steel Trays

These Type 316 Stainless Steel trays are heliarc welded, ground, polished and passivated so that the finished tray is one-piece seamless construction. Easy to clean, resists stain and provides highest temperature conductivity. Sides are tapered for easy nesting for storage. Calumet trays give you years of quality performance . . . can't chip. Available in 7 sizes to fit standard material size – other sizes can be made to your specifications. Prices on request.



For Size Material	Dimension at Bottom	Outside Dim. at Top	Cat. No.	Price
11″ x 14″	12″ x 15″ x 3″ deep	13″ x 16″	AY7010	$ 71.95
14″ x 17″	15″ x 18″ x 3″ deep	16″ x 19″	AY7015	$ 79.95
16″ x 20″	17″ x 21″ x 3″ deep	18″ x 22″	AY7020	$ 89.95
20″ x 24″	21″ x 25″ x 3″ deep	22″ x 26″	AY7030	$119.95
11″ x 14″	12″ x 15″ x 6″ deep	14″ x 17″	AY7050	$ 99.95
16″ x 20″	17″ x 21″ x 6″ deep	19″ x 23″	AY7060	$114.95
20″ x 24″	21″ x 25″ x 6″ deep	23″ x 27″	AY7065	$159.95



Tray Ladders

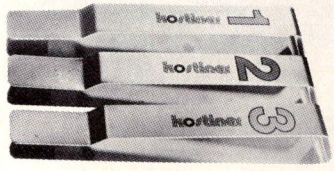
Conserve space, stack three developing trays in the space of one with tray ladders. Manufactured with epoxy coated, zinc plated steel and designed for use with all trays. Stores flat.

For 3-11″ x 14″ or smaller trays.
AY0455 ..... **$29.95**
For 3-16″ x 20″ or smaller trays.
AY0456 ..... **$41.95**

Removing Stains from Stainless Steel

The best way to remove chemical deposits is scouring them with a non-abrasive cleaner, such as Bon Ami. Care should be taken to rub with the grain of polished steel.

Steel wool or steel brushes should never be used as particles of these materials will adhere and cause immediate rusting and breaking down of the stainless steel.



Kostiner Stainless Steel Tongs

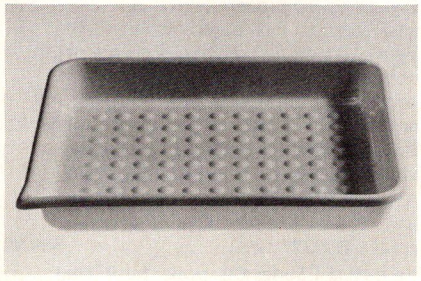
A set of three tongs specifically designed to prevent emulsion damage or scratching. If excess finger pressure is applied, the tongs will release. **KS5000** **$17.95**



Cesco-Lite Plastic Trays

Fully seamless, white, heavyweight, high-impact plastic trays. Maximum corrosion resistance – 58% solution of acetic acid. Safe for normal photo processing.

5″ x 7″ **CS7505** **$2.95**
8″ x 10″ **CS7510** **$5.95**
11″ x 14″ **CS7513** **$9.95**
14″ x 17″ **CS7514** **$14.95**
16″ x 20″ **CS7515** **$18.95**
20″ x 24″ **CS7517** **$31.95**

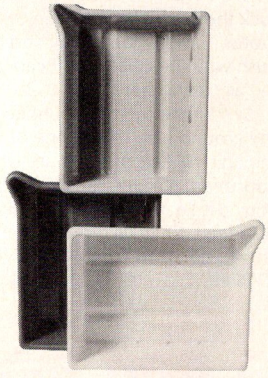


Cesco-Lite Dimple Bottom Plastic Trays

8″ x 10″ **CS7525** **$5.95**
11″ x 14″ **CS7526** **$9.95**

Cesco-Lite Deep Hypo Bath Plastic Trays

11″ x 14″ **CS7520** **$24.95**
16″ x 20″ **CS7521** **$31.95**



Paterson Developing Trays

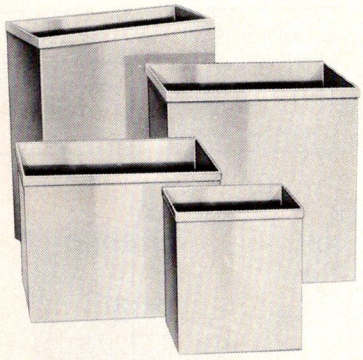
These strong and thick polypropylene trays feature base ribbing for maximum economy of solution, a thermometer rest for solution temperature check and an extra large pouring lip.

Trays Sets — including 3 separate colored trays for easy identification.
5″ x 7″ Tray (Set of 3) **PA0570** **$6.75**
8″ x 10″ Tray (Set of 3) **PA0811** **$8.25**
12″ x 16″ Tray (Set of 3) **PA1217** **$21.75**

Single Trays — available in white only.
16″ x 20″ Tray **PA1620** **$15.75**
20″ x 24″ Tray **PA2024** **$48.75**

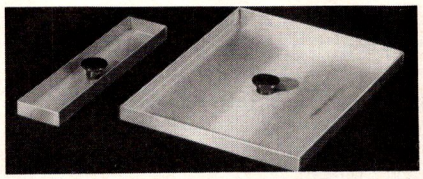
in stock
AVAILABILITY
11,000 Professional Photographic Products.

Prices are subject to change without notice.



Calumet Standard Developing Tanks and Accessories

Calumet photographic grade stainless steel processing tanks and accessories are corrosion-resistant to all photographic solutions including color bleaches and rapid fixers. They are highly polished for easy cleaning. Long-life construction and low price make them the best value obtainable in photograph processing equipment. Tanks feature hemmed lips and leak-free construction and are made of heliarc welded type 316 stainless steel.

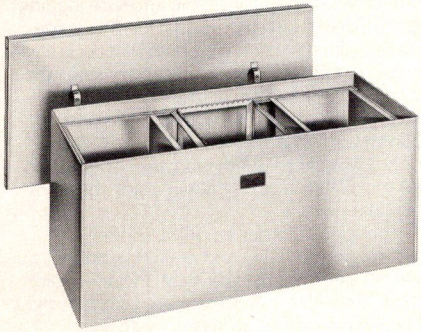


Accessories available include:

- Floating lids to prevent oxidation.
- Dust covers to prevent contamination.
- Racks to hold cut film hangers and reels.
- Racks with gas burst distributors are also available (see page 134).

Tank Cap	Nom. Film Size	Film Hangers	35mm Reels	Inside Dimensions	Tank Cat. No.	Tank Price	Float Lid Cat. No.	Float Lid Price	Dust Cover Cat. No.	Dust Cover Price	Hanger Rack Cat. No.	Hanger Rack Price
½ gal.	4″ x 5″	12(7)*	3	4½″ x 5½″ x 6″d.	CP0372	$49.95	CP0373	$29.95	CP0374	$29.95	AY8030	$59.95
1 gal.	4″ x 5″	24(15)*	6	5½″ x 9″ x 6″d.	CP0362	$57.95	CP0363	$29.95	CP0364	$29.95	AY8025	$59.95
1 gal.	8″ x 10″	6(4)*	N.A.	2½″ x 10½″ x 10⅛″d.	CP0375	$59.95	CP0376	$29.95	CP0377	$29.95	AY5526	$59.95
2 gal.	8″ x 10″	12(7)*	15	4⅜″ x 10⅞″ x 10⅜″d.	CP0365	$67.95	CP0366	$29.95	CP0367	$29.95	AY5520	$59.95
3½ gal.	8″ x 10″	18(13)*	30	7⅞″ x 10⅞″ x 10½″d.	CP0352	$74.95	CP0353	$29.95	CP0354	$34.95	AY5510	$59.95

*Higher number is individual hangers closely spaced. Lower number is capacity with rack.

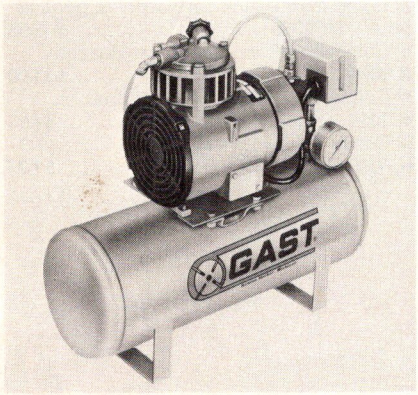


Temp Tanks

Temp tank sets include a type 316 stainless steel water jacket with ⅜″ IPS water inlet and 1″ IPS water outlet that provides a water bath around the chemical tanks allowing close temperature control.

Each unit includes two chemical tanks but there is room in the center for a water rinse or a third tank. Extra tanks and floating lids are available. See the above chart for ordering information. (Shown with optional hanger rack.)

Tank Cap.	Nom. Film Size	Outside Dimensions	Temp Tank Cat. No.	Temp Tank Price	Cover Cat. No.	Cover Price
1 gal.	4″ x 5″	9½″ x 20½″ x 7½″h	CP0360	$279.95	CP0361	$49.95
3½ gal.	8″ x 10″	13″ x 29″ x 12½″h	CP0350	$349.95	CP0351	$59.95



Gast Oil-less Air Compressor

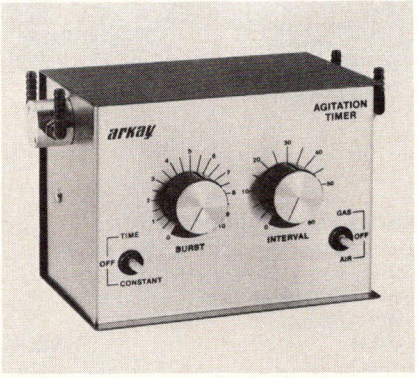
Features unloader pressure switch, gauge, shut-off valve, check valve, 2-gal-tank and .3 CFM at 30 lbs.

CC6005 ..... **$299.95**

AC-106 Air Compressor

Features oil-less compression, shut-off check, unloader valve, 5-gal. tank and 2.4 CFM at 30 lbs.

AK0106 ..... **$379.95**



Gas Burst Timer

The solid state design of the Arkay BT-210A gas burst timer means greater reliability and accuracy at the lowest possible cost.

The BT-210A features dual solenoid control so that both nitrogen and air can be used in the same timer. A conveniently located switch lets you instantly select nitrogen or air agitation.

The BT-210A has a large, easy-to-read double pointer dial for setting burst interval from .1 seconds to 10 seconds. The interval between bursts can be set from one second to 60 seconds or constant "on."

The timer housing is stainless steel with a black baked enamel cover. It can be wall or bench mounted. Electrical requirement: 120 VAC, 60 Hz, 0.1 amps.

110v AC

NC-2 Nitrogen/Air Combination Timer

AY9020 ..... **$325.00**

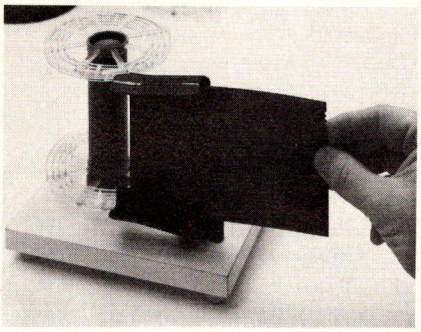
Gas Burst Timer Hose ¼″ I.D.

AY9025 ..... (per foot) **$1.69**



Jobo System 2500 Sheet and Roll Film Kits

The unique "spider web" design of the processing reels permits little surface contact with the film which allows less restricted flow of chemistry around the film for even development.



Single Reel Sheet Film Kits

Single Reel Sheet Film Kit – Contains one 6-sheet capacity sheet film reel and convenient loading stand. The tank capacity is 1350 CC. and may be used for inversion agitation, roller bases, or the Jobo Processors.

JB1000 ..... **$78.95**

Two Reel Sheet Film Kit – Consists of two Sheet film reels, loader, and larger 2850 CC. tank. **JB1002** **$91.95**

Jobo Ro-Set Reel – Adjustable reel for 35mm (up to 72 exp) and 120/220 film. For use with Jobo 2500 system tanks. Requires use of Ro-Set loader listed below.

JB1060 ..... **$12.95**

Jobo Ro-Set Film Loader – Free standing adjustable film loader for use with Ro-Set reels. For 35mm and 120/220 films.

JB1065 ..... **$89.95**

Jobo 1500 Tank System

The System 1500 film tanks are designed to be used for both inversion and rotary processing. The 1530 tank module can be added to any existing tank for greater tank capacity. The 1501 adjustable reel "walks" film on and will hold 35mm, 120mm, and 220 film. System 1500 tanks are compatible with the complete line of Jobo processors with the proper adapter. Reels are not included.

System 1500 Tanks

35mm Tank #1510 (1-35mm)
JB2230 ..... **$15.95**

Uni-Tank #1520 (2-35mm)
JB2301 ..... **$17.95**

Multi-Tank #1540 (4-35mm)
JB2302 ..... **$23.95**

Tank Module #1530 (3-35mm)
JB2310 ..... **$11.95**

Combo #1526 (5-35mm or 1-8 x 10 print) **JB2315** **$26.95**

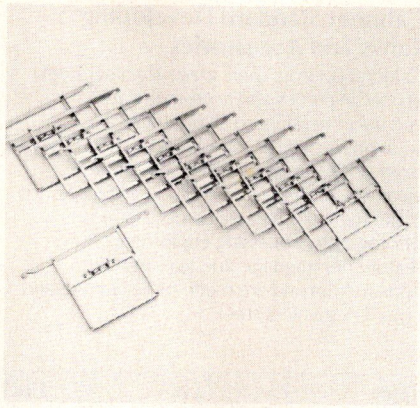
System 1500 Reels and Accessories

Adjustable reel #1501 (35mm, 120mm, 220mm) **JB2330** **$5.95**

Cog Lid 1500 (for use with Jobo-Lift)
JB2320 ..... **$8.95**

Magnet (for use with magnetic drive processors) **JB2205** **$7.95**

See page 136 for the complete line of Jobo Processors.



Calumet Stainless Steel Sheet Film Hangers

Calumet 4" x 5" single hanger
CP9080 ..... **$8.95**

Calumet 4" x 5" 4-up hanger
CP9081 ..... **$38.95**

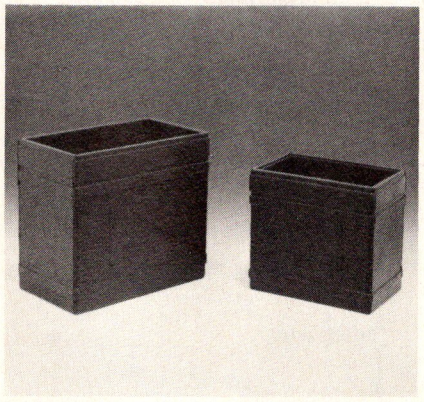
Calumet 8" x 10" hanger
CP9082 ..... **$14.50**

Kodak Stainless Steel Sheet Film Hangers

S. Steel developing hanger, 4" x 5".
KK9329 ..... **$16.25**

S. Steel developing hanger, 4" x 5" – 4 up.
KK9345 ..... **$42.95**

S. Steel developing hanger, 8" x 10".
KK9335 ..... **$21.95**



Kodak Hard Rubber Tanks

4" x 5" ½-Gal. takes six 4" x 5" or smaller Kodak film and plate developing hangers No. 4A, or eight Kodak sheet film developing hangers No. 6.
KK9410 ..... **$17.95**

5" x 7" 1-Gal. takes eight 4¾" x 6½" or 5" x 7" Kodak film and plate developing hangers.
KK9420 ..... **$20.95**

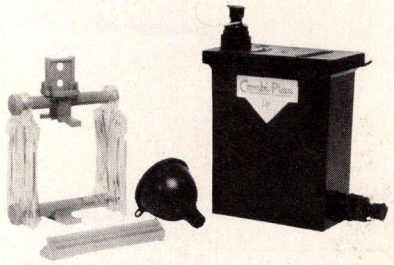
8" x 10" 3½-Gal. takes twelve 8" x 10" or twenty 5" x 7" Kodak film and plate developing hangers.
KK9430 ..... **$55.95**

4 x 5 floating lid.
KK9470 ..... **$6.95**

5 x 7 floating lid.
KK9471 ..... **$8.95**

8 x 10 floating lid.
KK9472 ..... **$10.50**

See page 149 for New Calumet/Gravity Works Multi-Format Film Washers – for 35mm, 2¼ and 4x5. Accepts stainless steel and Jobo roll and sheet film reels, as well as HP Combi Plan T racks.



HP Combi Plan T 4x5 Daylight Processor

This unit is by far the most popular and successful daylight sheet film developing systems ever invented! A convenient and compact daylight sheet film processing system which is ideal for location processing or where space is at a premium. Features removable and adjustable negative carrier which is designed for simple and sure loading in the dark by use of a special loading guide frame. Film retention clips hold film securely in negative carrier, which is necessary since the Combi Plan T System utilizes the same inversion agitation method as a standard 35mm roll film daylight tank. Tanks require only 35 oz. of solution and will process up to (6) 4" x 5" black and white or color sheets of film at a time.

The special lid design of the model "T" system permits filing and draining solutions as well as developing in daylight. Included with the Combi Plan T Processor are two light-tight hose connectors with screw-in stoppers; a funnel to facilitate filling; negative carrier with loading guide; tank; and light-tight, non-spill lid. **HC1000** **$39.95**

HP Combi Plan T Tank Only, without pouring spout. **HC1050** **$19.95**

HP Combi Plan T film carrier, with loader.
HC1070 ..... **$23.00**

HP Combi T daylight lid, w/o stopper.
HC1055 ..... **$4.95**

HP Combi T screw-in stopper.
HC4060 ..... **$1.25**

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.



Kindermann Stainless Steel Developing Tanks

This is perhaps the best roll film processing system that we have seen. Made of the highest quality materials available, this system offers fast, efficient, internal flow control which saturates all the film instantly for even development. Leak proof, snug-fitting PVC tops for immersion agitation, corrosion-proof, tank is made of super quality nickel stainless steel. Tanks do not include reels.

Tank for 1-35mm reel.
KD2000 ..... **$18.95**
Tank for 2-35mm or 1-120mm reel.
KD2010 ..... **$22.95**
Tank for 4-35mm or 2-120mm reels.
KD2020 ..... **$41.95**
Tank for 1-220mm reel (4" diameter).
KD2030 ..... **$49.95**
Tank for 1-70mm reel (Kukalit PVC).
KD2050 ..... **$99.95**

Kinderman Stainless Steel Developing Reels

Made of chrome-nickel steel are unbreakable, resistant to chemicals, heat resistant and can be used even when wet. They provide for reliable reverse exposure of reversible films. Only fractions of a millimeter of the film area are in contact with the reel. Exactly dimensioned for the appropriate film size.

35mm reel.
KD1000 ..... **$14.95**
120mm reel.
KD1010 ..... **$14.95**
220mm reel.
KD1020 ..... **$24.95**
70mm reel.
KD1030 ..... **$114.95**

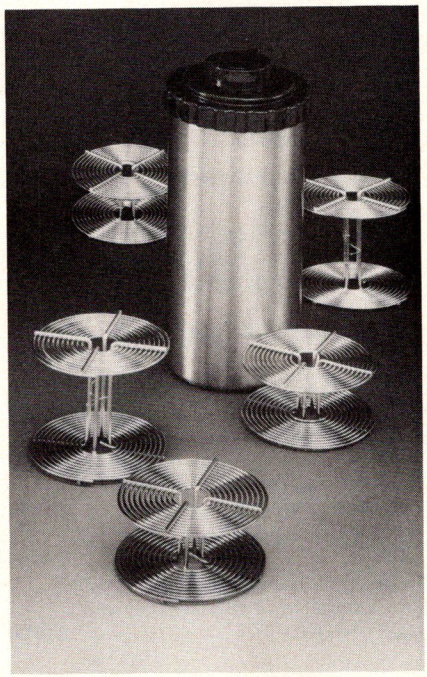
Kinderman Film Loaders

The best and quickest way of loading reels with films without scratching or leaving fingerprints. The film is guided and handled only at its perforation.
(For Kinderman reels only.)

35mm loader.
KD1050 ..... **$4.25**
120mm loader.
KD1060 ..... **$4.25**

Jobo 2400 Daylight Tank

Processing without a darkroom is easy with the Jobo 2400 daylight-loading tank. Insert the film by daylight and start processing. Processes partially exposed films also. For 35mm films only.
JB1100 ..... **$34.95**



Calumet Stainless Steel Tanks and Reels

Stainless steel tanks and reels have been a long time favorite of professional photographers. Easy pour PVC tops are tabbed allowing timely lid removal. Calumet stainless steel tanks and reels are reasonably priced and represent a best value. Order reels separately.

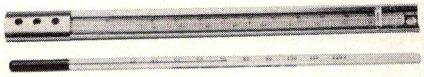
Stainless Steel Tanks
35mm Tank (1-35mm reel)
CP9073 ..... **$7.50**
120mm Tank (2-35mm or 1-120mm)
CP9074 ..... **$8.95**
7" Tank (4-35mm or 2-120mm)
CP9078 ..... **$23.95**
12" Tank (8-35mm or 3-120mm)
CP9079 ..... **$32.95**

Stainless Steel Reels
35mm reel
CP9075 ..... **$4.95**
120mm reel
CP9076 ..... **$5.95**
220mm reel
CP9077 ..... **$6.25**

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.

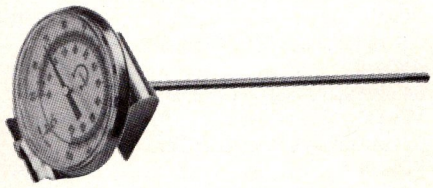
Beseler Thermometer

Precision dial thermometer with 60-160°F. range, accurate to ±½° in most-used 68 to 100° range. Big 2¼" dial with glow-in-the-dark numbers, with Fahrenheit and Centigrade scales. Fully adjustable for lifetime accuracy. Fast temperature response. Clip fastens thermometer to any tray or tank.
BS4035 ..... **$19.95**



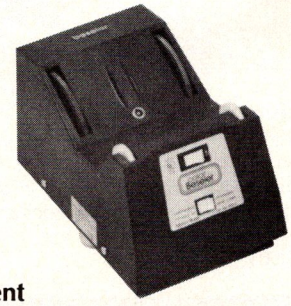
Kodak Thermometers

Process Thermometer – Precision made "standard of the industry." Dual scale, 12 to 60°C and 55 to 140°F±0.25 degrees F. Glass in stainless steel sheath.
KK9496 ..... **$73.95**
Color Thermometer – 10" long, glass F scale accuracy ±0.5 degree.
KK9495 ..... **$13.95**



Weston Dial Thermometers

Standard – stainless steel, for tank or tray use. Accuracy ±.025°F.
BR8200 ..... **$23.95**
3" diameter – dual scale 6" spiked stem. Accuracy ±0.25°F. **BR8210** **$26.95**



Beseler Equipment

Deluxe Motor Base Agitator. Dual operation modes provide the option of continuous (one direction) agitation or automatic intermittent reversing action.
BS4030 ..... **$89.95**

Color Print Processing Drums.
8" x 10" drum **BS4005** **$22.95**
11" x 14" drum **BS4010** **$41.95**
16" x 20" drum **BS4015** **$64.95**

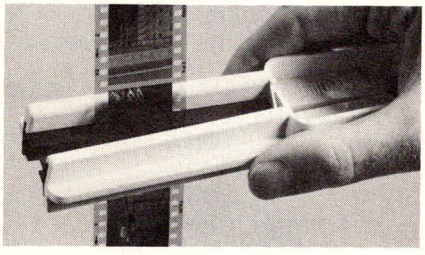
in stock
AVAILABILITY
11,000 Professional Photographic Products.

DARKROOM
Graduates, Squeegees, Funnels, Storage Tanks



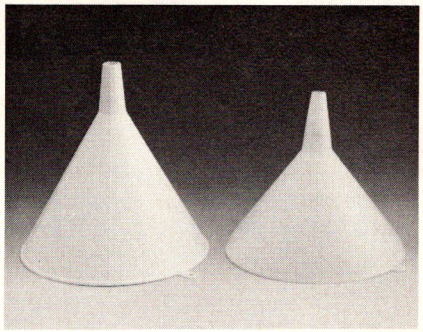
Calumet Graduates and Mixing Beaker

1 gallon Stainless Steel Mixing Beaker
VL9030 ..... **$31.95**
128 oz. Stainless Steel Graduate.
AY0440 ..... **$64.95**
64 oz. Stainless Steel Graduate.
VL9020 ..... **$22.95**
32 oz. Stainless Steel Graduate.
VL9010 ..... **$17.95**



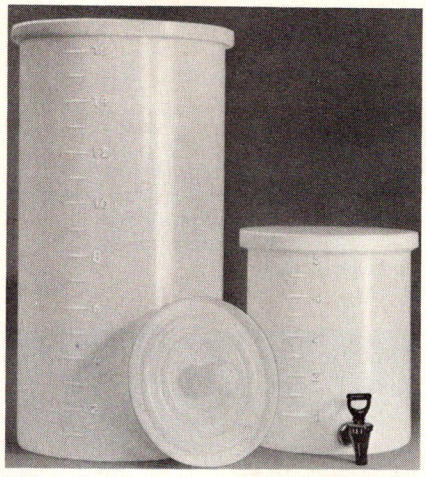
Paterson Film Squeegee

Removes excess moisture and prevents drying marks on film. Extra soft rubber blades remove excess moisture from film without scratching. 3" long wiping blades are suitable for all film up to 4 x 5.
PA1005 ..... **$6.95**



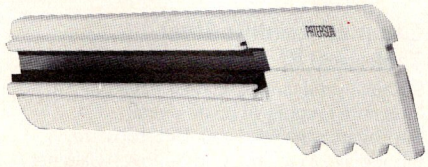
Filter Funnels

Constructed of thick white polyethylene with fine-mesh stainless steel filter.
16 oz. size
BR9112 ..... **$2.29**
32 oz. size
BR9114 ..... **$2.99**



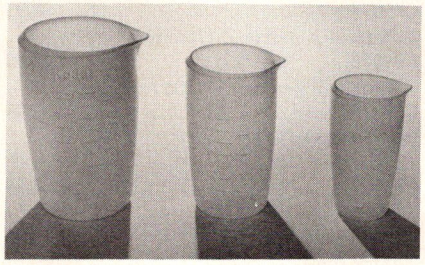
Nalgene Polyethylene Storage Tanks

Nalgene 5 gallon Polyethylene Tank with dust cover and positive acting screw type seat valve. *(valve not pictured)*
NG0051 ..... **$31.95**
Nalgene Floating Lid (5 gal.)
NG0052 ..... **$20.95**
Nalgene 15 gallon Polyethylene Tank with dust cover **NG0150** **$29.95**
Nalgene Floating Lid (15 gal.)
NG0152 ..... **$21.95**
Nalgene 30 gallon Polyethylene Tank with dust cover **NG0300** **$46.95**
Nalgene Floating Lid (30 gal.)
NG0302 ..... **$23.95**
Faucet, self closing, non-corrosive, 3/8" IPS (free installation when purchased with tank) **NG1000** **$10.00**



Paterson RC Print Squeegee

Efficiently removes excess water from black & white and color prints up to 16 x 20. Promotes rapid and even drying. Features floating action blade and comfortable hand grip.
PA1010 ..... **$18.95**



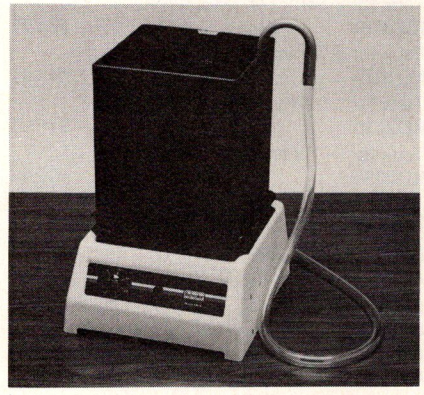
Kodak Darkroom Graduates

Constructed of lightweight, shatterproof polyethylene. Splashproof edge. Marked in ml. and oz. graduations on both sides.
8 oz. **KK9475** **$4.95**
16 oz. **KK9477** **$6.25**
32 oz. **KK9480** **$7.95**



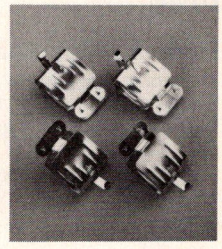
Calumet Chemical Mixer/Transfer Pump

This 15 gallon capacity, Type 304 stainless steel tank allows you to mix four standard 3½ gallon mixes at one time. A special valve assembly allows you to switch from mixing to transfer mode without touching chemicals or hose. Standard eight foot flexible hose and storage stand with casters provides easy transfer of mixed liquids from room to room. Dimensions: 18" (w) x 18" (d) x32½" (h). Note: base requires some assembly.
CP5015 ..... **$469.95**



Model CM/5 Chemical Mixer

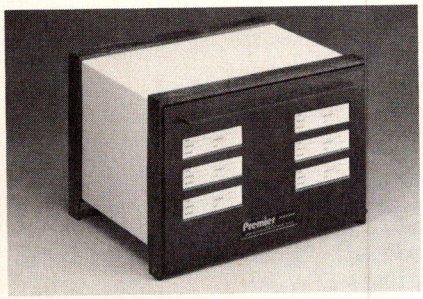
Mixes a full five gallons by recirculation, then pumps it out into your storage tank. It also features a magnetically driven recirculation and delivery pump, 30 minute timer, and four foot delivery hose.
RL1050 ..... **$495.00**



Film Clips

With two regular and two lead weighted stainless steel clips.
MS7598 ..... **$2.95**

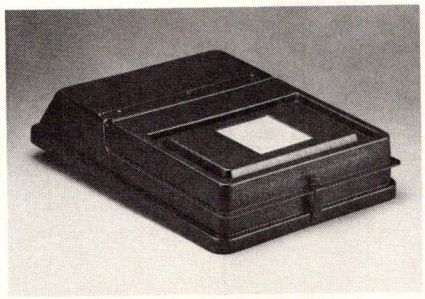
Prices are subject to change without notice.



Premier Adjustable Paper Safes

Save paper AND time with this convenient darkroom accessory. Adjustable shelf dividers let you store paper sizes and types according to your needs. Door opens with fingertip pressure for instant access and closes automatically when released, eliminating accidental paper exposure. Printed pressure sensitive labels are supplied for placement on outside of door to show paper locations.

PS-81 for 8″ x 10″ **PM6910** **$54.95**
PS-114 for 11″ x 14″ **PM6915** **$64.95**



Premier Paper Safes

Ideal for storage of all light-sensitive materials – color or black & white film and paper. No more fussing with frayed cardboard boxes. Features an easy open/positive lock lid and an exclusive "tilt and tap" feature which fans paper for easy single-sheet paper removal. Constructed of rugged ABS plastic, with no fear of damage from refrigeration or freezing. Holds up to 200 s.w. sheets.

8″ x 10″ **AK0100** **$19.95**
12″ x 16″ **AK0110** **$23.95**
16″ x 20″ **AK0120** **$39.95**



Air Calumet

Blows dust off and the competition away at a 25% savings! Air Calumet contains over 5,000 blasts of clean, high-powered, pressurized air. It offers safe and efficient dust removal from delicate surfaces such as lenses, negatives, slides, camera bodies, enlargers and other precision instruments. A must for any darkroom, studio, or camera bag.

Individual 12 oz. can
CI1040 ..... **$3.75**
Case of 12 (12 oz. cans)
CI1050 ..... **$39.00**



Staticmaster Brushes

Features polonium strip that neutralizes and eliminates static electricity. With replaceable cartridge.

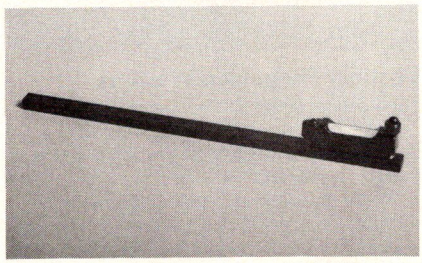
1″ Model.
BR8830 ..... **$13.95**
1″ Replacement Cartridge.
BR8831 ..... **$8.25**
3″ Model.
BR8832 ..... **$27.95**
3″ Replacement Cartridge.
BR8833 ..... **$17.95**



Kostiner Anti-Static Dust Removing Brush

Carbon-coated, acrylic-fiber brush will remove static electricity and dust from negatives, sheet film, enlarging lenses, glass plates or electronic parts. Neutralizes positive charged ions through resistance flow without radioactive elements. Brush may be washed with soap and water. Handsome wooden handle provides comfortable grip.

KS7000 ..... **$32.95**



Calumet Enlarger Alignment Tool

Prints not sharp? Your enlarger may be out of alignment. The Calumet Alignment Tool with built-in adjustable spirit level is a precision instrument that permits you to properly align your enlarger for the sharpest possible prints.

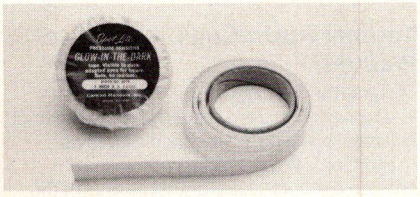
CP9230 ..... **$39.95**

Air Calumet Anti-Static Trigger Nozzle

These newly designed, chrome-plated brass trigger nozzles feature a *built-in anti-static system* which lasts longer and costs less than any other system on the market. By using easily replaceable, self-changing, one micron electrostatic bullet filters, the Air Calumet Trigger Nozzles eliminate dust-holding static electricity.

This system is harmless and non-radioactive, and will fit ***all*** brands of canned air. The improved nozzle design features a variable trigger which provides the utmost control for cleaning your valuable equipment, negatives and slides.

Standard Anti-Static Trigger Nozzle
Features 2½″ probe.
CI1010 ..... **$12.95**
Extra-Long Anti-Static Trigger Nozzle
Features 4″ probe with scratch-resistant vinyl tip for equipment protection.
CI1020 ..... **$14.95**
Replacement Electrostatic Bullet Filters
(Package of 6)
CI1060 ..... **$2.50**



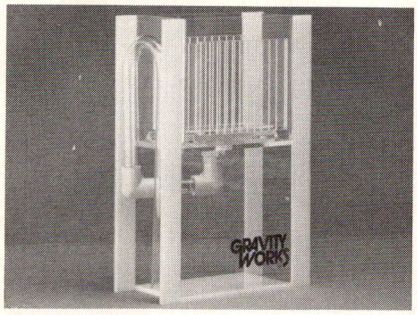
Spot-Lite Glow-In-Dark Tape

Pressure sensitive phosphorescent vinyl tape glows in total darkness after exposure to any type of light. No radium. Non-toxic. Hundreds of darkroom uses. 1″ x 5 yds. kit.

KT0350 ..... **$7.95**

COMPETITIVE PRICES

in stock
AVAILABILITY
11,000 Professional Photographic Products.

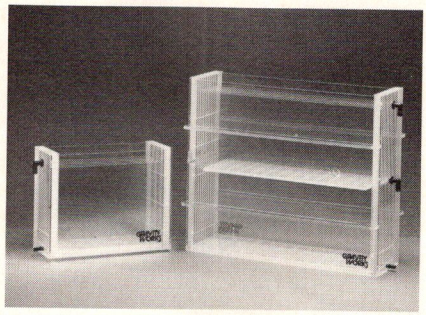


Gravity Works Archival Film Washer

This water AND time efficient film washer has a unique fill-and-dump system that allows you to visually see the water exchanges – which occurs one time every 60 seconds. This reduces wet time by 50%! A self-regulating system literally sucks the water, hypo and other impurities out of a bottom-located exit tube. Because of its design, the Gravity Works washer will wash 35mm (6 rolls), 120cm (4 rolls) or, with optional film basket, 4" x 5" (12 sheets) or 5" x 7" (6 sheets). Unit can be mounted to the wall. All units are individually tested and come with a lifetime warranty against manufacturer's defects, and include plumbing for out-of-sink use.

AFW45 Archival Film Washer
(accepts eight 4 x 5 film hangers)
GW1600 ..... **$60.00**

AFB45 Print Basket for 4" x 5"
Capacity: 12 - 4" x 5"'s **GW1700** **$19.00**



Gravity Works Archival Print Washers

These high quality, clear-cast acrylic washers feature an efficient water-jet-injection system which rids prints of all hypo and other impurities. Prints are centered in individually sealed compartments allowing both sides to wash evenly. Because "gravity works", prints are easily loaded into the washer and the unit is self-draining for easy relocating or storage. Other features include:

- Infinitely variable flow rate from 0 - 3 g.p.m.
- Dry surface safe usage saves valuable sink space
- Stays full while water supply is shut off
- Removable dividers for easy cleaning
- Hand inspected and tested, with lifetime warranty against manufacturer's defects.

All units are supplied with plumbing attachments for out-of-sink use, divider panels, lids and print retrieving rod.

AW081 Print Washer
Capacity: 12 - 8 x 10's, 24 - 5 x 7's
GW1000 ..... **$225.00**

AW114 Print Washer
Capacity: 12 - 11 x 14's, 24 - 8 x 10's, 36 - 5 x 7's
GW1100 ..... **$350.00**

AW162 Print Washer
Capacity: 12 - 16 x 20's, 24 - 11 x 14's, 24 - 8 x 10's
GW1200 ..... **$445.00**

AW202 Print Washer
Capacity: 12 - 20 x 24's, 12 - 16 x 20's, 24 - 11 x 14's, 24 - 8 x 10's
GW1300 ..... **$545.00**

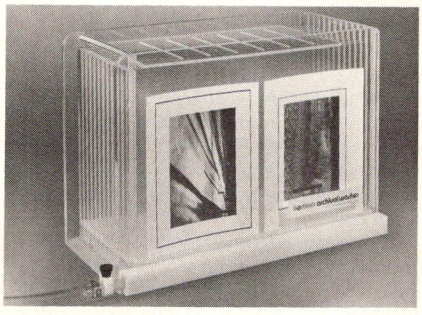
Pro Archival Print Washers

These high capacity units are designed specially for safe, thorough washing of large batches of prints. Ideally suited for schools, museums or in-house labs. Can be used at half capacity to conserve on water.

AW165 Print Washer
Capacity: 12 - 16 x 20's, 24 - 11 x 14's, 48 - 8 x 10s, 96 - 5 x 7's
GW1400 ..... **$595.00**

AW215 Print Washer
Capacity: 24 - 16 x 20's or 20 x 24's, 48 - 11 x 14's, 72 - 8 x 10's, 144 - 5 x 7's
GW1505 ..... **$769.95**

Prices are subject to change without notice.



Kostiner Archival Print Washers

Maximum print permanence with minimum water use. Kostiner washers are acclaimed by some of the world's finest photographers. Air turbulated water keeps prints continuously floating with no sticking together. Low water consumption. The washers will operate effectively at a minimum flow rate of one gallon per minute.

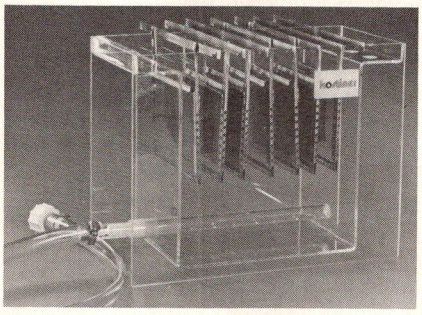
Kostiner 11 x 14 Archival Print Washer
KS1000 ..... **$375.00**

Kostiner 16 x 20 Archival Print Washer
KS1500 ..... **$475.00**

Kostiner 20 x 24 Archival Print Washer
KS2000 ..... **$650.00**

Out of sink attachments for table top use
11 x 14 out of sink attachment.
KS1005 ..... **$60.00**

16 x 20 out of sink attachment
KS1505 ..... **$75.00**



Kostiner Sheet Film Washers

The Kostiner sheet film washer uses an air turbulated concept which prevents air bubbles from collecting on the film assuring a better, cleaner archival wash.

Water flows through the adjustable air turbulator valve and into the washer. Includes 4-foot hose with standard garden hose connector.

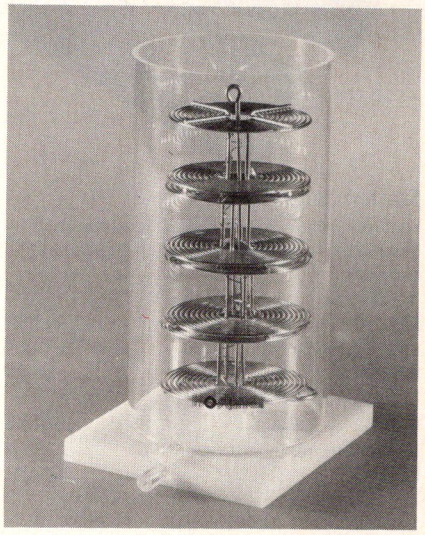
4 x 5/5 x 7 Washer – capacity 15-4" x 5" or 12-5" x 7" hangers **KS3000** **$65.00**

8 x 10 Washer – capacity 12-8 x 10" hangers
KS3005 ..... **$90.00**

Kostiner Pre-Rinse Tray

This oversized, 16" x 20", pre-rinse or holding tray is an ideal accessory to any darkroom, and can double as an efficient R/C, color, or Cibachrome print washer. Prints are not allowed to stick to the bottom of the tray, while the top print will not go dry from floating on the water's surface.

KS3050 ..... **$117.95**

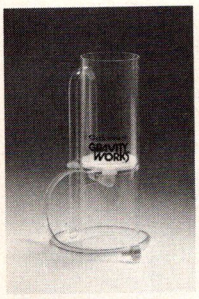


Kostiner Frusto-Conical Negative Washers

Designed specifically for roll film. Its large 4 3/16" inner diameter accepts, 35mm, 120 and 220 reels of stainless steel or plastic. The Frusto-Conical water dispersion system provides perfect water distribution with the correct amount of agitation over the entire negative surface. Hose included.

7" Tall Frusto-Conical Washer
KS4000 ..... **$29.50**

13" Tall Frusto-Conical Washer
KS4200 ..... **$45.00**

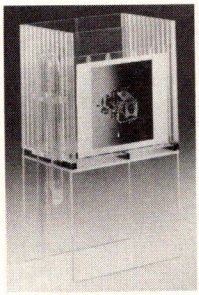


Calumet/Gravity Works Multi-Format Film Washers—

These unique units efficiently wash 35mm, 120mm and 4 x 5 sheet film *(see below)* quicker and more effectively because of their "auto-fill and dump" method of operation. Their built-in siphon-action provides a complete exchange of water every 60 seconds at 1 g.p.m. – reducing wet-time by more than 50% and tempered water consumption by over 80%. Their oversized round design accepts all reels, including Jobo roll and sheet film reels, and HP Combi Plan T sheet film racks. Solid acrylic construction features a LIFETIME WARRANTY.

8″ Multi-Format Film Washer
Accepts 4-35mm, 3-120mm or 2-Jobo 4 x 5 reels.
GW3000 ..... **$59.95**

16″ Multi-Format Film Washer
Accepts 8-35mm, 6-120mm or 4-Jobo 4 x 5 reels.
GW3005 ..... **$89.95**



Calumet/Gravity Works Multi-Purpose Washer—

The first washers designed for Film, RC prints and CIBACHROME. These rapid "fill and dump" washers assure archival cleansing of all sheet film, resin-coated print and CIBACHROME materials. Because of the complete exchange of water every 1-2 minutes (depending upon the unit size) at 1 g.p.m. (except the 16 x 20, which is at 2 g.p.m.), wet time is kept to a minimum – conserving both your precious time and water. These washers feature removeable ribbed divider panels designed so that paper or film gets full circulation of clean water on both sides. Dividers are also designed to lift materials out of the washers, insuring extra protection to these delicate materials. Solid acrylic construction is both easy to maintain and provides years of dependable service – so dependable in fact that these quality washers offer a LIFETIME GUARANTEE.

ASL85 8 x 10 Multi-Purpose Washer
Accepts up to 12-8 x 10's and 24-4 x 5's or 5 x 7's. Washes in 1½ min. cycles.
GW3010 ..... **$275.00**

AFW85 8 x 10½ Multi-Purpose Washer
Accepts up to 6-8 x 10's, 12-4 x 5 or 5 x 7's, 12-35mm, 8-120mm, 6-8 x 10 hangers or 12-4 x 5 hangers. (1½ min. cycles)
GW3020 ..... **$195.00**

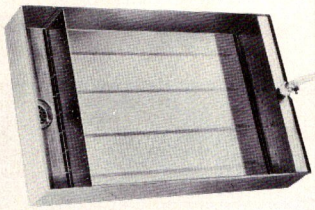
AFW162 16 x 20 Multi-Purpose Washer
Accepts up to 4-16 x 20's, 8-11 x 14's or 8-8 x 10's. (2 min. cycles)
GW3030 ..... **$350.00**

Large Capacity Film Washers

These washers are the same basic design as the Multi-Purpose Washers, but without the print divider panels.

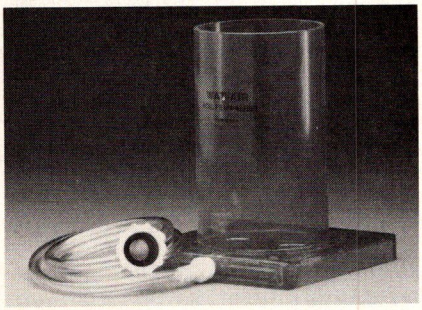
ASL81 8 x 10 Washer
Accepts current Calumet 3½ gal. sink line basket, 24-35mm reels, 16-120mm reels, 12-8 x 10 or 5 x 7 hangers or 24-4 x 5 hangers. (1½ min. cycles)
GW3015 ..... **$195.00**

AFW81 8 x 10 ½ Washer
Accepts up to 12-35mm reels, 8-120mm reels, 6-8 x 10 or 5 x 7 hangers or 12-4 x 5 hangers. (1½ min. cycles)
GW3025 ..... **$125.00**



16 x 20 Rapid Print Washer

Excellent for RC papers. Accepts up to ten 16 x 20 prints. Stainless steel construction with 1½″ bottom sink drain. Includes 3′ intake hose. **AK0210** **$179.95**

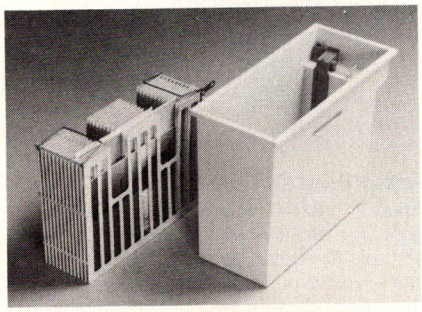


Wat-Air Film Washers

#435 4-35mm reels (or 2-120)
PF8310 ..... **$26.95**
#835 8-35mm reels (or 4-120)
PF8312 ..... **$34.95**

Premier Aqua/Vac Washers

Aqua/Vac for 5-35mm Reels or Equivalent
DN1000 ..... **$29.95**
Aqua/Vac for 10-35mm Reels or Equivalent
DN1500 ..... **$39.95**

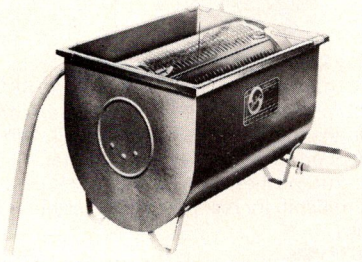


Paterson Auto Print Washer

Will wash up to 12-8″ x 10″ prints, 24-5″ x 7″'s, and 48-4″ x 5″ prints. Supplied with standard tap connector.
PA1000 ..... **$99.95**

Paterson 11 x 14 Print Washer

Maximum print capacity: 12-11 x 14's, 24-8 x 10's or 48-4 x 5's
PA1015 ..... **$179.95**



Arkay Loadmaster Print Washer

100% stainless steel with brass fittings. Bottom hose for self draining into sink. Size: 19⅜″ x 15″ x 13.″ One gal. per min. 6 changes per hour. Accepts 75-8 x 10's.
AK0200 ..... **$279.95**



Calumet Automatic Print Washer

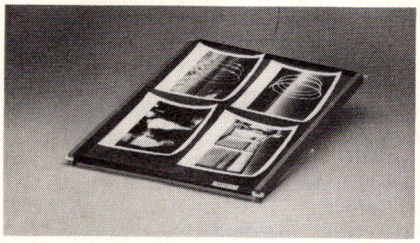
The combined air, wave and hydraulic jet action washes prints in 25 to 45 minutes. Up to 125-8″ x 10″ prints may be washed at one time.

- ½″ water inlet with automatic 2 gal. per min. flow control valve.
- 120V, 60-cycle gear reduction motor.
- 1½″ I.P.S. stainless steel drain fitting.
- Total height from floor is 37½″. Outside dimensions are 28″ x 34″.

Model 515 Automatic Print Washer
AK9100 ..... **$1195.00**

Kodak Automatic Tray Siphon

Converts ordinary tray into print washer. Clips over the lip of your tray to provide water flow across top surface. Supplied with faucet connector and 3′ of ⅜″ rubber tubing.
KK9473 ..... **$27.95**

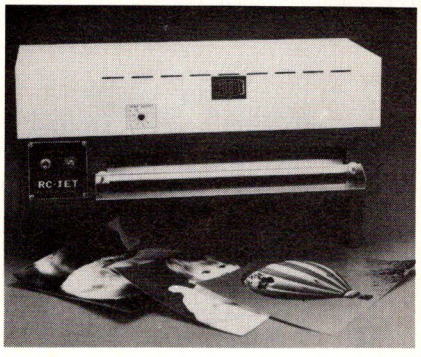


Kostiner Collapsible Print Drying Screen

The Kostiner Fiber Glass Drying Screens are fully collapsible to eliminate the need to permanently tie up precious working space. The screens easily snap together to form a rigid fiber glass drying screen and, when assembled, are self stacking. After use, simply collapse the frame.

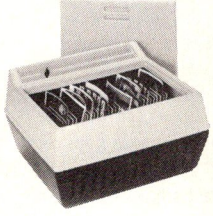
PS-24 Kostiner Drying Screen-Holds up to 4 (8 x 10's), 2 (11 x 14's) or 1 (16 x 20).
KS8000 ..... **$20.95**

PS-36 Kostiner Drying Screen-Holds up to 9 (8 x 10's), 6 (11 x 14's), 2 (16 x 20's) or 1 (20 x 24).
KS8005 ..... **$31.95**



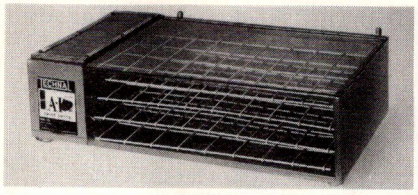
Jobo RC-Jet Print Dryer

This tabletop roller print dryer will dry up to 160-5" x 7" prints per hour. The RC-Jet features steel construction, temperature control and a built-in print wiper. The RC-Jet is 20"(W) x 11"(H) x 6½"(D), with a 13" maximum print capacity.
JB6040 ..... **$499.95**



Model 30/D Print Dryer

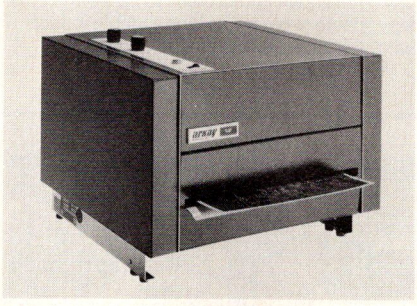
This perfect companion to the Model 2/30 processor dries up to thirty 8 x 10 RC prints at a time. Includes three axial fans and heaters, and a thirty minute timer. It also dries a pair of Model 2/30 baskets right along with the prints.
RL1010 ..... **$445.00**



Bogen A-1 RC Print Dryer

Color and black and white resin coated prints can be dried in as little as four minutes time by a gentle stream of filtered, heated air. Four plastic coated steel racks will accept up to eight 8" x 10" or four 11" x 14" prints. This compact dryer is 23" x 14" x 6½" and weighs only 21 lbs. Power consumption is 650w.
BG5182 ..... **$219.95**

Accessory Film Drying Racks
Convert A-1 print dryer into a film dryer which will hold up to 6-35mm or 120 stainless steel reels and will also dry sheet film up to 4" x 5". Five-piece kit comes with holder, two reel racks, and two rods.
BG5180 ..... **$21.95**

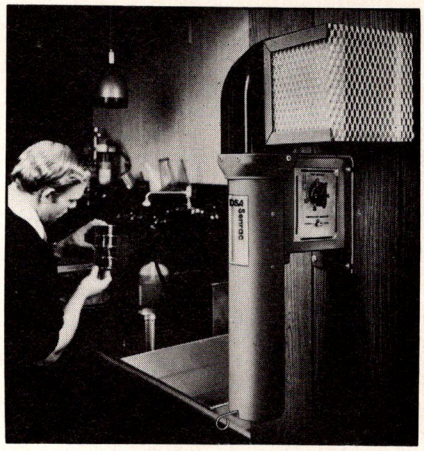


Arkay Print Dryers

Arkay RC1100—This new table top "RC" print dryer features adjustable speed and heat controls. Dryer handles up to 300-8 x 10 black and white RC prints per hour. Accepts sheets from 3" to 12" wide. Fits on standard table, measures 17" x 17" x 13" (add 14¾" to depth for rear print tray.) Weight: 49 lbs.
AK0315 ..... **$649.00**



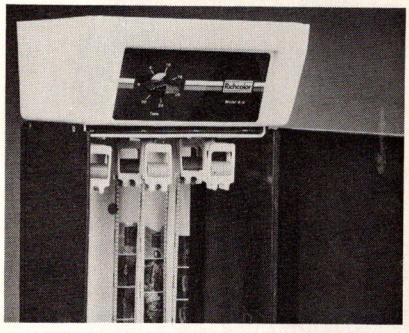
Arkay RC2100—Variable speed "RC" print dryer has capacity to handle 600-8 x 10 B&W prints per hour. Will also dry stabilization and diffusion transfer (print type) materials. Will accept prints up to 20" wide. All metal construction measures 26" x 17" x 13" (add 25" to depth for rear print tray) Weight: 78 lbs.
AK0313 ..... **$995.00**
Arkay Dual Dri 150 Conventional fiber base paper dryer with 22" wide chrome plated stainless steel drum.
AK0300 ..... **$1250.00**



DSA/Senrac Film Dryer

The DSA/Senrac dries roll film right on your stainless steel processing reels in 2 minutes. Filtered, temperature controlled air sweeps film dry without dust or drying marks.

Features built-in 10 min. timer with bell, warm or cool switch with internal thermostat, corrosion resistant construction with washable filter, weight 18 lbs., height 24", 115 volts, 615 watts with 8' power cord, capacity 3-120mm or 5-35mm reels or combination up to 8½". Includes wall mount.
FD3500 ..... **$309.95**
Replacement Filter for DSA film dryer.
FD3510 ..... **$6.50**



Richcolor Model 6/D Film Dryer

This rigid ABS plastic cabinet mounts solidly to the wall, and provides easy access to your film. Tall enough to hang 36 exposure film full length, it also features an axial fan, heater, air filter, 30 minute timer, built in film clips and weights for six rolls of film.
RL1040 ..... **$445.00**

Jobo Mistral 2 Film Dryer

Dry up to eight rolls of 35mm film at one time. Features three settings to assure correct drying. The film dryer can be hung almost anywhere, and requires minimum space.
JB8000 ..... **$269.95**

Jobo Mistral 2 Sheet Film Cabinet

Installs to Mistral 2 Film Dryer and has the capacity to handle up to 64 - 4 x 5's, 28 - 5 x 7's and 20 - 8 x 10's.
JB8010 ..... **$149.95**

Calumet Drying Cabinets

These industrial grade dryers can be used to dry roll or sheet film, as well as RC or fiberbased prints with optional racks (as shown below). Utilizing controlled, filtered warm air, materials are dried efficiently and effectively in a dust-free environment. Easily replaceable furnace filters, either 16" x 20" or 8" x 16", are readily available thru most hardware stores. All units feature timers, infinite heat control, safety thermostat, filter condition meter and power switch. Also standard are heavy-duty, powerful fans, bottom drip pan, four built-in bracket sets which hold eight rods (included) that hold most roll film clips directly and cut film on standard hangers. All units are 115 volts and require 15 amp circuits.



Calumet Full-Size Drying Cabinets (MFD-1 and WFD-1)

This industry standard is ideal for high volume, in-house labs where efficiency and quality are crucial. Will dry up to 80 rolls of 36 exposure 35mm, 60 rolls of 120mm film, sheet film up to 20" x 24" and prints up to 16" x 20" (with optional drying racks). Its outside dimensions are 24" (w) x 24" (d) x 78" (h). Available in either metal or handsome oak grain plastic laminated wood.

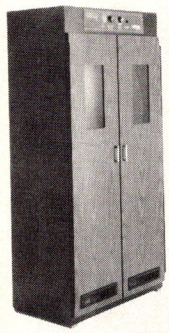
Full-Size Metal Drying Cabinet (MFD-1)
AY0451 ..... **$895.00**

Print Racks for Full-Size Metal Cabinet (set of four)
AY0453 ..... **$47.95**

Full-Size Wood Drying Cabinet (WFD-1)
AY0505 ..... **$1190.00**

Print Racks for Full-Size Wood Cabinet (set of four)
AY0510 ..... **$50.00**

Items too large for UPS Surface delivery are marked with a symbol next to the catalog number. Items with this symbol are shipped by truck, Freight Collect.

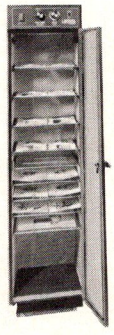


Calumet Jumbo Drying Cabinet (WFD-11)

This extra-large, high capacity drying cabinet features double doors with glass viewing windows, allowing you to inspect the progress of your materials. Cabinet comes in a handsome oak grain plastic laminated wood exterior, with outside dimensions of 36"(W) x 24"(D) x 77"(H). The Jumbo Drying Cabinet will handle up to 120 rolls of 36 exposure 35mm, 90 rolls of 120mm film, sheet film up to 30" x 40" and prints up to 20" x 24" (with optional racks). Ideal for high-volume in-house labs.

AY0515 ..... **$1800.00**

Print Racks for Jumbo Drying Cabinet (set of four)
AY0520 ..... **$60.00**



Calumet Slim Line Drying Cabinet (MFD-4)

This high-capacity extra-slim metal drying cabinet takes up only two square feet of floor space. This space efficient dryer will handle up to 40 rolls of 36 exposure 35mm, 20 rolls of 120mm film, sheet film up to 20" x 24" and prints up to 8" x 10" (with optional racks). Outside dimensions are 12"(W) x 24"(D) x 78"(H). **AY0525** **$890.00**

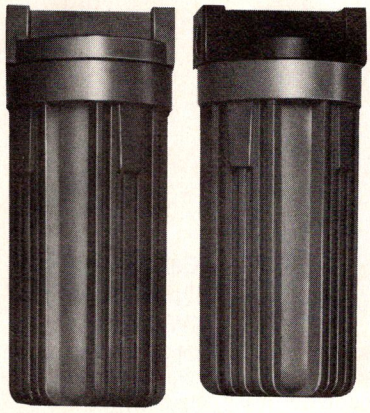
Print Racks for Slim Line Drying Cabinet (set of four)
AY0530 ..... **$40.00**

Calumet Table Top Slim-Line Drying Cabinet (MFD-5)

This space saving metal drying cabinet can either be set on a counter top or placed directly on the floor, allowing you to put shelves above it. Its 12"(W) x 24"(D) x 48"(H) outside dimensions will fit into just about any darkroom environment, and yet will dry up to 40 rolls of 36 exposure 35mm, sheet film up to 16" x 20", and prints up to 8 x 10 (with optional racks).

AY0535 ..... **$760.00**

Print Racks for Table Top Slim-Line Drying Cabinet (set of four)
AY0453 ..... **$47.00**



Calumet Water Filters

Water filter housings made from tough polypropylene with talc filled walls for greater insulation. The cold water filter housing is rated at 125 psi at 125°F; the hot water filter housing is rated at 200 psi at 200°F. Either filter housing can be installed easily on new or existing plumbing. ¾" NPT inlet and outlet.

FCC-10 Filter Housing – For cold water line, 9¾" cartridge included.
AT0100* **$29.95**

FCH-10 Filter Housing – For hot water line. 9¾" cartridge included.
AT0200* **$59.95**

Wall Bracket – Facilitates mounting the filter housing when plastic or flexible tubing are incapable of supporting the water filled housing. **AT0315** **$3.95**
*Plumbing connections required.

Installation Kit – Includes two shut-off valves and compression fittings for quick, easy installation on ¾" pipe, rubber reducers for adaption to ½" pipe, teflon tape and instruction sheet. **AT0320** **$19.95**

Replacement "O" Ring
AT0325 ..... **$1.50**

Replacement Filter Cartridges

S1 Pleated Paper Dirt/Rust - 20 microns for hot and cold water. Removes sand, silt, sludge, rust, scale, algae. Sold in pairs only.
AT0305 ..... **$5.95**

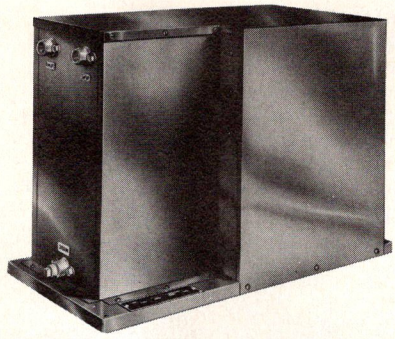
C1 Activated Carbon – 5 microns, for cold water only. Removes foul odors, taste of chlorine, sand, silt, and rust. Sold in pairs only. **AT0310** **$12.95**

P25 Polypropylene Dirt/Rust – 25 microns. Hot or cold, sold in pairs only.
AT0306 ..... **$7.95**

P5 Polypropylene Dirt/Rust – 5 microns. Hot or cold, sold in pairs only.
AT0307 ..... **$7.95**

The above filters are standard 9¾" long, and can be used in most other filter systems.

Items too large for UPS Surface delivery are marked with a symbol next to the catalog number. Items with this symbol are shipped by truck, Freight Collect.

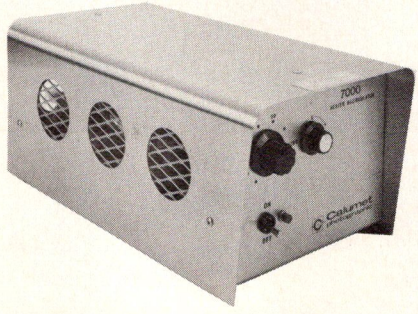


50W Water Chiller

For temperature control devices and processing sinks when tap water rises above processing temperature in the summer. The Calumet Water Chiller will chill the incoming water to 40°F. The hermetically sealed compressor has a 5-year warranty and is lubricated for life. By-pass valves can be used to reduce energy costs in summer and winter. The water cooled condenser requires a drain. **CP9100** **$799.95**

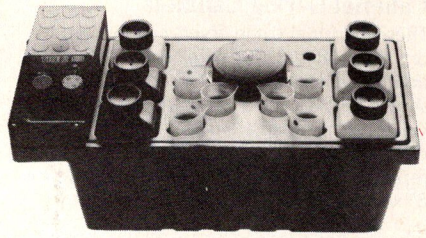
61W Recirculation Unit

Pumps water from sink through a chamber containing both heating and cooling elements. The water is brought to the predetermined temperature and regulated by a precise thermostat to ±½°F. Tempered water is then pumped back to the sink to maintain a constant processing temperature. Temperature settings adjustable from 50°F to 85°F. Air cooled compressor.
CP9110 ..... **$1229.95**



Model 7000 High-Temp Recirculator

Features stainless steel exterior housing, sealless magnetic drive pump and 1000 watt heating element housed in a P.V.C. tank. Temperature range 75° to 115°F with ±¼°F accuracy. Weight: 15 pounds. Dimensions: 6¾" x 8" x 15½".
CP5025 ..... **$395.00**

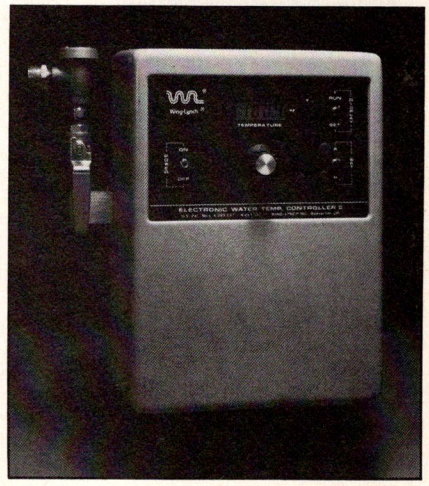


Jobo TBE2 Tempering Box

This unit is ideal for home processing with color materials. Allows you to select working temperatures between 20° and 45°C (68-113°F). Storage capacity is designed for 6-1000 ml bottles and 6-260 ml graduates. Developing tank can also be submerged to control its temperature. Dimensions: 10" (H) x 24" (L) x 12" (W). TBE2 comes complete with four 1000 ml white bottles, two 100 ml black bottles and six 260 ml color-coded graduates.
JB2060 ..... **$229.95**

Jobo TBE-12 Tempering Box

This tempering box will store and temper up to 12-one liter bottles of processing solutions. Ideally suited for use with CPE-2, CPA-2, CPP-2 and the AutoLab-1, as well as other manual film and print processing. Temperature range: 68 to 113°F. Tempering accurate to within 0.2°C or 0.36°F. Includes 12-one liter bottles.
JB2065 ..... **$239.95**



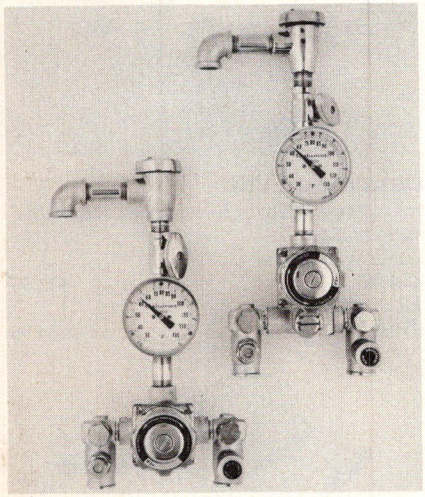
Wing-Lynch Electronic Water Temperature Controller

Delivers contamination-free water at temperatures varying no more than 0.2°F over an operating range of 60°F to 110°F, and at flow rates from 0.2 to 4 GPM. Electronic sensors respond instantly to temperature changes in incoming water and activate a unique blending system that pulses in the exact amount of hot and cold water needed, unaffected by changes in incoming water pressure or temperature.
WL1000 ..... **$850.00**

to order call toll free
1-800-CALUMET
1-800-225-8638

Prices are subject to change without notice.

Calumet Water Temperature Control Valves*

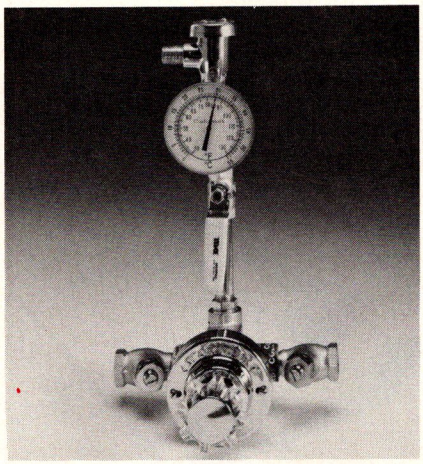


WR and WRP Series Valves
Eliminate time consuming adjustments in mixing hot and cold water for proper temperature. Calumet's temperature controls mix and regulate output temperature and hold it to ½° of the desired setting. They feature an accurate dial thermometer and a thermostatic motor. Each temperature control includes thermostatic valve, plumbing fittings, flow control valve, shut-off valve, check stops with strainers, indicating thermometer with recalibration screw setting and vacuum breaker. WRP valves also include a pressure equalizing chamber which maintains equal pressure to the thermostatic section regardless of incoming pressure changes.

WR-1 Temp. Control Valve, ½-2½ GPM
CP0502 ..... **$349.95**
WR-2 Temp. Control Valve 2-7 GPM
CP0505 ..... **$339.95**
WR-4 Temp. Control Valve 7-12 GPM
CP0506 ..... **$358.95**
WRP-1 Temp. & Press. Control Valve, ½-2½ GPM **CP0602** **$379.95**
WRP-2 Temp. & Press. Control Valve, 2-7 GPM **CP0607** **$379.95**

Calumet Valve Repair Kits For WR/WRP Valves
Everything necessary to restore thermostatic valves back to like-new condition.

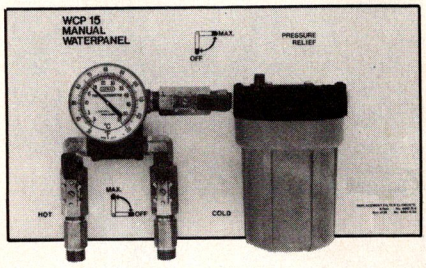
W-97-2 Repair kit for WRP-1
LL0602 ..... **$174.95**
W-97-4 Repair kit for WRP-2
LL0603 ..... **$174.95**
W-99-2 Repair kit for WR-1
LL0502 ..... **$134.95**
W-99-4 Repair kit for WR-2
LL0503 ..... **$134.95**
W-99-12 Repair kit for WR-4
LL0506 ..... **$134.95**



WER-2 Temp Valve
Calumet's incredibly affordable WER-2 temperature control valve brings temperature control to every darkroom that requires optimum thermostatic water mixing for the finest quality film and print processing. The WER-2 features heavy-duty construction, large dial thermometer calibrated in both Fahrenheit and Celsius, tempered water flow control, accuracy of ±½°F at normal flow rate, flow rated at 1-4 G.P.M. ½" N.P.T. hot and cold water inlets, ⅜" N.P.T. tempered water outlet and ⅜" vacuum breaker.
CP0501* **$249.95**

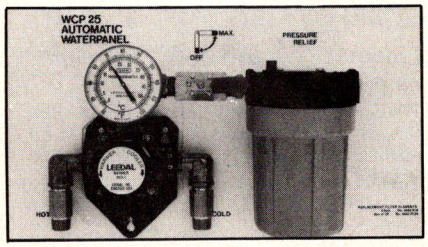
*Plumbing connections required.

Temperature Control Panels



The WCP 15 panel provides economical temperature control. It features separate hot and cold water adjustment valves for temperature mixing, preplumbed 3" dial thermometer, flow control valve, ½" N.P.T. inlet connections, ¾" garden hose outlet connection, and a 30 micron reuseable water filter. The unit is supplied on a convenient to mount wall panel. Accessories include optional vacuum breaker and spray hose which require user installation.

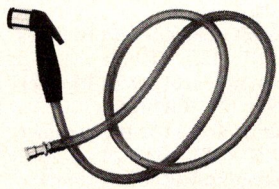
WCP 15 Temperature Control Panel
AY0434* **$159.95**
Replacement Water Filter Cartridge, Sold in Sets of Four Only **AY0439** **$18.00**



The WCP 25 provides a thermostatic mixing valve for accurate temperature control. It features preplumbed mixing valve, 3" dial thermometer, flow control valve, ½" N.P.T. inlet connections, ¾" garden hose outlet connection, hot and cold water check valves, and a 30 micron reuseable water filter. This unit maintains plus or minus ½ degree accuracy at normal flow rates of 1 to 5 G.P.M. The WCP 25 is supplied on a convenient to mount wall panel. Accessories include an optional vacuum breaker and spray hose which require user installation.

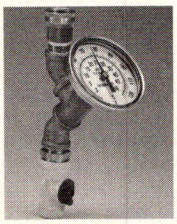
WCP 25 Temperature Control Panel
AY0435* **$319.95**
Replacement Water Filter Cartridge, Sold in Sets of Four Only **AY0439** **$18.00**

Accessories for WCP Valves



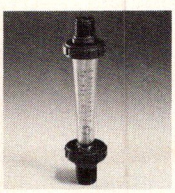
Optional Hose and Spray Unit w/shutoff.
AY0433 ..... **$33.95**
Optional Vacuum Breaker With Fittings (partially assembled)
AY0438 ..... **$21.95**

Water Temp II

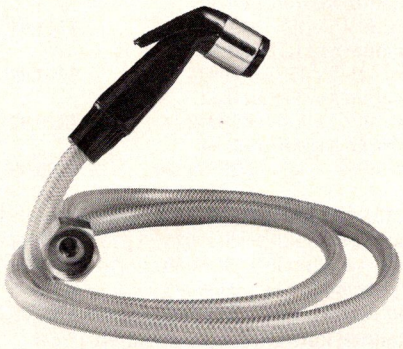


Water control center, 3" thermometer, garden hose thread at both ends and a built-in shut-off valve, which lets you maintain your water temperature mix. 1-year limited warranty.
DT2021 ..... **$39.95**

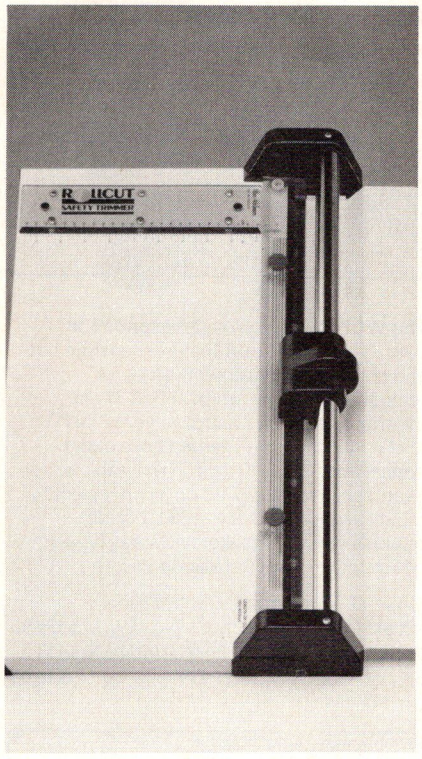
Flowmeter I



Accurately measures .5 to 5 GPM of water. High performance rated to 240°F/250 PSI. Saves water, pays for itself.
DT2030 ..... **$44.95**



Spray Set I
This sprayer attaches directly to any garden hose fitting. Makes clean-up after a darkroom session easier.
DT2015 ..... **$21.95**



Calumet Rollcut Safety Trimmers

When it comes to clean, accurate and safe cuts, these quality-crafted Calumet Trimmers are a cut above the competition. High-grade materials and solid construction combine to provide years of dependable, daily use - with 5-Years Guaranteed! The Rollcuts attractive white melamine-faced, high density baseboard offers a clean, smooth work surface which features highly legible reference markings scaled in inches and millimeters, and non-skid feet. Great care is given to insure accurate installation of the clear acrylic paper guide at 90° to the cutting edge. But the real joy comes when you make your first cut. That's when you can actually feel and see the quality-difference. The cutting wheel, which is safely enclosed in a comfortable handle, is made of high-speed carbon steel specially hardened and precision ground for a true and smooth cut. The counterblade is hardened to 45 Rockwell for an exceptionally long life. The Rollcut's hold-down bar is clear plastic and features reference key-lines for unquestionably accurate cuts. A removable cuttings tray is provided for quick cleanup (note: tray adds 2½" to short dimension of trimmer). The Calumet Rollcut Safety Trimmers are available in six sizes.

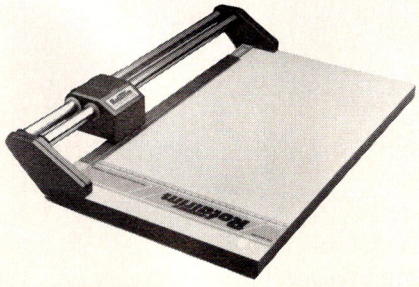
12" Calumet Rollcut Safety Trimmer
Dim.: 19¾" x 12" **CR1012** **$119.95**
18" Calumet Rollcut Safety Trimmer
Dim.: 25" x 12" **CR1018** **$129.95**
24" Calumet Rollcut Safety Trimmer
Dim.: 31¾" x 12" **CR1024** **$149.95**
36" Calumet Rollcut Safety Trimmer
Dim. 42¾" x 12" **CR1036** **$199.95**
48" Calumet Rollcut Safety Trimmer
Dim. 56½" x 12" **CR1048** **$299.95**
60" Calumet Rollcut Safety Trimmer
Dim. 67¼" x 12" **CR1060** **$349.95**

Calumet Straight Edge

Cut mount board with assured accuracy and safety with this quality straight edge. Features a 1.5cm wooden finger guard, a non-slip foam strip on the underside to prevent slippage and a stainless steel blade set into a wooden molding. To be used with any sharp cutting knife or scalpel. Available in two sizes.

24" Calumet Straight Edge
CR3024 ..... **$29.95**

39" Calumet Straight Edge
CR3039 ..... **$39.95**



Rotatrim MasterCut II

These professional quality rotary trimmers include a safe, enclosed cutting wheel mounted on nylon bearings, a long-life, self-sharpening tungsten steel rotary cutting blade, a double-rail carriage track for optimum cutting accuracy, clear plastic clamp bar with loading lip, and a full-laminated, non-skid, 12" wide, 1" thick, photo-gray baseboard.

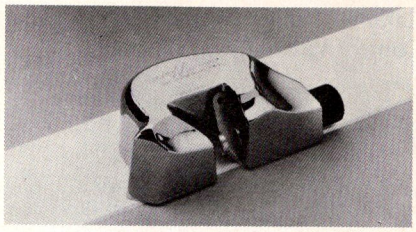
Rotatrim MasterCut II 12"
dim. 17½" x 15" **SO8912** **$131.95**
Rotatrim MasterCut II 15"
dim. 21½" x 15" **SO8915** **$149.95**
Rotatrim MasterCut II 17½"
dim. 24" x 15" **SO8917** **$161.95**
Rotatrim MasterCut II 24"
dim. 30½" x 15" **SO8924** **$184.95**
Rotatrim MasterCut II 30"
dim. 36½" x 15" **SO8930** **$241.95**
Rotatrim MasterCut II 36"
dim. 42½" x 15" **SO8936** **$291.95**
Rotatrim MasterCut II 42"
dim. 48½" x 15" **SO8942** **$329.95**
Rotatrim MasterCut II 54"
dim. 60½" x 15" **SO8954** **$399.95**

Rotatrim MasterCut II Accessories

Floor Stand for 30" **SO9075** **$179.95**
Floor Stand for 36" **SO9080** **$179.95**
Floor Stand for 42" **SO9085** **$179.95**
Floor Stand for 54" **SO9090** **$189.95**

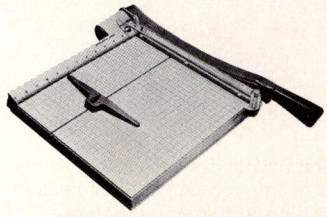
Extension Rule-assists cutting material larger than baseboard
24" **SO8975** **$84.95**
36" **SO8980** **$89.95**

Side Guide-mounts on the baseboard allowing repeatable cuts.
SO8970 ..... **$19.95**



Dexter Mat Cutter

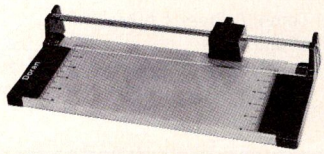
For cutting straight or bevel edges. Adjustable angle or depth.
Cutter w/5 blades
KT0300 ..... **$13.95**
Set of 3 blades
KT0301 ..... **$1.95**



Premier Deluxe Trimmers

One piece molded Styrene body won't warp or crack. Features adjustable cutting guide, transparent cutting guard, balanced blade arm which won't fall shut, and hardened, ground steel blade. Ruled table and graduated ruler for precise, square cutting.

Doran 10" Deluxe Trimmer.
DN4000 ..... **$25.95**
Doran 12" Deluxe Trimmer
DN4005 ..... **$32.95**
Doran 15" Deluxe Trimmer
DN4010 ..... **$47.95**
Doran 18" Deluxe Trimmer
DN4015 ..... **$59.95**
Doran 24" Deluxe Trimmer
DN4020 ..... **$89.95**



Premier Rotary Trimmers

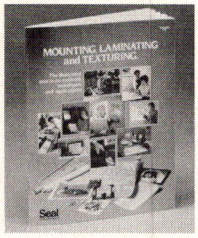
Compact design and economical price. Features completely shielded; self-sharpening steel cutting blade, steel working surface with two 90° calibrated edge supports, and transparent clamping plate for careful alignment and firm placement of material.

Doran 12" Rotary Trimmer – with 12½" cutting length. Dimensions: 16½" x 7½" x 2".
DN4050 ..... **$28.95**
Doran 18" Rotary Trimmer – with 18" cutting length. Dimensions: 22¼" x 7½" x 2".
DN4060 ..... **$49.95**

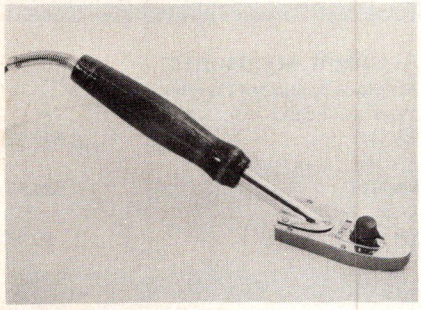
COMPETITIVE PRICES

Seal adhesives are also available in long rolls. Call your technical sales representative (1-800-CALUMET) for details.

"Mounting, Laminating and Texturing": The Illustrated source on methods, techniques and applications.

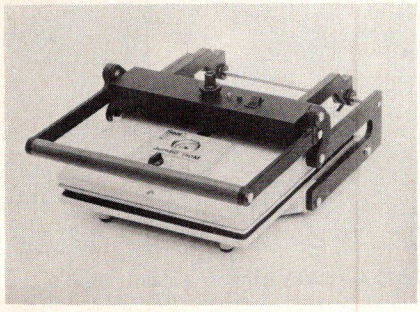


This 90-page book by Seal Products Inc. is the ultimate resource guide for dry mounting, laminating and print texturing. Areas covered include mounting systems; dry, wet, pressure sensitive and spray mounting; how to mount all types of photographic material as well as posters, thin and textured papers, coarse fabrics and more; creative laminating applications; and equipment maintenance. This is a must source book for labs and individual darkroom users.
SA1000 ..... **$11.95**



Sealecter Tacking Iron

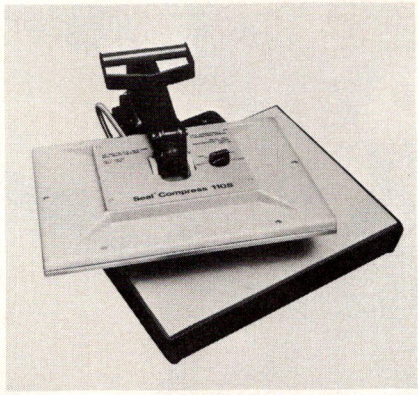
A must for professional, precision mounting. Tacks artwork into position so it won't shift in the press. Equipped with thermostatic control and Teflon coated shoe. 115 volts. UL Listed. **SA8900** **$31.95**



Seal Jumbo 160M

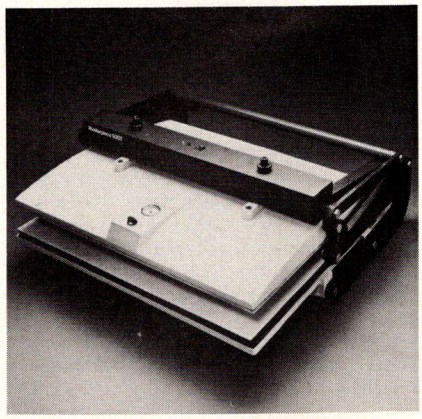
Good, affordable intermediate sized press. Platen measures 18½" x 15½". Handles larger work in sections up to 36" wide by any length. Contains built-in thermometer. Consumes 8.7 amps, 1000 watt heater, and weighs 62 lbs.
SA8816 ..... **$409.95**

Items too large for UPS Surface delivery are marked with a symbol next to the catalog number. Items with this symbol are shipped by truck, Freight Collect.



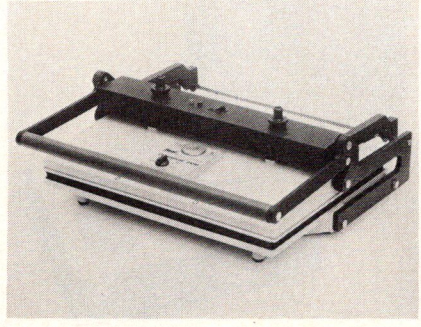
Seal Swing Arm 110S

This moderately priced "starter press" features a 12" x 15" platen which conveniently swings out of the way for easy access to work area. Mounts work sectionally up to 24" by any length. 10 amp, 850 watts, and weighs 38 lbs.
SA8811 ..... **$259.95**



Seal Masterpiece 500T

Features a large 26" x 34" platen which handles work in sections up to 52" by any length. Mounts large posters and prints easily. Consumes 15 amps, 1700 watt heater with thermometer, and weighs 265 lbs.
SA8850 ..... **$1149.95**



Seal Commercial 210M

Smaller version of the Masterpiece, this is a good general purpose press for daily usage. Features an 18½" x 23" platen which handles work in sections up to 36" wide by any length. Consumes 11.3 amps, 1300 watt heater with temperature meter, and weighs 80 lbs.
SA8821 ..... **$559.95**

Seal Release Paper

Special silicone treated paper that is essential to protecting your platen and your work. Can be used over and over again.
Roll 26" x 5 yds. **SA8790** **$11.95**
Roll 26" x 20 yds. **SA8791** **$29.95**

Seal Fusion 4000 Adhesive

One step permanent dry mounting adhesive for mounting to all boards and materials. Neutral pH balance protects prints.
100 sheet pkgs.
8" x 10" **SA8770** **$15.95**
11" x 14" **SA8771** **$29.95**
16" x 20" **SA8773** **$59.95**

Archival Dry Mount Tissue

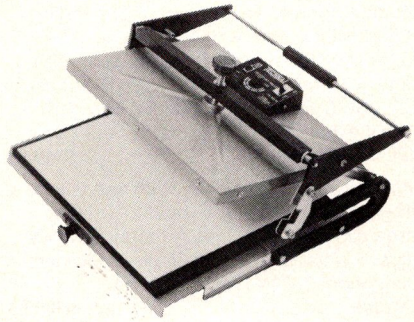
Formulated for archival quality dry mounting applications. Recommended temperature range 175 to 200°.
8 x 10 100 **SA1011** **$15.95**
11 x 14 100 **SA1012** **$31.95**
16 x 20 100 **SA1013** **$59.95**

Colormount Dry Mount Tissue

Formulated for resin coated color and black & white photographic paper. Recommended temperature 205°.
8 x 10 100 **SA1031** **$13.95**
11 x 14 100 **SA1032** **$24.95**
16 x 20 100 **SA1033** **$54.95**

MT-5 Dry Mount Tissue

Formulated for fiber based photographic paper. Recommended temperature 225°.
8 x 10 100 **SA1051** **$11.95**
11 x 14 100 **SA1052** **$22.95**
16 x 20 100 **SA1053** **$43.95**



Bogen Technal 510

Mounts 11" x 14" prints on 16" x 20" board in one operation. Open on 3 sides with 12" x 15" heating platen, provides thermostatically controlled temperatures from 180° to 325°F.
BG7110 ..... **$269.95**

Bogen Technal 560

Features a sliding bed for easier positioning of your materials. Its oversized yoke opens on three sides to permit mounting 16" x 20" prints on 20" x 24" boards in one operation, while work up to 36" wide can be handled in sections. Temperature ranges from 180° to 325°. Platen measures 18½" x 22½".
BG7121 ..... **$499.95**

Acculight Modular Viewing And Storage System

This new slide storage/retrieval system provides a modular design which can be arranged in a variety of ways to meet your present and future needs. Components include a color-correct Acculight viewer for sorting and viewing, four drawer file with inserts, lateral file designed to accommodate up to 100 hanging slide panels and a mobile base or a cabinet base with adjustable shelf. Both bases include 2" ball casters for easy mobility. All components measure 24" W x 18" D and lock-stack together assuring solid support. Finished in an attractive putty beige with walnut vinyl clad trim.



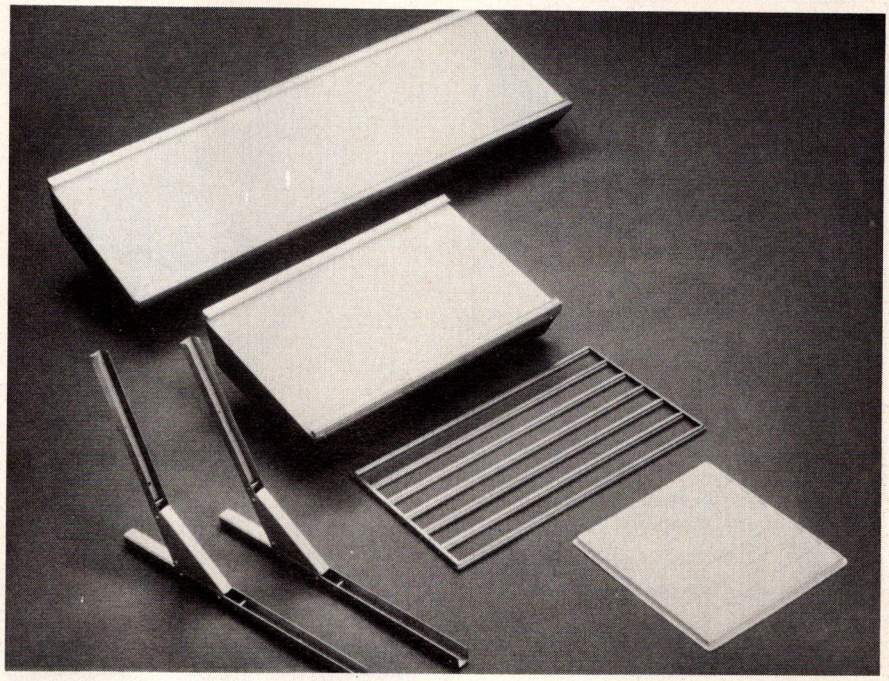
Modular Viewer. Features an ANSI standard 5000°K light source with a CRI rating of 91+, 15° angled, break-resistant frosted plexiglas viewing surface and on-off switch. Electrical 120 VAC 60Hz with 6' grounded line cord. Viewing area 24" x 18". Capacity 96 2 x 2 slides. **KN2000** **$149.95**

Modular Four Drawer File. With inserts for group storage of all types of 2" x 2" slides. Insert capacity 11,200 ready mounts or 5600 glass mounts and includes 56 plastic dividers. Dimensions 24" W x 12" H x 18" D.
KN2005 ..... **$189.95**

Modular Lateral File. Designed to accommodate up to 100 hanging slide panels (capacity 2000 slides). Includes lock and 2 keys.
Dimensions 24" W x 14½" H x 18" D.
KN2010 ..... **$149.95**

Modular Mobile Base with 2" Ball Casters.
KN2015 ..... **$39.95**

Accessory Cutting Surface. Translucent vinyl overlay which actually "heals" itself when scored with a craft knife or razor blade. Protects plexiglas surface from damage. Non-distracting, soft green grid provides a guide for paste-ups, keyline drawing and tracing. Dimensions 24" W x 18" D.
KN2026 ..... **$29.95**



Acculight Viewer/Editor System

View slides and transparencies clearly and conveniently with this special modular system. Features ANSI standard 5000° K light source and CRI rating of 91+ Acculight which meets the strictest color rendition demands of any professional. Also features five mounting positions, double-capacity viewing capabilities with Accuframe, Acculock storage/retrieval overlay and Acculight Sorter/Tray.

4 ft. Acculight Slide and Transparency Viewer/Editor w/5000° K light, CRI rated 91+
KN1000 ..... **$169.95**

2 ft. Acculight Slide and Transparency Viewer/Editor w/5000° K light. CRI rated 91+
KN1020 ..... **$149.95**



Portable Acculight viewer/sorter

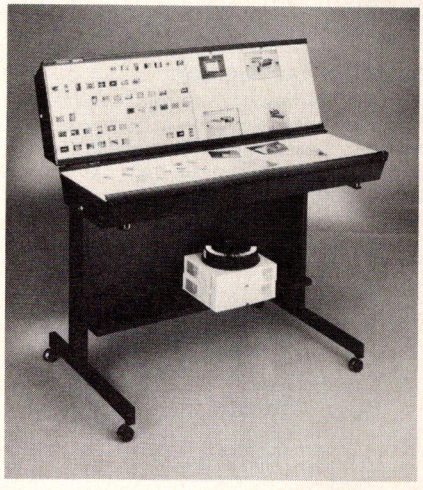
Viewing area is 17 3/16" x 12⅜". Capable of viewing up to 48 2" x 2" slides. 5000° K light. Wt.: 12½ lbs. Complete with protective vinyl cover.
KN1040 ..... **$79.95**

Acculight Accessories

Acculock Spillproof Overlay For 2" x 2" mounts (72 cap.)
KN1015 ..... **$19.95**

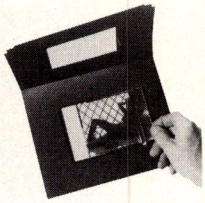
Acculight coupling frame
KN1025 ..... **$24.95**

Sorter Tray
KN1030 ..... **$9.95**



6048 Acculight Stand. This stand will hold one or two 4 ft. Acculights (#6000) and is adjustable for two convenient heights-standing or sitting. All steel construction with baked black enamel finish, and four 2 in. casters (two locking). Overall Dimensions: 42"W x 40¾"H x 28"D. Weight: 40 pounds, UPS Shippable.
KN4000 ..... **$149.95**

Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.



Quik Mount Display Mats

Quik Mount transparency display mats take away the hassle of preparation for viewing.

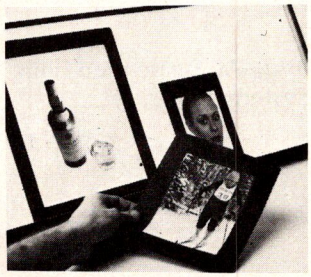
Quik Mounts with fold-over cover mats conceal transparency and polyester pocket edges for a cleaner, crisper presentation. Exclusive corner locking feature gives one-piece look. Inside mat of each Quik Mount has a built-in "pocket" made of durable, optically clear Mylar® film. One side is matte finish to eliminate glare and enhance viewing. Transparencies are completely protected from damage through handling.

Quik Mounts are neat and trim; they greatly enhance the professional appearance of mounted transparencies. Replacement of mounts damaged through stripping and retaping or handling procedures is greatly reduced. Savings in time and file space are significant.

- **No-Glare Viewing**—Matte polyester eliminates need for ground glass or light box.
- **Faster Inserting**—Reduces the inserting of film from 60 to 3 seconds per mount.
- **Less File Space**—50 mounts require only 1 inch of storage space.
- **Reduced Costs and Handling Damage**—Replaces old method of stripping and taping.
- **For display use**—Not archival

Quick Mounts (Black)

Finished Size	Film Size	Catalog No.	Price 100 per pkg.
4 x 5	2¼ x 2¼	**PL3000**	**$34.95**
4 x 5	2¼ x 2¾	**PL3008**	**$34.95**
8 x 10	4 x 5	**PL3004**	**$45.95**

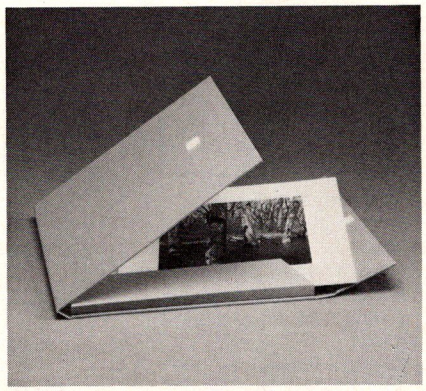


Diatrans Bordered Sleeves

These high quality vinyl transparency sleeves feature wide opaque black borders for a professional look. The back of the sleeve is frosted for even light distribution.

Diatrans 4 x 5 Bordered Sleeve
Package of 10.
MX6500 ..... **$5.95**

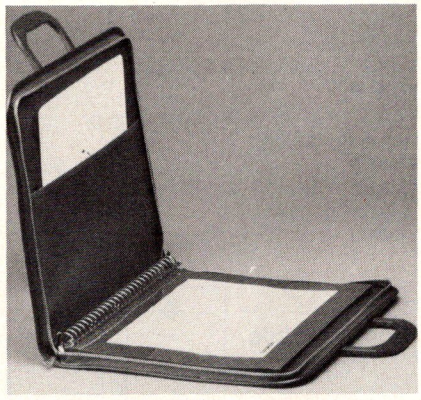
Diatrans 8 x 10 Bordered Sleeve
Package of 10.
MX6520 ..... **$11.95**



Calumet Presentation Print Folio

This archival folio integrates the traditional overflap design with the convenience of a concealed velcro fastener. Beautifully constructed of grey, moisture resistant bookcloth and lined with 100% rag coverweight paper. Its ½" deep design will hold up to 25 unmounted prints.

8" x 10" Presentation Print Folio
CC2050 ..... **$14.95**
11" x 14" Presentation Print Folio
CC2055 ..... **$19.95**
16" x 20" Presentation Print Folio
CC2060 ..... **$28.95**



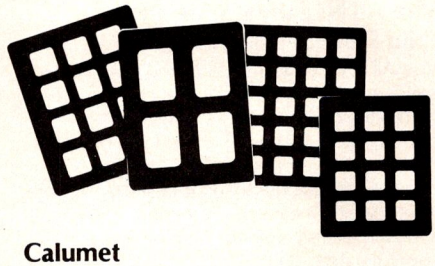
Zipper Portfolio Cases

Constructed with all around metal zipper, 2 full length inside pockets and are available in 2 popular sizes. Includes chrome multi-ring mechanism and 10 print protectors (capacity 20 prints). Case capacity 30 print protectors, 60 prints. Zipper Portfolio inserts available.

Brown zipper portfolio case with bokara bonded leather.
For 8½ x 11" insert.
AR2250 ..... **$29.95**
For 11 x 14 insert.
AR2251 ..... **$39.95**

Zipper Portfolio Inserts
8½ x 11 Pkg of 10 **AR2270** **$3.95**
11 x 14 Pkg of 10 **AR2271** **$6.95**

COMPETITIVE PRICES



Calumet Presentation Mats

These heavy duty transparency presentation mats are an excellent means of presenting your work to clients. Simply slide your transparencies into individual, precision die-cut openings for a clean and professional appearance. Each Mat is finished in flat black and is rigidly constructed of pressed cardboard. Mats are designed to allow easy removal and interchangeability of your transparencies providing years of service. Included with each Mat is a protective plastic cover sleeve with frosted back to guard against dust and finger prints and allow viewing. Masks are provided to crop or block out individual frames.

35mm Presentation Mat-12

Holds 12-35mm mounted slides. Supplied with masks. (11" x 14")
CD1000 ..... **$4.95**

35mm Presentation Mat-20

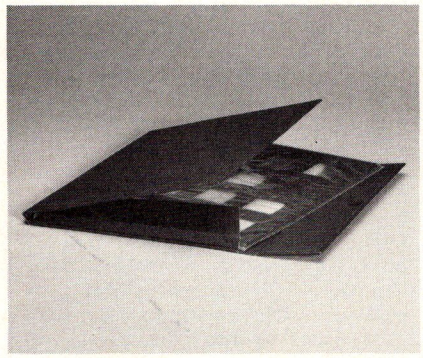
Holds 20-35mm mounted slides. Supplied with masks for horzontal or vertical orientation of slides in the mat. (12" x 16")
CD1010 ..... **$6.95**

2¼" Presentation Mat

Holds 12-2¼ x 2¼ mounted transparencies. Supplied with masks. (12" x 16")
CD1020 ..... **$6.95**

4 x 5 Presentation Mat

Holds four 4 x 5 transparencies. Supplied with masks. (12" x 16")
CD1030 ..... **$6.95**



Calumet Presentation Folio

This custom designed folio will carry up to 5 Presentation Mats for showing off your very best work. Archivally constructed of black linen bookcloth and lined with 100% rag coverweight paper. Overflap is easily secured with a concealed velcro fastener. Outside dimensions: 16¾" x 12½" x ¾".
CC2065 ..... **$21.95**

Vue-All Negative, Slide and Print Storage System

Vue-All "Polyethylene" slide and negative file pages are the most economical choice when it comes to archival quality storage of your photographic images. The acid level is neutral Ph, and they do not contain Plasticizers. Vue-All pages are thinner than other similar storage pages, which means they are more compact and can be easily folded. Page thickness is approximately .008".

Did you know?

Life Insurance for Your Slides

After all the time and effort you put into making your slides and negatives, why take chances when storing them?

Polyvinylchloride, or PVC pages, as they are commonly called, contain plasticizers, solvents and residual catalysts which volatize, or pass off vapors. The greatest damage from these materials occurs when they are in direct contact with photographic materials – especially in high humidity conditions! The results of such contamination are residual buildup on the slides or negatives, or, in extreme instances, spotting of these materials which is irreversible.

Additional damage can occur with the use of heavier, stiff vinyl pages, which can be particularly abrasive. When a page is stiff, it can scratch the delicate emulsion of your negatives when inserting them into the page.

For years, these PVC pages were the standard, replacing glassine, which has a high sulfur content. Manufacturers were unaware of the need for "archival" preservation.

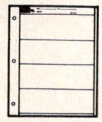
Vue-All pages appear to be the answer to this problem. These clear, flexible polyethylene are archival quality, and do not contain plasticizers, PVC or any other contaminants. Vue-All slide pages are made *without* a frosted back, which cuts down on light transmittance and can alter color values. For those who prefer a slide page with more substance, Vue-All also makes a heavy-duty polyethylene which is completely safe for storage.

Besides all of the other advantages Vue-All pages offer, they are less expensive than any of their competitors. The reason for this is that Vue-All designed its own production equipment, which allows them to produce up to four times as many pages as any other page manufacturer.

Isn't it time to consider the current conditions of your archives? And when you do, consider Vue-All (and a good dehumidifier!) as your best possible life insurance against certain destruction.

Prices are subject to change without notice.

Vue All Negative Storage Pages

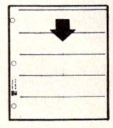
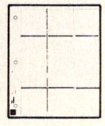

35mm Format – 36 exp.
7 strips/5 frames. pkg. 25
VA1011 ..... **$5.95**
7 strips/5 frames. pkg. 100
VA1012 ..... **$21.95**
*6 strips/6 frames. pkg. 25
VA1001 ..... **$5.95**
*6 strips/6 frames. pkg. 100
VA1002 ..... **$21.95**

120cm Format – 2½" x 2¼"
*3 strips/4 frames. pkg. 25
VA1005 ..... **$5.95**
*3 strips/4 frames. pkg. 100
VA1006 ..... **$21.95**
4 strips/3 frames. pkg. 25
VA1003 ..... **$5.95**
4 strips/3 frames. pkg 100
VA1004 ..... **$21.95**

120 cm Format – 6 x 7 cm
4 strips/3 frame 6 x 7 cm. pkg. 25
VA1007 ..... **$7.50**
4 strips/3 frame 6 x 7 cm. pkg. 100
VA1008 ..... **$24.95**

120 cm Format – 6 x 4.5 cm
4 strips/4 frames 6 x 4.5 cm. pkg. 25
VA1009 ..... **$7.25**
4 strips/4 frames 6 x 4.5 cm. pkg. 100
VA1010 ..... **$20.95**
***4" x 5"** – holds 4 - 4 x 5 negatives or transparencies. pkg. 100
VA2008 ..... **$24.95**
***8 x 10"** – holds 1 - 8 x 10 negative or transparency. pkg. 100
VA2009 ..... **$18.95**

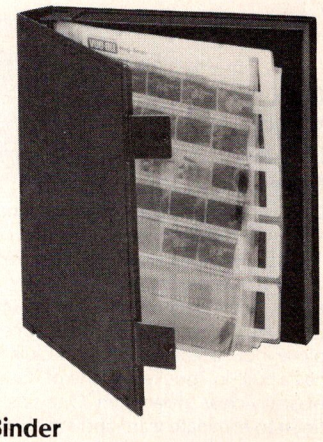
Vue-All Mounted Slide Pages

35mm
Top loaded – holds 20 - 2 x 2 mounted slides. pkg. 25
VA2003 ..... **$7.95**
Top loaded – holds 20 - 2 x 2 mounted slides. pkg. 100
VA2004 ..... **$29.95**
Heavyweight 35mm mounted slide pages. – Top loaded. pkg. 25
VA2001 ..... **$9.95**
Heavyweight 35mm mounted slide pages – Side loaded. pkg. 25
VA2011 ..... **$9.50**

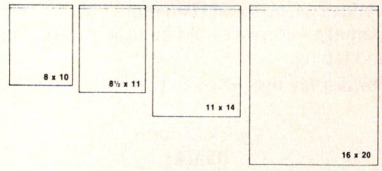
2¼ x 2¼ Mounted Slide Pages
Heavyweight 2¼ x 2¼ mounted slide pages. Top loaded. pkg. 25
VA2007 ..... **$11.95**

Roll-A-File 1,000 ft. Rolls
35mm single strip roll.
VA3001 ..... **$21.95**
120cm single strip roll.
VA3002 ..... **$23.95**



Vue-All Safe-T-Binder

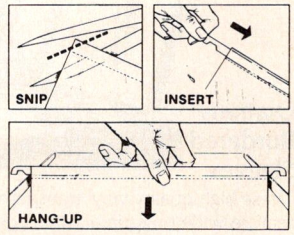
Provides archival protection to your photographic negatives, slides and prints. Unique box construction offers dust and moisture proof storage. Features three 1" metal rings and polyurethane construction. Inside dimensions: 11¾" x 10¼" x 1⅞".
VA4001 ..... **$7.50**
Safe-T-Storage Box – black (without rings)
VA4002 ..... **$7.95**
Safe-T-Binder – 3-ring, oversized (12" x 12" x 2") red binder.
(Note: this is not the box design, but is a standard folding binder)
VA4005 ..... **$10.95**



Archival Print Protectors

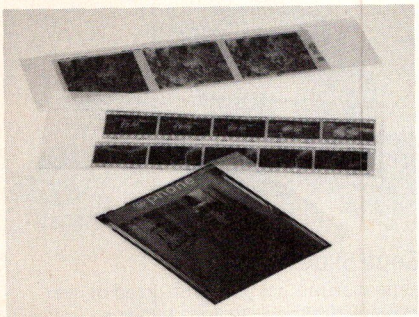
Convenient and safe way to store mounted and unmounted prints.
8 x 10 – pkg. 500 **VA5002** **$64.95**
8½ x 11 – pkg. 500 **VA5003** **$67.95**
11 x 14 – pkg. 200 **VA5004** **$39.95**
16 x 20 – pkg. 200 **VA5005** **$64.95**
20 x 24 – pkg. 200 **VA5006** **$94.95**

*Vue-All Suspended Filing System



Vue-All storage pages designated with an asterisk (*) may be conveniently stored suspended in filing cabinets with these Vue-All spines. These spines are easily inserted into each page.
Vue-All Spines – pkg. 100
VA0900 ..... **$29.95**

Mylar® Sleeves for Archival Storage



Each size has a convenient index area for information relating to location, use or retrieval number.

Film or Print Size	Negs per Sleeve	Catalog No.	Price/ 100 Pkg.
Single 2¼ x 2¼	1	**PL2000**	**$8.95**
Four 2¼ x 2¼	4	**PL2002**	**$19.95**
2¾ x 4½ (Carte de Viste)	1	**PL2004**	**$9.95**
35mm (2 rows of 6)	12	**PL2008**	**$19.95**
4 x 5	1	**PL2018**	**$16.95**
5 x 7	1	**PL2020**	**$23.95**
8 x 10	1	**PL2022**	**$47.95**

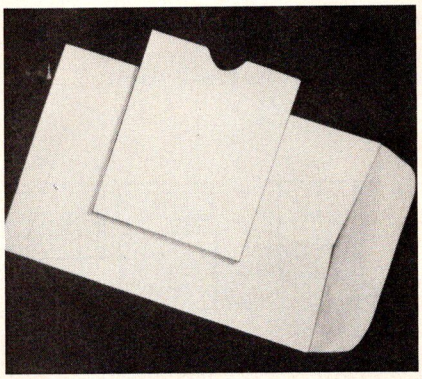
Did you know?

A word about Mylar®

The Mylar® products we sell were developed after consultation with leading photographic conservators. Mylar® polyester film is a flexible, exceptionally strong and durable transparent film. It possesses an unusual balance of properties such as high tensile strength and moisture resistance that make it suitable for many archival applications. Mylar® remains tough and flexible at temperatures from minus 100°F to more than plus 300°F. Its chemical inertness and outstanding surface finish make it a perfect archival storage method.

Mylar® sleeves provide the safest means of negative and transparency storage. Mylar® (polyester), which is chemically inert and contains no plasticizers, is the only film type product approved by the U.S. Bureau of Standards for permanent storage of sensitized products.

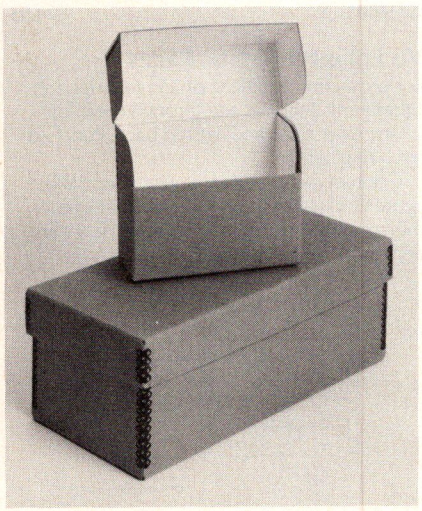
Our sleeves are made with clear Mylar® on the face and matte Mylar® on the back. The matte not only enhances viewing, but prevents ferrotyping. The materials are welded together by ultrasonics – thus preventing any possible contamination from adhesives.



Acid-Free Archival Type Envelopes

Envelopes of chemically purified, long wood fibered paper provide maximum endurance and resistance to tears and abuse. The paper also has been sized with a non-acid substance and a calcium carbonate which provides a most effective shield against acid links and airborne sulphur dioxide. The elimination of acid in our envelopes is another important factor, as witnessed by its slightly alkaline pH of 7.5 minimum to 8.5

Size	Cat. No.	Price per 100
4⅜ x 5⅜	**PL1010**	**$9.95**
8½ x 10½	**PL1020**	**$20.95**



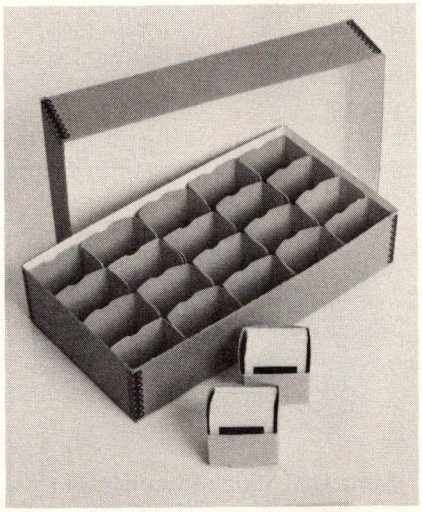
Archival Negative Storage Boxes

4 x 5 negative storage box, hinge top 2½" deep. Size 5¾" x 4¾" x 2½".
HO1150 ..... each **$3.75**

12" deep two piece "shoe box" style storage box for 4 x 5 negatives. Size 12" x 5¾" x 4½". **HO1100** ..... each **$4.75**

8 x 10 negative storage box hinge top 4" deep. Size 10⅝" x 8⅝" x 4".
HO1200 ..... each **$4.95**

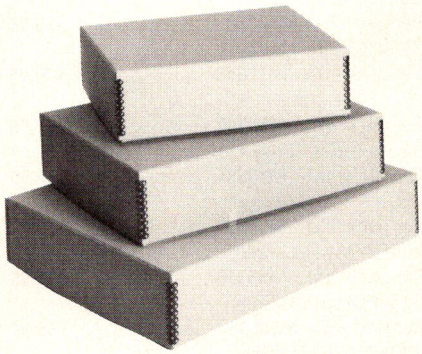
Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.



Archival Slide Box

Two piece construction. Fully telescoping with metal edges. Complete with 20 unassembled die-cut tan slide holders which hold 20-2 x 2 slides each.
HO1000 ..... each **$8.50**

Calumet Archival storage boxes are made of tough .052 all-kraft fiber board with grain direction for utmost strength and joined with a metal edge for exceptional durability and permanent rigidity. To produce this acid free board, special alkaline sizing is used and alkaline buffers (3% calcium carbonate) are added for ultimate longevity. Ph minimum 8.5.



Acid-Free Archival Print Boxes

Two piece drop front construction designed for maximum archival protection of standard size photographs.

10½" x 8½" x 3" for 8 x 10 prints
HO2000 ..... each **$4.75**

12½" x 9½" x 3" for 9 x 12 prints
HO2005 ..... each **$4.95**

15" x 11½" x 3" for 11 x 14 prints
HO2010 ..... each **$5.25**

20½" x 16½" x 3" for 16 x 20 prints
HO2020 ..... each **$7.25**

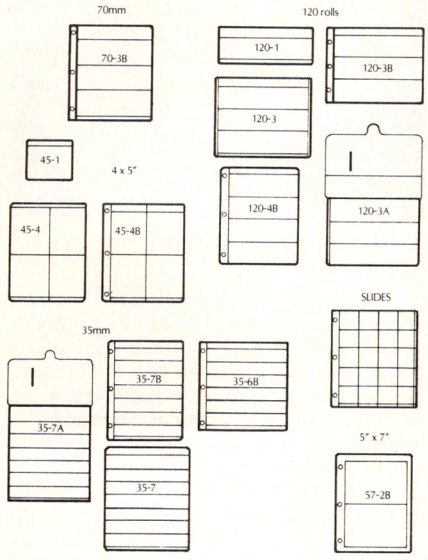
20½" x 16½" x 1½" for 16 x 20 prints
HO2025 ..... each **$5.95**

24½" x 20½" x 3" for 20 x 24 prints
HO2030 ..... each **$7.95**

24½" x 20½" x 1½" for 20 x 24 prints
HO2035 ..... each **$7.50**

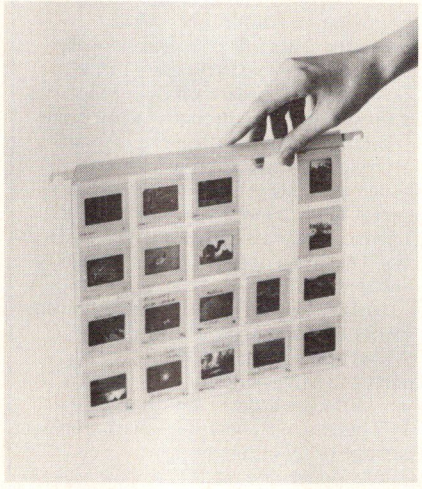
Print File/Negative Preservers

Lets you make contact prints without removing negatives. Page thickness is approximately .005".



35-7 7 strip/sheet.
Per pack 100 **MS8530** **$16.95**
35-7A 7 strip/folder.
Per pack 100 **MS8535** **$29.95**
35-7B 7 strip/3 hole.
Per pack 25 **MS8510** **$5.95**
35-7B 7 strip/3 hole.
Per pack 100 **MS8540** **$19.95**
35-6B 6 strip/3 hole.
Per pack 25 **MS8550** **$5.95**
35-6B 6 strip/3 hole.
Per pack 100 **MS8545** **$19.95**
120-1 single strip.
Per pack 100 **MS8552** **$7.95**
120-3 3 strip/sheet.
Per pack 100 **MS8554** **$16.95**
120-3A 3 strip/folder.
Per pack 100 **MS8556** **$29.95**
120-3B 3 strip/3 hole.
Per pack 100 **MS8558** **$19.95**
120-4B 4 strip/3 hole.
Per pack 25 **MS8515** **$5.95**
120-4B 4 strip/3 hole.
Per pack 100 **MS8560** **$19.95**
45-1 single.
Per pack 100 **MS8564** **$7.95**
45-4 4/sheet.
Per pack 100 **MS8562** **$16.95**
45-4B 4/3 hole.
Per pack 100 **MS8505** **$18.95**
57-2B 2/3 hole.
Per pack 100 **MS8566** **$19.95**
810-1 single.
Per pack 100 **MS8568** **$19.95**
70-3B 3 strip/3 hole.
Per pack 100 **MS8575** **$19.95**
2" x 2" – 20B sides.
Per pack 100 **MS8585** **$24.95**
35-1M roll. 1000' **MS8590** **$21.95**
120-1M roll. 1000' **MS8592** **$24.95**
70-1M roll. 1000' **MS8594** **$29.95**

Special Discount on 50 or more "Hang 20" pages. Save 10%.



VPD "Hang 20" Slide File Pages

VPD's "Hang 20" slide file pages are designed to hang in standard file drawers. They are made of a special, non-plasticized material that provides greater protection and safety for long-term storage of your slides. Unique air-vent pockets let air circulate . . . preserving and protecting your slides from damage that suffocating storage can cause. Top-loading pockets make insertion and removal of slides easier and faster than ever.

Package of 10.
AR3526 ..... **$7.95**



Hama DSR Slide Mounting Unit

This ingenious machine is one of the quickest and most efficient slide mounting systems we have seen. The Hama DSR mounter combines viewing, automatic framing, and cutting into one simple and precise operation. Framing is accomplished without even handling your slides and your film is cut AFTER it is in the DSR Slide mount. Slides are checked with a bright, strong magnifier and illuminator. Complete with 50 DSR glassless slide mounts and holder for Polaroid slide mounts.
PT0100 ..... **$39.95**

Hama DSR Slide Mounts
Pkg. of 100
PT0120 ..... **$4.95**



Gepe Slide Mounts

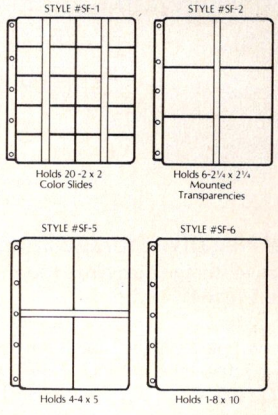
Gepe slide mounts are constructed of heat resistant plastic and feature a unique ventilation system to reduce buckling.

Glassless Gepe 2 x 2 Slide Mounts
24 x 36 (quan. 100)
GM7001 ..... **$6.95**
Glass Gepe 2 x 2 Slide Mounts
24 x 36 (quan. 20)
GM6001 ..... **$4.95**
24 x 36 Anti Newton Glass (quan. 20)
GM6002 ..... **$5.50**
24 x 36 Anti Newton glass and registration pins (quan. 20)
GM6006 ..... **$5.95**
40 x 40 Super size with Anti Newton glass (quan. 20) **GM6901** **$6.50**
2¼ x 2¼ Anti Newton glass (quan. 20)
GM2601 ..... **$9.95**
2¼ x 2¾ Anti Newton glass (quan. 10)
GM2701 ..... **$11.95**
Gepe Binding Press
GM8001 ..... **$29.95**

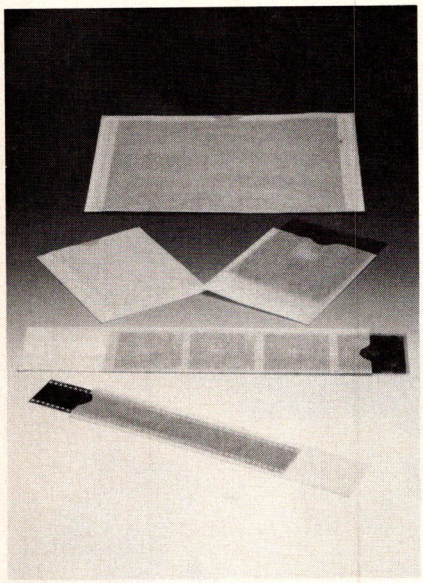
Vis Folio Protection Pages

For protection and filing of 35mm slides and other films. Features see-through durable plastic clear front and frosted back. Punched for 3-ring binders.

Calumet has changed suppliers for these protection pages to provide a higher quality, more consistent product. Vis Folio pages are approximately .018" thick.

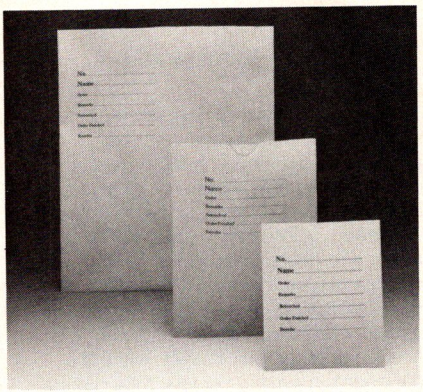


SF-1S holds 20-2 x 2 slides (side loading) per pack of 25 **BR5600** **$11.95**
SF-2 holds 6-2¼ x 2¼ slides per pack of 25
BR5602 ..... **$11.95**
SF-5 holds 4-4 x 5 transparencies per pack of 25 **BR5606** **$11.95**
SF-6 holds 1-8 x 10 per pack of 25
BR5610 ..... **$11.95**



Glassine Envelopes

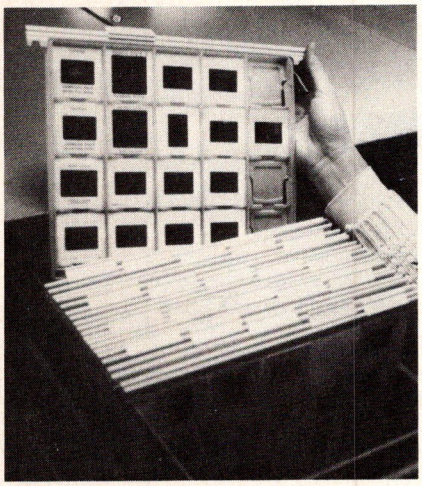
35mm-6 (100) pkg. **SG5110** **$5.25**
35mm-6 (1000) pkg. **SG5111** **$50.95**
2¼ x 2¼-4 (100) pkg.
SG5113 ..... **$7.50**
2¼ x 2¼-4 (1000) pkg.
SG5114 ..... **$74.95**
4 x 5 open end (100) pkg.
SG5115 ..... **$4.50**
4 x 5 open end (1000) pkg.
SG5116 ..... **$43.95**
4 x 5 open side (100) pkg.
SG5130 ..... **$4.95**
4 x 5 open side (1000) pkg.
SG5131 ..... **$49.50**
5 x 7 open end (100) pkg.
SG5119 ..... **$7.95**
5 x 7 open side (100) pkg.
SG5120 ..... **$8.95**
8 x 10 open end (100) pkg.
SG5117 ..... **$14.25**
8 x 10 open side (100) pkg.
SG5118 ..... **$14.25**



Kraft Negative Preservers

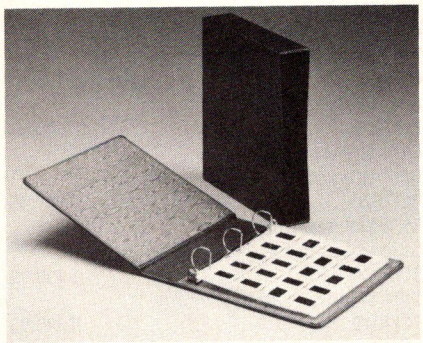
(500 per box)
4 x 5 plain **SG5210** **$34.95**
4 x 5 printed 1 side **SG5217** **$34.95**
5 x 7 printed 1 side **SG5222** **$49.95**
8 x 10 plain **SG5230** **$84.95**
8 x 10 printed 1 side **SG5232** **$84.95**

Saf-T-Stor™ Storage System



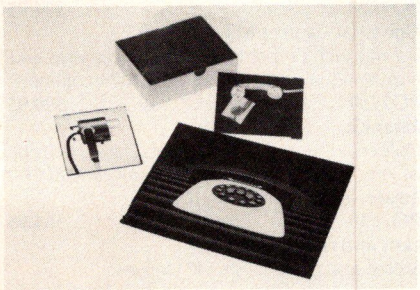
The Saf-T-Stor™ system was designed in cooperation with a U.S. Government agency to provide a safe long term storage system for color slides. The slide pages are made of pure polypropylene with no plasticizers or catalysts. The 9½" x 11" page holds 20 cardboard, plastic, metal or glass 2 x 2 mount slides in individual slots. The page fits into file cabinets, desk top files, ring binders or hanging file drawers.

1-24 Saf-T-Stor page **FR7500** **$1.50**
25 pkg. Saf-T-Stor page
FR7500 ..... **$32.50**
50 pkg. Saf-T-Stor page
FR7500 ..... **$60.00**
250 pkg. Saf-T-Stor page
FR7500 ..... **$270.00**
Hanger Bars for file drawers
Pkg. of 25 **FR7510** **$12.50**
Tabs and Labels for Hanger Bars
Box of 25 **FR7520** **$5.50**



Saf-T-Stor™ Album

The convenient way to carry and house up to 20 Saf-T-Stor slide pages. This 3 ring 1¾ in. binder features D ring design so pages lay flat. Non-vinyl bound construction with slip-in storage case. Black, overall sizes 12½ x 11½ x 2½ inches. **FR7540** **$11.95**

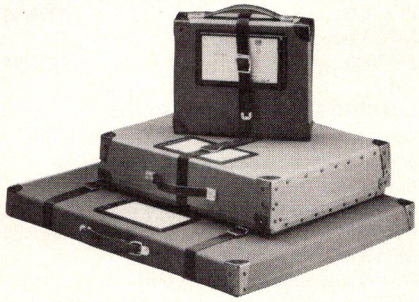


Kodak Acetate Sleeves

For sheet film negatives and transparencies. Transparent acetate covering offers protection from dust, scratches and finger marks. (100 per box)
4" x 5" Kodak Sleeves
KK9720 ..... **$15.95**
8" x 10" Kodak Sleeves
KK9725 ..... **$41.95**

Fiberbilt Print Shipping Cases

Versatile shipping cases of Vulcan Fibre with heavy-gauge steel corners, extra-strong straps and patented Spring Clip Cardboard. Sizes listed below.



	1¼"		2"		3"		4"	
Print Size	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
8 x 10	FB3310	$24.95	FB3330	$27.95	FB3360	$30.95	FB3390	$34.95
11 x 14	FB3210	$26.95	FB3335	$30.95	FB3365	$33.95	FB3395	$36.95
14 x 17	FB3315	$27.95	FB3340	$31.95	FB3370	$34.95	FB3400	$38.95
16 x 20	FB3212	$28.95	FB3345	$34.95	FB3375	$34.95	FB3405	$39.95
20 x 24	FB3320	$40.95	FB3350	$44.95	FB3380	$47.95	FB3410	$52.95
24 x 30	FB3325	$46.95	FB3355	$50.95	FB3385	$53.95	FB3415	$58.95

Polaroid MP4 Camera and Accessories

This unique modular camera can be a copy camera, photomacrographic and photomicrographic recording system, and can also be an off-stand studio camera, a laboratory view camera, a copy stand or all of the above. The easy to use MP4 can use nearly two dozen Polaroid instant films – color or black and white (with or without a negative) in sizes up to 4 x 5". Polaroid self-developing films produce completely finished photographic images, without a darkroom, in a minute or less. MP4 camera systems feature eye-level, reflex viewing; effortless floating focus; a choice of six interchangeable, flat-field Tominon lenses; a versatile self-cocking Copal shutter; easily interchangeable film holders; infinitely adjustable, built-in lighting; a camera head that rotates 360° and an optional rotating support column.

MP4 Fixed Standard Column
Consists of camera body and fixed column with overall height of 46".
PO7000 ..... **$899.95**

MP4 XLR Rotating Column
Consists of camera body and rotating column with overall height of 66".
PO7010 ..... **$1049.95**

MP4 Standard Baseboard
Laminated baseboard measures 18 x 23".
PO7020 ..... **$89.95**

MP4 XLR Baseboard
Laminated baseboard measures 23 x 29".
PO7030 ..... **$119.95**

MP4 Standard Light Assembly
PO7040 ..... **$299.95**

MP4 XLR Light Assembly
PO7050 ..... **$309.95**

MP4 Fixed Camera Head
Positions the ground glass, reflex viewer and film holder. Film holder must be removed from camera for focusing.
PO7060 ..... **$289.95**

MP4 Sliding Camera Head
Positions just like the fixed head without having to remove the film holder for focusing.
PO7070 ..... **$299.95**

MP4 Macro Extension
PO7080 ..... **$109.95**

Ground Glass Components

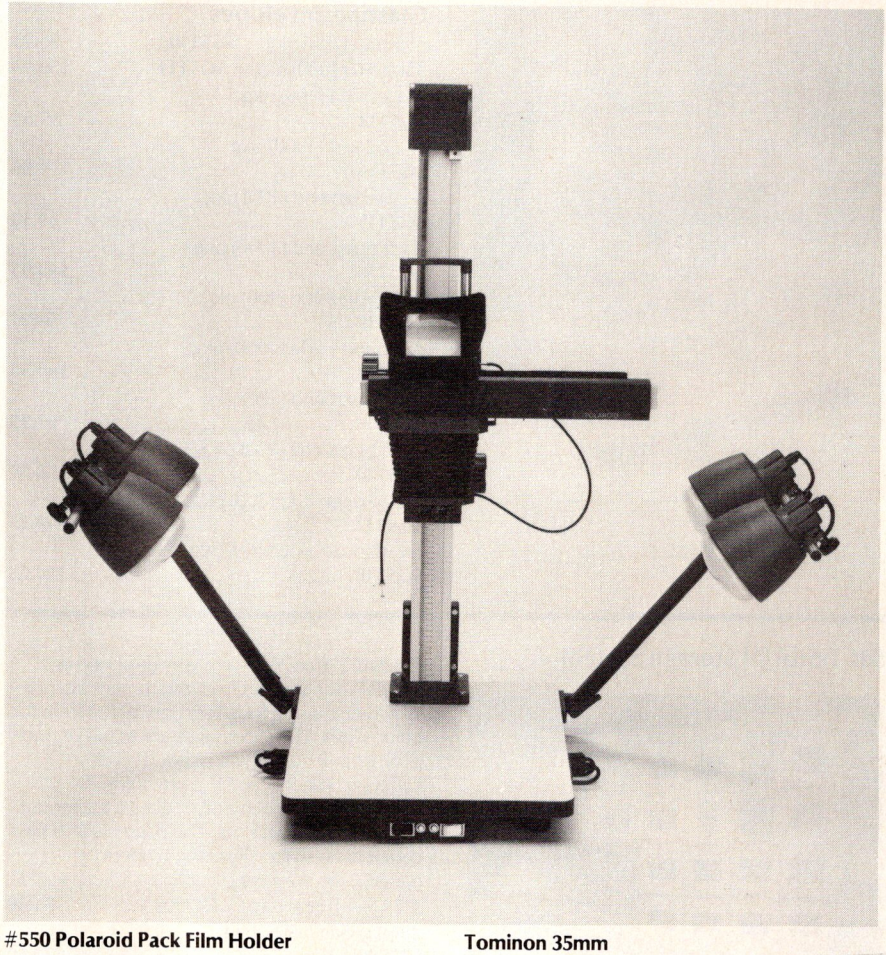
Components PO7100, PO7110 and PO7130 accept both #545 and #550 Polaroid film holders.

MP4 Standard Ground Glass
PO7100 ..... **$67.95**

MP4 Aerial Image Ground Glass
Focusing screen for special purpose applications such as photomicrography and high-magnification photomacrography.
PO7110 ..... **$67.95**

MP4 Calibrated Ground Glass
Focusing screen for applications requiring a specific finished copy size.
PO7130 ..... **$67.95**

#545 Polaroid Sheet Film Holder
Adapts MP4 for Polaroid 4x5" self-developing sheet films.
PO5100 ..... **$159.95**



#550 Polaroid Pack Film Holder
Adapts MP4 for Polaroid 4x5" self-developing pack film.
PO5500 ..... **$144.95**

MP4 3¼ x 4¼ Pack Film Holder
PO7090 ..... **$119.95**

MP4 Reflex Viewer
Permits eye-level reflex viewing of the image on the ground glass.
PO7140 ..... **$139.95**

MP4 Copal Self-Cocking Shutter
With speed settings 1 sec. to 1/125 sec., plus "B"; "X" synchronization; previewing provision.
PO7150 ..... **$199.95**

Lenses *(require shutters)*

Tominon 135mm
4-element, 3-group Tesser-type all purpose lens; f4.5 to f32.
PO7160 ..... **$219.95**

Tominon 105mm
4-element, 3-group Tesser-type all purpose lens; f4.5 to f32.
PO7170 ..... **$219.95**

Tominon 75mm
4-element, 3-group reverse Tesser-type copying lens; f4.5 to f32.
PO7180 ..... **$209.95**

Tominon 50mm
6-element, symmetric triplet-type macro lens; f4.5 to f32.
PO7190 ..... **$229.95**

Tominon 35mm
4-element, 3-group reverse Tesser-type macro lens; f4.5 to f32.
PO7200 ..... **$229.95**

Tominon 17mm
6-element, 4-group macro lens; f4.0 to f22.
PO7210 ..... **$229.95**

Additional Accessories

Tripod Adapter
For mounting the MP4 camera on a heavy-duty tripod or studio stand.
PO7220 ..... **$94.95**

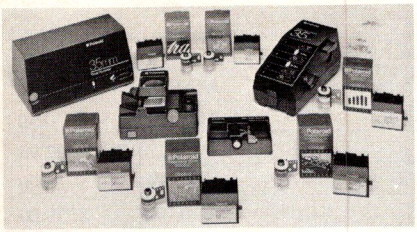
Universal Camera Mount
For mounting other Polaroid land cameras and conventional cameras onto the MP4 column.
PO7230 ..... **$99.95**

Filter Kit
Holder positions color balancing filters in front of lens. Includes: Wratten 80B, 80C and 80D gelatin filters and 3" filter frame.
PO7240 ..... **$64.95**

Lens and Accessory Case
Stores and protects six MP4 lenses, microscope baffle tube, reduction kit and halftone aperture control.
PO7250 ..... **$44.95**

Carrying Cases
Set of 2 cases to carry an entire operational system.
PO7260 ..... **$599.95**

Prices are subject to change without notice.



Polaroid 35mm Instant Photography System

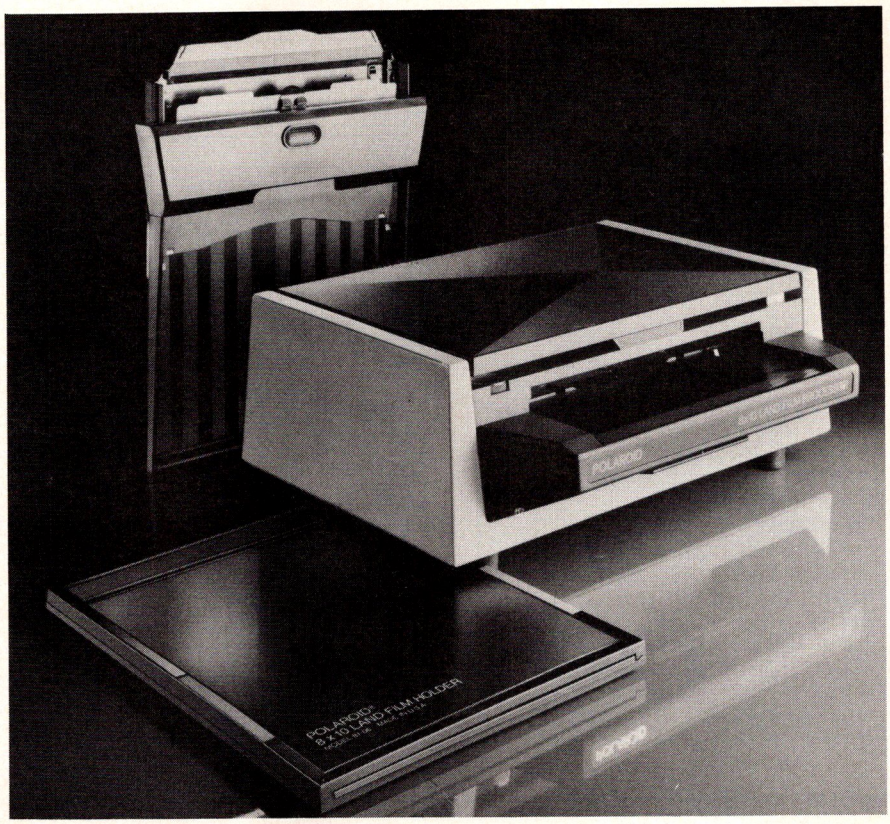
This valuable system records, documents and presents timely information in a very timely manner. You can have quality, full color or black and white continuous tone or high contrast slides in less than 5 minutes with this system. Process the film yourself to get immediate results. The Polaroid Instant Slide System is a one time, cost effective purchase, unlike any other system on the market.

Auto Processor **PO1010** **$99.95**
Power Processor **PO2010** **$229.95**
Illuminated Slide Mounter **PO2020** ... **$37.95**
Slide Mounter
PO1020 ..... **$24.95**
Slide Mounts (pkg of 100)
PO1030 ..... **$5.20**

PolaBlue BN Film — NEW

With this new film, you can have instant presentation quality, white-on-blue 35mm slides. PolaBlue is a blue-based negative film that produces very high contrast instant 35mm slides in a single exposure. High Contrast PolaBlue Film is packaged in standard 12-exposure 35mm film cartridges. It can be exposed in any 35mm SLR camera with manual exposure control. Exposed PolaBlue Film is processed in the manual, portable Polaroid 35mm Auto Processor or the automatic, 35mm Power Processor.

PS1120 ..... **$9.50**



Polaroid 8 x 10 Processing System

Create on-the-spot 8 x 10 color prints and overhead projection transparencies. The 8 x 10 system uses two kinds of film: Polaroid Polacolor ER, Type 809 Film, which produces dry, fully developed prints in 60 seconds; and Polaroid Colorgraph Type 891 Film, which produces continuous color overhead projection transparencies in approximately 4 minutes. Any 8 x 10 imaging system (view camera, slide printers, etc.) can be used to expose Polaroid 8 x 10 film. Requires 8 x 10 Film Holder, Loading Tray and 8 x 10 Film Processor.

8 x 10 Film Processor **PO6005** **$669.95**
Loading Tray **PO6100** **$119.95**
8 x 10 Film Holder **PO6050** **$160.00**

Polaroid Professional Film

Polaroid Film takes the guess work out of exposures, lighting, framing and camera angles. Select from color print and transparency, black and white print and positive/negative films for all three 4 x 5 Polaroid Film Holders.

need it YESTERDAY?
Special 24-hour delivery available. Call for details.

Polaroid Film

Type	Qty.	Cat. No.	Price
552 (8)	1	**PS5552**	**$ 12.50**
553 (8) – NEW	1	**PS5553**	**$ 11.95**
559 (8)	1	**PS5559**	**$ 19.75**
669 (16)	2	**PS7112**	**$ 16.75**
667 (16)	2	**PS7120**	**$ 11.50**
665 (8)	1	**PS7130**	**$ 7.95**
Pro Chrome (D) – NEW	1	**PS7500**	**$ 33.00**
Pro Chrome (T) – NEW	1	**PS7510**	**$ 33.00**
52 (20)	1	**PS7520**	**$ 30.50**
53 (180) – NEW	1	**PS7525**	**$275.00**
55 (20)	1	**PS7530**	**$ 32.50**
59 (20)	1	**PS7551**	**$ 48.25**
809 (15)	1	**PS8800**	**$109.95**
809 (45)	1	**PS8805**	**$299.95**
Polachrome CS 40 12 exp. 35mm	1	**PS1110**	**$ 8.95**
Polachrome CS 40 36 exp. 35mm	1	**PS1115**	**$ 13.25**
Polapan CT 125 36 exp. 35mm	1	**PS1100**	**$ 13.25**
Polagraph HC 400 12 exp. 35mm	1	**PS1105**	**$ 9.25**
Pola Blue BN Film 12 exp. 35mm	1	**PS1120**	**$ 9.50**

Agfa Color Film

Agfachrome RS
This daylight balanced, E-6 compatible transparency film utilizes Agfa's "Twin Crystal" emulsion technology, which produces excellent sharpness, reduces graininess and improves color reproduction. The color emulsions in the new film are divided into two layers; the top layer contains only large, highly sensitive crystals, while the lower layer has smaller less sensitive crystals. Available in the following speeds: 50, 100, 200 and 1000.

Agfacolor XRS
Agfa's color print film utilizes the same twin crystal technology as the RS transparency film. This C-41 compatible film is available in ASA 100, 200, 400 and 1000.

When Ordering Roll Film Please Note:
Roll film is NOT available in single roll quantities. Check "Qty." column for pre-packaged roll quantities per catalog number. This is VERY important to guarantee that your order is filled properly. Example: If you were to order 1-AG00355, you would receive 10 rolls of Agfacolor XRS film.

Agfa Color Film

Type	Size	Qty.	Cat. No.	Price
RS 50	4x5	10	**AG00150**	**$ 10.50**
RS 100	4x5	10	**AG00151**	**$ 10.50**
RS 50	8x10	10	**AG00250**	**$ 37.95**
RS 100	8x10	10	**AG00251**	**$ 39.00**
XRS 100	120	10 rolls	**AG00355**	**$ 19.50**
XRS 200	120	10 rolls	**AG00356**	**$ 21.50**
XRS 1000	120	10 rolls	**AG00358**	**$ 29.50**
RS 50	120	10 rolls	**AG00350**	**$ 21.50**
RS 100	120	10 rolls	**AG00351**	**$ 23.00**
RS 200	120	10 rolls	**AG00352**	**$ 24.00**
XRS400	120	10 rolls	**AG00357**	**$ 22.50**
RS 1000	120	10 rolls	**AG00353**	**$ 36.00**
XRS100 135-36	35mm	10 rolls	**AG00455**	**$ 27.50**
XRS200 135-36	35mm	10 rolls	**AG00456**	**$ 31.50**
XRS400 135-36	35mm	10 rolls	**AG00457**	**$ 34.50**
XRS1000 135-24	35mm	10 rolls	**AG00458**	**$ 31.95**
RS50 135-36	35mm	10 rolls	**AG00450**	**$ 39.50**
RS100 135-36	35mm	10 rolls	**AG00451**	**$ 43.50**
RS200 135-36	35mm	10 rolls	**AG00452**	**$ 52.50**
RS1000 135-36	35mm	10 rolls	**AG00453**	**$ 69.50**

Kodak Professional Transparency Film

Ektachrome 50 (EPY)
Tungsten (3200°K) balanced color reversal film. Process E-6.
Ektachrome 64 (EPR)
Professional color-reversal film for exposure with daylight, electronic flash or blue flash bulbs.
Ektachrome 100 (EPN)
Moderate speed professional color-reversal film featuring accurate color reproduction for exposure with daylight, electronic flash or blue flash bulbs.
Ektachrome 160 (EPT)
High speed professional color-reversal film primarily for use under tungsten light conditions.
Ektachrome 200 (EPD)
High speed professional color-reversal film, intended primarily for use with dim daylight conditions, or when faster shutter speeds and smaller apertures are required.
Ektachrome P800/1600 (EES)
A high speed professional color-reversal film designed for push-processing use.

in stock
AVAILABILITY
11,000 Professional Photographic Products.

Kodak Color Sheet Film

Type	Size	Qty.	Cat. No.	Price
Ektachrome Professional 6118 (EPY)	8x10	10	**KP01000**	**$ 48.95**
Ektachrome Professional 6118 (EPY)	8x10	50	**KP01002**	**$228.75**
Ektachrome 100 Professional 6122 (EPN)	8x10	10	**KP01008**	**$ 50.95**
Ektachrome 100 Professional 6122 (EPN)	8x10	50	**KP01010**	**$234.00**
Ektachrome 64 Professional 6117 (EPR)	8x10	10	**KP01004**	**$ 48.95**
Ektachrome 64 Professional 6117 (EPR)	8x10	50	**KP01006**	**$228.75**
Ektachrome 200 Professional 6176 (EPD)	8x10	10	**KP01012**	**$ 54.00**
Ektachrome 200 Professional 6176 (EPD)	8x10	50	**KP01014**	**$246.95**
Vericolor III Type S (VPS)	8x10	10	**KP01016**	**$ 47.50**
Vericolor II Type L (VPL)	8x10	10	**KP01018**	**$ 47.50**
Ektachrome Professional 6118 (EPY)	4x5	10	**KP01100**	**$ 12.95**
Ektachrome Professional 6118 (EPY)	4x5	50	**KP01102**	**$ 58.95**
Ektachrome 64 Professional 6117 (EPR)	4x5	10	**KP01104**	**$ 12.95**
Ektachrome 64 Professional 6117 (EPR)	4x5	50	**KP01106**	**$ 58.95**
Ektachrome 100 Professional 6122 (EPN)	4x5	10	**KP01108**	**$ 13.50**
Ektachrome 100 Professional 6122 (EPN)	4x5	50	**KP01110**	**$ 62.00**
Ektachrome 200 Professional 6176 (EPD)	4x5	10	**KP01112**	**$ 14.00**
Ektachrome 200 Professional 6176 (EPD)	4x5	50	**KP01114**	**$ 64.50**
Vericolor III Type S (VPS)	4x5	10	**KP01116**	**$ 12.50**
Vericolor III Type S (VPS)	4x5	50	**KP01117**	**$ 56.00**
Vericolor II Type L (VPL)	4x5	10	**KP01118**	**$ 12.50**
Vericolor II Type L (VPL)	4x5	50	**KP01119**	**$ 56.00**
Vericolor II Commercial Film (VHC)	4x5	10	**KP01120**	**$ 12.75**
Vericolor HC Professional Film	4x5	50	**KP01125**	**$ 55.95**

Kodak Color Film

Vericolor III Types (VPS)
Professional color negative film designed for electronic flash or daylight in exposure range of 1/10 sec. to 1/10,000 sec.

Vericolor II Type L (VPL)
Professional color negative film balanced for 3200°K illuminants over an exposure range of 1/50 sec. to 60 seconds.

Vericolor II Commercial Film (VCS)
Higher contrast color negative film for professional use with electronic flash, or daylight in exposure range of 1/10 sec. or shorter.

Kodak Color Roll Film — 120/220

Type	Size	Qty.	Cat. No.	Price
Kodachrome 64 (PKR) – NEW	120	10 rolls	**KP01220**	**$ 37.95**
Ektachrome 64 (EPR)	120	5 rolls	**KP01200**	**$ 16.50**
Ektachrome 100 (EPN)	120	5 rolls	**KP01202**	**$ 18.25**
Ektachrome 200 (EPD)	120	5 rolls	**KP01204**	**$ 19.75**
Ektachrome (EL)	120	10 rolls	**KP01206**	**$ 45.75**
Ektachrome 50 (EPY)	120	10 rolls	**KP01208**	**$ 32.75**
Ektachrome 160 (EPT)	120	5 rolls	**KP01210**	**$ 19.75**
Vericolor III Type S (VPS)	120	5 rolls	**KP01212**	**$ 13.50**
Vericolor II Type L (VPL)	120	5 rolls	**KP01214**	**$ 13.50**
Vericolor II Commercial (VCS)	120	10 rolls	**KP01216**	**$ 26.95**
Ektachrome 64 (EPR)	220	5 rolls	**KP01300**	**$ 32.75**
Vericolor III Type S (VPS)	220	5 rolls	**KP01312**	**$ 26.95**

Kodak Professional Transparency Film

Kodachrome 25 Professional (PKM)
Color reversal professional film for daylight and electronic flash.

Kodachrome 64 Professional (PKR)
Medium speed color reversal film for daylight and electronic flash.

Kodachrome 200 Professional (PKL)
New high speed professional film for daylight and electronic flash

Kodak Color Roll Film — 35mm

Type	Size	Qty.	Cat. No.	Price
Kodachrome 25 Professional (PKM) 36 exp.	35mm	10 rolls	**KP01400**	**$ 58.95**
Kodachrome 64 Professional (PKR) 36 exp.	35mm	10 rolls	**KP01402**	**$ 58.95**
Kodachrome 200 36 exp. – NEW	35mm	10 rolls	**KP01403**	**$ 75.00**
Ektachrome 50 (EPY) 36 exp.	35mm	10 rolls	**KP01404**	**$ 60.25**
Ektachrome 64 (EPR) 36 exp.	35mm	10 rolls	**KP01406**	**$ 60.25**
Ektachrome 100 (EPN) 36 exp.	35mm	10 rolls	**KP01408**	**$ 66.75**
Ektachrome 160 (EPT) 36 exp.	35mm	10 rolls	**KP01410**	**$ 71.95**
Ektachrome 200 (EPD) 36 exp.	35mm	10 rolls	**KP01412**	**$ 71.95**
Ektachrome 200 (EPD) 100′	35mm	1 roll	**KP00530**	**$ 57.00**
Vericolor III Type S (VPS) 36 exp.	35mm	10 rolls	**KP01416**	**$ 40.50**
Ektachrome Slide Duplicating (ESD) 100′	35mm	1 roll	**KP01500**	**$ 30.00**

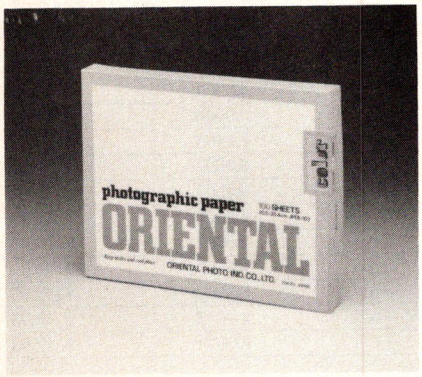
Kodak Prepaid Processing Mailers

Use these convenient mailers to send your Kodachrome or Ektachrome slides to your nearest Kodak lab for processing. Slides are returned postage paid. Use one mailer for each roll of film.

PK 20E (135mm 20/24 exp., 2 x 2 mounts or unmounted) **KP01224** **$3.25**

PK 36E (135mm 36 exp., 2 x 2 mounts or unmounted) **KP01221**..... **$4.25**

PK 12C (120mm unmounted) **KP01226** **$5.49**



Oriental Color Paper

Oriental RP-III produces color prints from color negatives. It faithfully renders color and tone values over a wide contrast range with lasting permanence.

RP-III is compatible with EP-2 and similar chemistry without altering any processing time, temperature, agitation or replenishment procedures. Oriental RP-III color paper can be tray, drum, or machine processed. It is available in a fine grained lustre or glossy surface.

Oriental RP-III Color Paper (Glossy)

Size	Qty.	Cat. No.	Price
8 x 10	25	**OR11825**	**$ 8.50**
8 x 10	100	**OR18100**	**$32.00**
11 x 14	10	**OR11425**	**$ 6.75**
11 x 14	50	**OR11450**	**$31.50**
16 x 20	10	**OR11610**	**$12.75**
16 x 20	50	**OR11650**	**$59.95**

Oriental RP-III Color Paper (Lustre)

Size	Qty.	Cat. No.	Price
8 x 10	25	**OR11826**	**$ 7.95**
8 x 10	100	**OR18101**	**$29.95**
11 x 14	10	**OR11426**	**$ 6.25**
11 x 14	50	**OR11451**	**$29.95**
16 x 20	10	**OR11611**	**$12.75**
16 x 20	50	**OR11651**	**$59.95**

Roll paper is also available. Call for details.

Photocolor II

Photocolor II processes C-41 and EP-2.

Size	Cat. No.	Price
1.5 liter (kit)	**JB2900**	**$13.95**
6 liter (developer only)	**JB2905**	**$21.95**

Allied Mini-Color K Print Chemistry

All liquid concentrate for use in EP-2 compatible processors.

Type	Size	Cat. No.	Price
Mini-Color K Kit	13.5 liter	**AL1000**	**$27.00**
Mini-Color Developer	4 x 13.5 liter	**AL1005**	**$80.00**
Mini-Color Bleach-Fix	4 x 13.5 liter	**AL1010**	**$25.00**

Kodak EP-2 Color Chemistry

Type	Size	Cat. No.	Price
EP-2 Kit	1 gal.	**KP02078**	**$27.50**
EP-2 Kit	3.5 gal.	**KP02100**	**$37.75**

SOFT GOODS
B & W Film
Kodak and Ilford

Kodak Black & White Film

Kodak Plus-X—Medium speed panchromatic film for general purpose applications.

Kodak Tri-X—Fast panchromatic film with excellent exposure latitude.

Kodak T-Max
This new film offers a combination of fine grain and high speed, with expanded exposure and development latitude.

Kodak Technical Pan
High resolution, fine grain film with extended red panchromatic sensitivity. This versatile film can be processed to a wide range of contrasts, and is recommended for pictorial photography, photomicrography, copying and other technical procedures.

Kodak Kodalith Ortho Film 2556-Type 3
High contrast litho film used for a wide variety of graphic arts and experimental photographic applications.

Direct Positive Panchromatic Film 5246 (DP 402)
Black and white reversal transparency film. Processed with Kodak Direct Positive film developing kit for black and white slides.

Kodak Black & White Film

Type	Size	Qty.	Cat. No.	Price
Tri X (4164)	8x10	50	KP00014	$ 66.75
Tri X (4164)	4x5	25	KP00010	$ 10.25
Tri X (4164)	4x5	100	KP00012	$ 39.50
Plus X (4147)	4x5	25	KP00018	$ 10.25
Plus X (4147)	4x5	100	KP00020	$ 39.50
T-Max 100	4x5	25	KP00635	$ 10.95
T-Max 100	4x5	100	KP00640	$ 41.95
T-Max 100	8x10	25	KP00650	$ 36.25
T-Max 400	4x5	25	KP00660	$ 11.50
T-Max 400	4x5	100	KP00665	$ 43.95
T-Max 400	8x10	25	KP00675	$ 37.95
Tech Pan (4415)	4x5	25	KP00031	$ 11.50
Kodalith (2556)	4x5	100	KP00041	$ 30.50
Plus X (4147)	8x10	50	KP00022	$ 67.50
Kodalith (2556)	8x10	100	KP00043	$ 97.25
Tech Pan	120	10 rolls	KP00110	$ 28.95
PXP Pro Pk	120	5 rolls	KP00115	$ 10.75
TXP Pro Pk	120	5 rolls	KP00120	$ 10.75
TX120	120	10 rolls	KP00130	$ 19.50
T-Max 100	120	5 rolls	KP00600	$ 10.25
T-Max 400	120	5 rolls	KP00610	$ 10.95
PXP Pro Pk	220	5 rolls	KP00210	$ 21.00
TXP Pro Pk	220	5 rolls	KP00220	$ 21.00
PXP135-36	35mm	10 rolls	KP00310	$ 28.75
TXP135-36	35mm	10 rolls	KP00320	$ 28.75
TP135-36	35mm	10 rolls	KP00340	$ 37.50
T-Max 100 (36 exp.)	35mm	10 rolls	KP00605	$ 31.50
T-Max 400 (36 exp.)	35mm	10 rolls	KP00615	$ 33.25
T-Max 400 (36 exp.)	35mm	50 rolls	KP00620	$155.00
PX402 (100')	35mm	1 roll	KP00450	$ 19.25
TX402 (100')	35mm	1 roll	KP00430	$ 20.75
T-Max 100 (100')	35mm	1 roll	KP00625	$ 21.95
T-Max 400 (100')	35mm	1 roll	KP00630	$ 23.25
DP402 (100')	35mm	1 roll	KP00460	$ 22.75

Ilford Black & White Film

Ilford HP5
HP5 is a fast, black and white, panchromatic film with great versatility for general photographic applications.

HP5 Professional Sheet Film has a nominal speed rating of ISO 320/26'.

HP5 Roll Films have a rating of ISO 400/27' to daylight, but can be increased by extending development.

Ilford FP4
FP4 is a fine-grain, medium contrast panchromatic film which offers high acutance and a wide exposure latitude. When given a standard development it has a speed rating of ISO 125/22' to daylight.

Ilford Black & White Film

Type	Size	Qty.	Cat. No.	Price
HP5	8x10	25	IL0202	$ 31.95
FP4	8x10	25	IL0201	$ 31.95
HP5	4x5	50	IL0302	$ 18.95
FP4	4x5	50	IL0301	$ 18.95
HP5	2¼x3¼	50	IL0402	$ 13.95
FP4	2¼x3¼	50	IL0401	$ 13.95
HP5	120	10 rolls	IL0502	$ 18.00
FP4	120	10 rolls	IL0501	$ 18.00
HP5	135-36	10 rolls	IL0602	$ 27.90
FP4	135-36	10 rolls	IL0601	$ 27.90
FP4	135-36	50 rolls	IL0603	$129.95
HP5	135-36	50 rolls	IL0604	$129.95
HP5	35mm LR (97')	1 roll	IL0612	$ 18.95
FP4	35mm LR (97')	1 roll	IL0611	$ 17.95

in stock
AVAILABILITY
11,000 Professional Photographic Products.

need it
YESTERDAY?
Special 24-hour delivery available. Call for details.

COMPETITIVE
PRICES
Prices and specifications are subject to change without notice. Call **1-800-CALUMET** (1-800-225-8638) for confirmation.

Ilford
Black & White Paper

Ilford Galerie

Galerie produces an elegant, natural white and neutral black image color, with excellent tonal reproduction. Galerie has a high quality, baryta coated paper base and is now available in four grades. Its 1K glossy surface gives a high quality smooth finish when air dried.

Ilfospeed Multigrade II

A versatile, variable contrast, resin-coated (RC) paper with 11 half-grade contrast steps when used with the Ilford Multigrade II Filter set.

Ilford Multigrade FB

This new fiber base, variable contrast paper produces a neutral toned image featuring deep rich blacks and brightener enhanced whites. A first class variable contrast paper.

Ilford Multigrade FB Glossy (Double Weight)

Size	Qty.	Cat. No.	Price
8x10	100	**IL32240**	**$ 42.95**
8x10	250	**IL32250**	**$ 92.25**
11x14	50	**IL32420**	**$ 40.95**
11x14	250	**IL32450**	**$169.95**
16x20	10	**IL32600**	**$ 19.25**
16x20	50	**IL32620**	**$ 83.95**
20x24	10	**IL32800**	**$ 27.25**

Ilford Multigrade II Glossy

Size	Qty.	Cat. No.	Price
5x7	250	**IL32150**	**$31.95**
8x10	100	**IL21240**	**$32.95**
8x10	250	**IL21250**	**$69.95**
8½x11	250	**IL32050**	**$82.95**
11x14	10	**IL21400**	**$ 7.95**
11x14	50	**IL21420**	**$31.95**
16x20	10	**IL21600**	**$16.25**
16x20	50	**IL21620**	**$63.95**

Ilford Multigrade Pearl

Size	Qty.	Cat. No.	Price
5x7	250	**IL62150**	**$31.95**
8x10	100	**IL62240**	**$33.95**
8x10	250	**IL62250**	**$71.95**
11x14	10	**IL62400**	**$7.95**
11x14	50	**IL62420**	**$32.50**
16x20	10	**IL62600**	**$16.95**
16x20	50	**IL62620**	**$64.95**

Ilfospeed Multigrade II Filters

6x6" set of 11 filters for use above lens
IL0056 ..... **$22.95**

3x3" set of 11 filters for use below lens
IL0050 ..... **$35.95**

Ilford Galerie 1K (Double Weight)

Size	Qty.	Grade	Cat. No.	Price
8x10	25	1	**IL11211**	**$14.25**
8x10	25	2	**IL11212**	**$14.25**
8x10	25	3	**IL11213**	**$14.25**
8x10	25	4	**IL11214**	**$14.25**
8x10	100	2	**IL11242**	**$48.95**
8x10	100	3	**IL11243**	**$48.95**
11x14	10	1	**IL11401**	**$11.50**
11x14	10	2	**IL11402**	**$11.50**
11x14	10	3	**IL11403**	**$11.50**
11x14	10	4	**IL11404**	**$11.50**
11x14	50	2	**IL11422**	**$46.95**
11x14	50	3	**IL11423**	**$46.95**
16x20	10	1	**IL11601**	**$22.95**
16x20	10	2	**IL11602**	**$22.95**
16x20	10	3	**IL11603**	**$22.95**
16x20	10	4	**IL11604**	**$22.95**
16x20	50	2	**IL11622**	**$95.95**
16x20	50	3	**IL11623**	**$95.95**
20x24	10	2	**IL11802**	**$34.95**
20x24	10	3	**IL11803**	**$34.95**
20x24	10	4	**IL11804**	**$34.95**

Kodak Paper

Kodak Elite

A neutral-black image tone and a brightened base give ELITE Fine-Art Paper exceptional shadows and highlights. ELITE Paper is available in three contrast grades that are speed-matched for tungsten light sources.It is an extremely high quality paper with densely packed fibers.

Kodak Elite (Premium Weight)

Size	Qty.	Grade	Cat. No.	Price
8x10	25	1	**KP23211**	**$17.25**
8x10	25	2	**KP23212**	**$17.25**
8x10	100	2	**KP23242**	**$56.50**
8x10	25	3	**KP23213**	**$17.25**
8x10	25	4	**KP23214**	**$17.25**
11x14	10	1	**KP23401**	**$13.00**
11x14	10	2	**KP23402**	**$13.00**
11x14	10	3	**KP23403**	**$13.00**
11x14	10	4	**KP23404**	**$13.00**
11x14	50	1	**KP23421**	**$55.50**
11x14	50	2	**KP23422**	**$55.50**
11x14	50	3	**KP23423**	**$55.50**

16x20 and 20x24 sizes are also in stock!

Kodak Panalure II RC Paper

Use for tray and machine processing. Panalure II is a projection speed, panchromatic, black and white enlarging paper for making high-quality black and white prints for color negatives.

Panalure II RC (Medium Weight)

Size	Qty.	Cat. No.	Price
8x10	25	**KP12210**	**$12.50**
8x10	100	**KP12240**	**$40.50**
8x10	250	**KP12250**	**$88.95**
11x14	50	**KP12420**	**$40.95**

Kodak Polycontrast Rapid II RC paper

This fast, selective contrast enlarging paper is for tray and machine processing. The paper is available in two styles - E (fine-grained lustre surfaces with a warm black image tone) and F (smooth glossy).

Kodak Polycontrast Rapid II RC F Smooth Glossy (Medium Weight)

Size	Qty.	Cat. No.	Price
5x7	100	**KP51140**	**$16.50**
5x7	500	**KP52260**	**$66.25**
8x10	25	**KP51210**	**$9.95**
8x10	100	**KP51240**	**$33.95**
8x10	250	**KP51250**	**$74.95**
8½x11	250	**KP51350**	**$86.95**
11x14	50	**KP51420**	**$33.95**
16x20	50	**KP51620**	**$66.95**
20x24	50	**KP51820**	**$119.95**

Kodak Polycontrast III Filter Kit
KF4009 ..... **$34.95**

Kodak Polycontrast Rapid II RC E Fine-Grained Lustre (Medium Weight)

Size	Qty.	Cat. No.	Price
5x7	100	**KP61140**	**$16.50**
5x7	500	**KP62260**	**$66.25**
8x10	25	**KP61210**	**$9.95**
8x10	100	**KP61240**	**$33.95**
8x10	250	**KP61250**	**$74.95**
11x14	50	**KP61420**	**$33.95**
16x20	50	**KP61620**	**$66.95**
20x24	50	**KP61820**	**$119.95**

Poly Fiber

Selective contrast, fiber-based paper for general photographic use. Neutral image tone with medium speed.

Kodak Polyfiber F (Double Weight)

Size	Qty.	Cat. No.	Price
8x10	25	**KP32210**	**$12.50**
8x10	100	**KP32240**	**$40.50**
11x14	50	**KP32420**	**$40.50**

Kodak Polyprint RC

This new, selective contrast, RC (resin coated) paper permits up to three minutes of tray development control, with gradual image build up.

Kodak Polyprint RC F

Size	Qty.	Cat. No.	Price
8x10	25	**KP11210**	**$10.75**
8x10	100	**KP11240**	**$34.75**
11x14	50	**KP11420**	**$34.95**

SOFT GOODS
B & W Paper
Oriental, Agfa and Pal

Oriental Seagull

This cold tone, bromide paper is renowned for its pitch black and pure white tones. Seagull can be fully developed in most developers (with suggested dilutions) in two to three minutes.

- High Sensitivity – considered to be one of the most sensitive papers available for enlarging applications.
- Excellent tonal reproduction gives faithful expression to all shades and tones.
- Exceptional tonal gradation produces an infinite number of grays, stretching from the highlight to the deepest shadows.

Seagull G

This top-of-the-line exhibition paper uses a baryta coating and produces a beautiful smooth exhibition quality gloss.

Seagull N

This fine-grained surface and strong base paper produces a lustre brilliance.

Seagull F

Single weight paper with a smooth and glossy surface.

Oriental Seagull G (Double Weight)

Size	Qty.	Grade	Cat. No.	Price
8x10	25	1	**OR12211**	**$13.95**
8x10	25	2	**OR12212**	**$13.95**
8x10	25	3	**OR12213**	**$13.95**
8x10	25	4	**OR12214**	**$13.95**
8x10	100	1	**OR12241**	**$45.95**
8x10	100	2	**OR12242**	**$45.95**
8x10	100	3	**OR12243**	**$45.95**
8x10	100	4	**OR12244**	**$45.95**
11x14	10	2	**OR12402**	**$10.95**
11x14	10	3	**OR12403**	**$10.95**
11x14	10	4	**OR12404**	**$10.95**
11x14	50	2	**OR12422**	**$40.95**
11x14	50	3	**OR12423**	**$40.95**
11x14	50	4	**OR12424**	**$40.95**
16x20	10	2	**OR12602**	**$21.95**
16x20	10	3	**OR12603**	**$21.95**
16x20	10	4	**OR12604**	**$21.95**
16x20	50	2	**OR12622**	**$89.95**
16x20	50	3	**OR12623**	**$89.95**
16x20	50	4	**OR12624**	**$89.95**
20x24	10	2	**OR12802**	**$33.95**
20x24	10	3	**OR12803**	**$33.95**
20x24	10	4	**OR12804**	**$33.95**

Oriental Seagull N (Double Weight)

8x10	25	2	**OR22212**	**$13.95**
8x10	100	2	**OR22242**	**$45.95**
8x10	25	3	**OR22213**	**$13.95**
8x10	100	4	**OR22243**	**$45.95**

Oriental Seagull F (Single Weight)

8x10	100	2	**OR11242**	**$32.95**
8x10	100	3	**OR11243**	**$32.95**

Pal Print

Pal Print produces exhibition standard black and white enlargements at incredibly competitive prices. This baryta coated, fiber-based, chlorobromide paper yields a bright, neutral white base and a richly delicate, warm black image tone. Pal Print has become increasingly popular among Master printers and stands as the best buy against all competition.

Pal Print Paper (Double Weight)

Size	Qty.	Grade	Cat. No.	Price
8x10	25	1	**PE11211**	**$ 9.95**
8x10	25	2	**PE11212**	**$ 9.95**
8x10	25	3	**PE11213**	**$ 9.95**
8x10	100	1	**PE11241**	**$34.95**
8x10	100	2	**PE11242**	**$34.95**
8x10	100	3	**PE11243**	**$34.95**
11x14	25	1	**PE11411**	**$18.50**
11x14	25	2	**PE11412**	**$18.50**
11x14	25	3	**PE11413**	**$18.50**
11x14	100	2	**PE11442**	**$67.50**
11x14	100	3	**PE11443**	**$67.50**
16x20	25	1	**PE11611**	**$37.50**
16x20	25	2	**PE11612**	**$37.50**
16x20	25	3	**PE11613**	**$37.50**

AGFA

AGFA Brovira

Characterized by a fast bromide emulsion. Brovira produces crisp, radiant whites and cool, silver-rich blacks. Its long exposure and development latitude offers an expanded tonal range. Plus, Brovira's range of five grades provides the sophisticated photographer with the versatility to print negatives of extreme over-and-under exposures.

AGFA Portriga Rapid

Produces warm tone, cream base-tint prints with a subtle sheen finish. Characterized by a fast chlorobromide emulsion and high silver saturation. From glistening whites to deep shadows, Portriga-Rapid's velvet translucence gives photographs a timeless expression and an innocent sensuality. Available in double weight fine grain semi-matte (#118) and glossy (#111).

AGFA Brovira 111 (Double Weight)

Size	Qty.	Grade	Cat. No.	Price
8x10	25	1	**AG12211**	**$12.25**
8x10	25	2	**AG12212**	**$12.25**
8x10	25	3	**AG12213**	**$12.25**
8x10	25	4	**AG12214**	**$12.25**
8x10	25	5	**AG12215**	**$12.25**
8x10	100	2	**AG12242**	**$40.25**
8x10	100	3	**AG12243**	**$40.25**
11x14	10	3	**AG12403**	**$ 9.75**
11x14	50	2	**AG12422**	**$38.75**
11x14	50	3	**AG12423**	**$38.75**

AGFA Portriga Rapid 111 (Double Weight)

Size	Qty.	Grade	Cat. No.	Price
8x10	25	1	**AG22211**	**$13.95**
8x10	25	2	**AG22212**	**$13.95**
8x10	25	3	**AG22213**	**$13.95**
8x10	100	2	**AG22242**	**$46.75**
8x10	100	3	**AG22243**	**$46.75**
11x14	10	2	**AG22402**	**$10.50**
11x14	10	3	**AG22403**	**$10.50**
11x14	50	2	**AG22422**	**$44.95**
11x14	50	3	**AG22423**	**$44.95**
16x20	10	2	**AG22602**	**$21.25**
16x20	10	3	**AG22603**	**$21.25**

AGFA Portriga Rapid 118 (Double Weight)

Size	Qty.	Grade	Cat. No.	Price
8x10	25	1	**AG24211**	**$13.95**
8x10	25	2	**AG24212**	**$13.95**
8x10	25	3	**AG24213**	**$13.95**
8x10	100	2	**AG24242**	**$46.75**
8x10	100	3	**AG24243**	**$46.75**
11x14	10	2	**AG24402**	**$10.75**
11x14	10	3	**AG24403**	**$10.75**
11x14	50	2	**AG24422**	**$44.95**
11x14	50	3	**AG24423**	**$44.95**
16x20	10	2	**AG24602**	**$21.25**
16x20	10	3	**AG24603**	**$21.25**

Kodak Chemistry

Type	Size	Cat. No.	Price
D-76 Developer	1 gal.	KP02000	$ 3.75
HC-110 Developer	16 oz.	KP02002	$12.50
Technidol LC Developer	3 pt.	KP02003	$ 7.95
Technidol LC Developer	3 x 1 pt.	KP02004	$ 3.95
T Max Developer	1 gal.	KP03001	$ 5.95
Microdol X Developer	1 gal.	KP02006	$ 4.75
Dektol Developer	1 gal.	KP02012	$ 3.75
Dektol Developer	5 gal.	KP02014	$14.50
Indicator Stop Bath	16 oz.	KP02024	$ 3.75
Indicator Stop Bath	1 gal.	KP02025	$20.75
Kodak Fixer	1 gal.	KP02016	$ 3.50
Kodak Fixer	5 gal.	KP02018	$13.50
Rapid Fixer	1 qt.	KP02020	$ 6.25
Rapid Fixer	5 qt.	KP02022	$17.75
Hypo Clearing Agent	5 gal.	KP02026	$ 3.75
Rapid Selenium Toner	1 qt.	KP02010	$12.50
Direct Positive Dev. Kit	1 qt.	KP02008	$20.75
Kodalith AB Developer	2 gal.	KP02028	$ 9.75
Hypo Clearing Agent	1.25 gal.	KP02070	$ 1.95
Sodium Sulfite	1 lb.	KP02074	$ 4.90
Photo Flo-200	4 oz.	KP02080	$ 2.45
Kodak Film Cleaner	4 oz.	KP02072	$ 3.75

AGFA Chemistry

Size	Type	Cat. No.	Price
500ml Rodinal	One Shot	AG00502	$7.95
1250ml Neutol	One Shot	AG00514	$6.75

Ilford Chemistry

Type	Qty.	Cat. No.	Price
Multigrade Developer	½ Gal.	IL0100	$13.95
Multigrade Fixer	½ gal.	IL0110	$ 8.50
ID 11	1 gal.	IL0160	$ 3.75
Microphen	1 gal.	IL0170	$ 3.75
Perceptol	1 gal.	IL0180	$ 5.50
Ilfotec	28 oz.	IL0190	$13.95

Jobo Chemistry

Type	Size	Cat. No.	Price
Photocolor II Kit	1.5 liter	JB2900	$13.95
Photocolor II Developer	6 liter	JB2905	$21.95
Chrome-Six Kit	1200 ml.	JB2910	$19.95
Chrome-Six Developers	5 liter	JB2915	$39.95
Photocolor II/Chrome-Six Blx.	4/5/6 liter	JB2920	$19.95

Ilford Cibachrome All

The new All print materials offers improved direct positive color prints from slides. All features reduced contrast which simplifies printmaking, improved accurate color reproduction with more saturation, simplified processing offers four three-minute steps. CIBACHROME also features outstanding dye stability for maximum permanence. Available in glossy (G) or high-lustre pearl (PL) surfaces.

Cibachrome A II Glossy

Size	Qty.	Cat. No.	Price
8x10	10	IL41200	$15.95
8x10	25	IL41210	$36.95
8x10	50	IL41220	$71.95
11x14	10	IL41400	$24.95
11x14	25	IL41410	$59.95
16x20	10	IL41600	$54.95

Cibachrome A II Pearl

Size	Qty.	Cat. No.	Price
8x10	10	IL51200	$ 7.95
8x10	50	IL51220	$36.95
11x14	10	IL51400	$13.50
11x14	50	IL51420	$62.95
16x20	10	IL51600	$26.95

Cibachrome A II Transparency Film

Size	Qty.	Cat. No.	Price
8x10	10	IL61200	$19.95

Cibachrome P-30 Chemistry

Qty.	Cat. No.	Price
2 liter	IL0125	$27.95
6 liter	IL0120	$64.95

Cibachrome Retouch Colors
IL0130 ..... **$16.95**

Cibachrome Color Printing Filters
Nineteen filters to color correct your slides, or to use in achieving special creative effects.
6" x 6" Printing Filters
IL0066 ..... **$28.95**
3½" x 3½" Printing Filters
IL0060 ..... **$13.95**



Ilford Value Pack

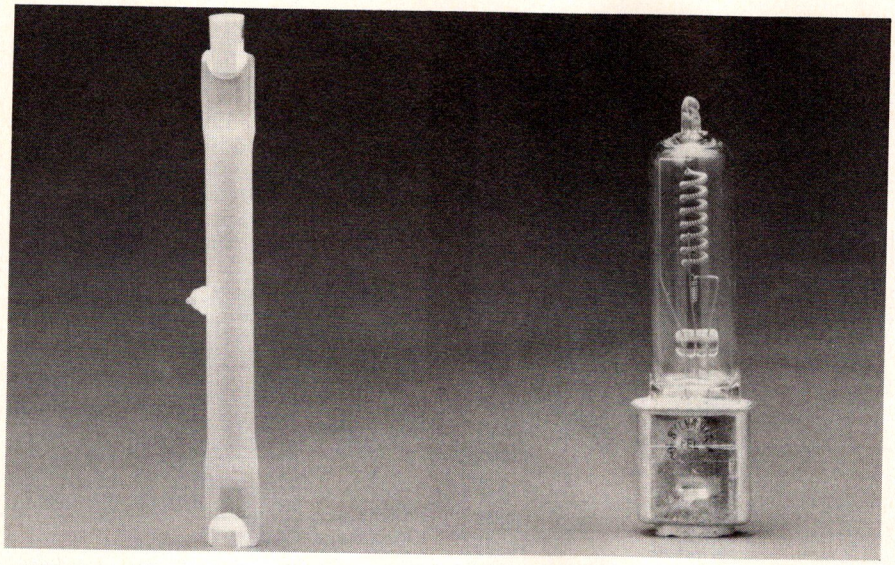
Mutigrade FB or Multigrade II glossy paper in 25 sheet 8 x 10 packages, an instruction manual, and a set of 11-3½" x 3½" filters.
Multigrade FB Value pack
IL20000 ..... **$23.50**
Multigrade II Value pack
IL20002 ..... **$19.95**

Agfa Black & White Film

Agfapan 25—Slow speed negative film with extra fine grain and superb definition.
Agfapan 100—Medium speed film with high definition, fine grain, and good processing latitude.
Agfapan 400—High speed film which is ideal for general purpose large format photography.

Agfa Black & White Film

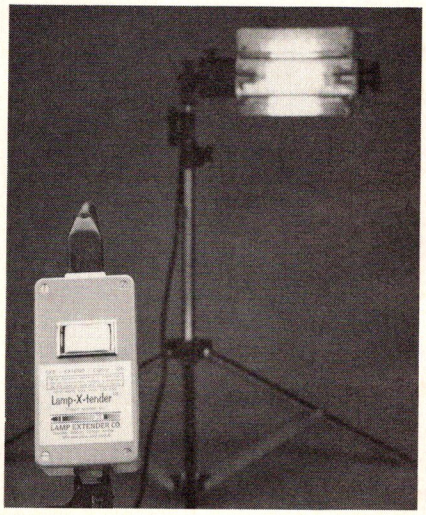
Type	Size	Qty.	Cat. No.	Price
Pan25	4x5	25	AG00100	$ 6.95
Pan100	4x5	25	AG00110	$ 6.95
Pan400	4x5	25	AG00120	$ 6.95
Pan25	120	10 rolls	AG00300	$13.50
Pan100	120	10 rolls	AG00310	$13.50
Pan400	120	10 rolls	AG00320	$13.50
Pan 25	135-36	10 rolls	AG00400	$20.50
Pan100	135-36	10 rolls	AG00410	$20.50
Pan400	135-36	10 rolls	AG00420	$20.50



Replacement Lamps and Bulbs

ANSI Code

BCK	**WI1192**	**$24.95**
BEC	**SY1035**	**$17.50**
BEJ	**SY1040**	**$12.95**
BHB	**WI1193**	**$19.95**
BHH	**GE3900**	**$8.95**
BVE	**WI1194**	**$28.95**
CAL/CXP	**WI1195**	**$11.95**
CAR	**WI1197**	**$9.95**
CWA	**WI1198**	**$18.25**
CZA/CZB	**WI1200**	**$13.95**
DAY/DAK	**WI1205**	**$10.95**
DDM	**WI1206**	**$16.75**
DEK	**WI1207**	**$13.75**
DNF	**WI1208**	**$17.95**
DYH	**WI1085**	**$19.95**
DYS/DYV/BHC	**WI1000**	**$18.95**
EAJ	**GE4105**	**$12.95**
ECA	**GE4100**	**$2.75**
ECT	**SY4025**	**$3.25**
ECV	**GE4120**	**$14.95**
EGR	**WI1100**	**$52.95**
EGT	**WI1105**	**$58.00**
EHA	**WI1210**	**$27.25**
EHF	**WI1005**	**$34.95**
EHT	**WI1110**	**$18.95**
EHZ	**WI1010**	**$23.95**
EJG	**WI1020**	**$23.95**
EJL	**WI1215**	**$15.50**
EKB	**WI1030**	**$22.95**
EKD	**WI1035**	**$19.95**
ELC	**WI1220**	**$14.25**
ELH	**WI1130**	**$16.95**
EMD	**WI1040**	**$23.95**
EMM/EKS	**WI1222**	**$17.75**
ENX	**WI1225**	**$18.50**
ESP	**WI1095**	**$20.95**
ESS	**WI1080**	**$18.95**
EXR	**WI1233**	**$17.50**
EYB	**WI1235**	**$14.95**
FAL	**WI1240**	**$16.75**
FBX	**WI1115**	**$20.95**
FCB	**WI1245**	**$17.50**
FCM	**WI1045**	**$22.95**
FCS	**WI1247**	**$3.75**
FCZ	**WI1050**	**$19.95**
FDF	**WI1055**	**$22.95**
FDN	**WI1060**	**$22.95**
FEL	**WI1125**	**$29.95**
FER	**WI1260**	**$35.95**
FEV	**WI1070**	**$24.95**
FEY	**WI1120**	**$67.95**
FFJ	**WI1250**	**$18.95**
FHM	**WI1075**	**$22.95**
FHS	**WI1255**	**$17.75**
PH140	**GE4130**	**$7.95**
PH211	**GE4140**	**$2.95**
PH212	**GE4145**	**$2.95**
250Q/F/DC/120	**SY7010**	**$21.95**



Lamp-X-Tender

The special design of the Lamp-X-Tender reduces both tungsten evaporation and high inrush current; two of the primary factors attributed to tungsten filament burnout. In addition to extending lamp life, the Lamp-X-Tender features a three-position switch which can cut output of lamps, giving the photographer enough light to view the subject, but reducing the heat of the lamp and its housing. Switch back to normal for full output and rated color temperature. Switch is rated by Underwriters Laboratories for 20-amp operation, or 10 amp "L" (lamp) operation. The control can be used for any photo lamp up to 1000 watts.

AA1050 ..... **$29.95**

Varta Batteries

These West German batteries feature extremely high quality control standards. Varta batteries have an increased case capacity that gives almost 30% more power. Also, Varta batteries will never leak while in normal service. Varta's Nickel-Cadmium batteries can be recharged up to 1,000 times. In addition, Varta's Camera batteries are made with pure alloys - no cheap substitutes are used.

Varta High Power Alkaline Batteries

AA 1.5V (4-Pack)	**VB4206**	**$2.95**
AAA 1.5V (4 Pack)	**VB4203**	**$4.25**
C 1.5V (2 Pack)	**VB4014**	**$3.95**
D 1.5V (2 Pack)	**VB4020**	**$4.95**
9V (1)	**VB4022**	**$2.50**

Varta Bulk Pack Alkaline Batteries

AA 1.5V (40)	**VB4007**	**$26.95**
C 1.5V (20)	**VB4015**	**$34.95**
D 1.5V (20)	**VB4021**	**$44.95**

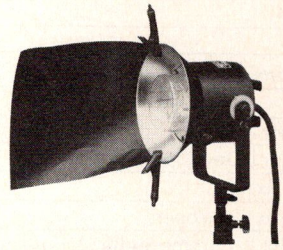
Varta Nickel-Cadmium Batteries

- All ni-cad batteries, except 9V, require battery holder and charger.
- Before using ni-cad batteries, make sure your equipment is compatible with them.

AA Rechargeable (2)	**VB5206**	**$2.50**
AA Battery Holder	**VB5207**	**$2.25**
C Rechargeable (2)	**VB5214**	**$6.95**
C Battery Holder	**VB5215**	**$2.60**
D Rechargeable (2)	**VB5220**	**$7.95**
D Battery Holder	**VB5221**	**$2.60**
9V (1) Rechargeable	**VB5022**	**$8.95**
Battery Charger	**VB0102**	**$6.50**

Varta Camera Batteries

V28PX 6V Silver Oxide	**VB4028**	**$7.95**
V76PX 1.35V Silver Oxide	**VB4075**	**$1.95**
V625PX Mercury	**VB4625**	**$1.60**
V675PX Mercury	**VB4677**	**$1.25**
CR ⅓ N Lithium	**VB6131**	**$4.75**

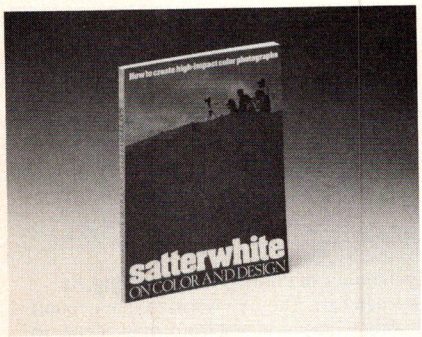


Rosco Matte-Black Cinefoils

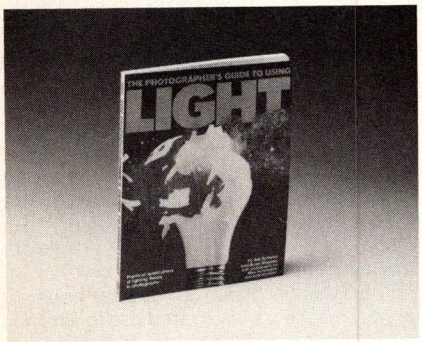
This specially fabricated aluminum is designed to thoroughly absorb light and is ideal for masking light leaks and/or eliminating unwanted light on your sets. This flexible sheeting can be molded to form barndoors or to flag lights in other masking configurations. Packaged in convenient dispenser boxes.

24" x 25' Cinefoil	**RC5024**	**$21.95**
12" x 50' Cinefoil	**RC5012**	**$21.95**

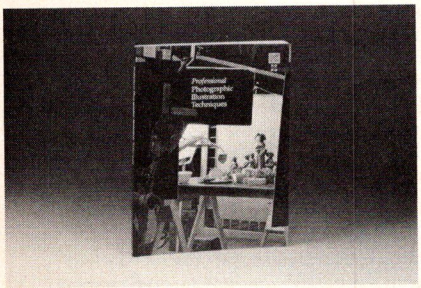




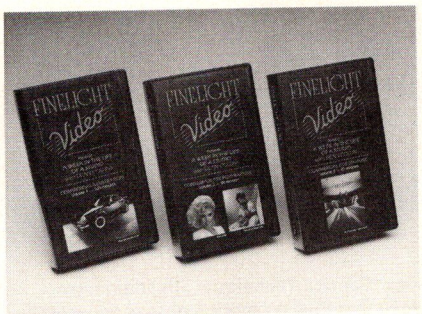
Satterwhite on Color and Design, by Joy and Al Satterwhite. In three major sections – editorial, corporate and advertising photography – Al Satterwhite provides a running commentary which details the creative and technical challenges involved with each shoot. Also, complete analysis of the logistics and business background is discussed by his wife and studio manager, Joy.
AH2030 ..... **$18.95**



The Photographer's Guide to Using Light, by Ted Schwarz and Brian Stoppee. The first book on lighting to bridge the gap between theory and applications, this vital course for photographers details the principles and properties of natural and artificial light – as well as combinations of the two. Comparative examples and diagrams help to put theory into practice. 144 pages
AH2035 ..... **$18.95**



Professional Photographic Illustration Techniques. Intended to help commercial photographic illustrators sharpen skills and use time and tools more efficiently. More than 120 color illustrations – many with lighting diagrams - along with descriptive captions by the photographers themselves. Includes many tips on lighting techniques, food photography and preparing prints for reproduction.
KB1580 ..... **$7.50**



Finelight Video Series

A new dimension in photographic education. Learn at your own pace from one of todays foremost educators, Dean Collins.

Volume #1: Commercial Illustration
From simple table tops to full studio productions, learn what goes into a successful product shoot. (103 min.) VHS
FL0201 ..... **$79.95**

Volume #2: Contemporary Portraiture
This diverse tape covers both studio and location portraiture, explaining lighting, background and exposure manipulation. (98 min.) VHS **FL0202** **$79.95**

Volume #3: Commercial Portraiture
Photographing people for commercial applications is creatively covered in this informative tape. (85 min.) VHS
FL0203 ..... **$79.95**



Cricchio's Video Guide to Professional Photography

Frank E. Cricchio, Master of Photography, Photographic Craftsman, leads you through his own successful techniques.

Module I: This three part tape covers how to achieve the perfect color negative in studio operation, the four uses of a second main light and establishing your working ISO for VPS III film. (78 min.) VHS
CV2001 ..... **$79.95**

Module II: Emphasizes high-key portrait techniques, background/subject lighting ratios and posing the female form. (50 min.) VHS
CV2002 ..... **$79.95**

Module III: Shows the best selling poses and lighting for invitation portraits of couples, and poses for male executives. (48 min.) VHS
CV2003 ..... **$79.95**

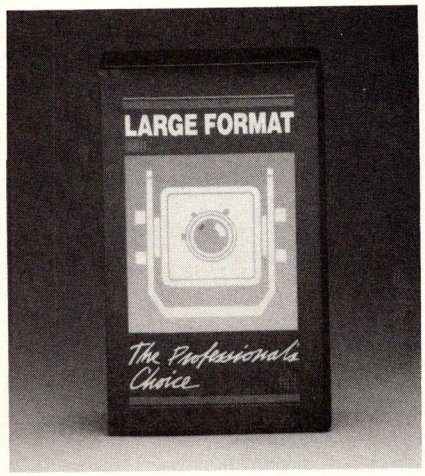
Notice: Video tapes are non-returnable. Defective tapes are exchangeable for same title only.

Module IV: This tape demonstrates the basic and elegant posing of bridal studio portraits with special emphasis on proper positioning of hands and bridal bouquet. (55 min.) VHS
CV2004 ..... **$79.95**

Module V: Classical glamour "boudoir" techniques are illustrated, highlighting posing, props and camera accessories and other successful techniques. (52 min.) VHS
CV2005 ..... **$79.95**

Module VI: A continuation of Module V, with added demonstrations, as well as five basic poses for teenage portraits. (45 min.) VHS
CV2006 ..... **$79.95**

Module VII: A posing guide and explanation of the top photographs of Frank E. Cricchio. (51 min.) VHS **CV2007** **$79.95**



Large Format—The Professional's Choice

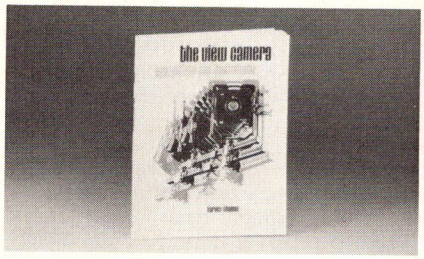
Are you intimidated by the thought of mastering the movements of the view camera? Are you a self-taught view camera user unsure of your complete understanding of this versatile tool? Calumet's instructional video and illustrated workbook are designed to remove the mystique of view camera operation. By studying "Large Format – The Professional's Choice," you will learn why large format is so essential to high quality photography, what advantages it offers over other formats and, most importantly, how to master its image control movements.

This 25 minute, high quality video takes you thru initial camera setup, lens selection, focus and shape control in a narrative storyline. The 48 page, illustrated workbook details the view camera's anatomy, its accessory system, large format lens optics, step-by-step film loading procedures and it offers a quick visual reference guide to the cause and effect of each camera movement. This combined package is the ideal starting point for anyone considering large format photography and will act as a handy reference source for years to come.

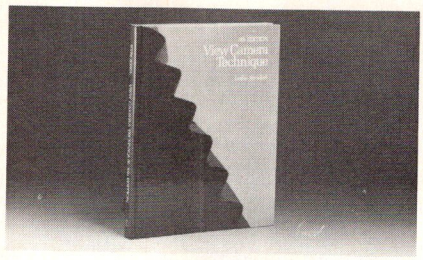
"Large Format – The Professional's Choice" BETA Tape and 48-page Workbook
CV1000 ..... **$49.95**

"Large Format – The Professional's Choice" VHS Tape and 48-page Workbook
CV1100 ..... **$49.95**

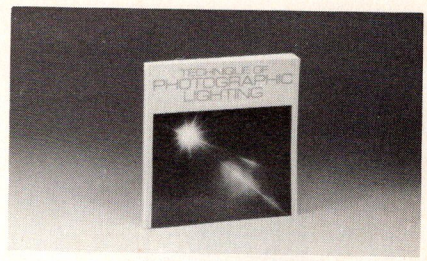
EDUCATION
Books
Finelight Lighting Course



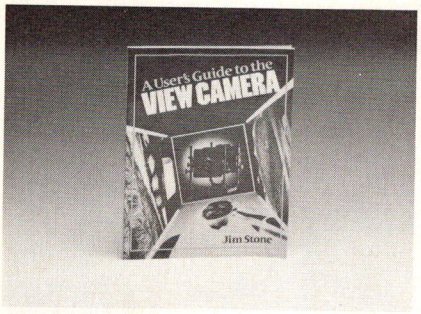
The View Camera: Operations and Techniques, by Harvey Shamen. An all-inclusive, self teaching manual for photographers who may never have operated a view camera before. 128pp. 8½ x 11. Color and B & W illustrations. (paperback)
AH1025 ..... **$12.95**



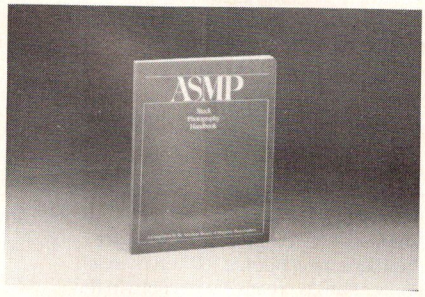
View Camera Technique, 5th Edition, by Leslie Stroebel. A comprehensive, generously illustrated text in a field that has been neglected too long in photographic literature. 312 pages, 9½" x 7". 353 photographs. 119 diagrams.
FP1005 ..... **$29.95**



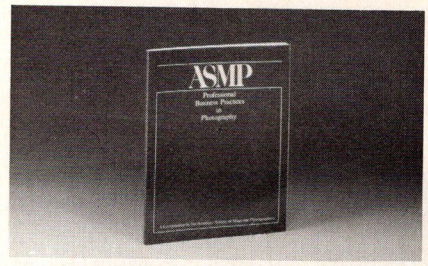
Techniques of Photographic Lighting, by Norman Kerr. The best book we have found dealing with everything from what light is, to how to control it. If you are genuinely interested in understanding the nature of light in photography, this book will be a welcome tool. **AH1080** **$12.95**



A User's Guide to the View Camera by Jim Stone. Covers everything from use of the large format camera to exposure, development, and printing. Stone's practical advice is easily comprehensible, and his interesting selection of illustrations, many from historical, commercial, journalistic and fine arts sources, help clarify each point clearly. 168 pages. **AH2070** **$24.95**



ASMP: Stock Photography Handbook. This new 176 page book contains invaluable information on the subjects of producing stock images, using and choosing a stock agency, direct selling, principles of selling stock, and the art of negotiation. Also included are chapters on forms and contracts, copyright, computers, a photographer's estate and settling disputes.
AS8016 ..... **$24.95**



ASMP: Professional Business Practices in Photography This new Fourth Edition covers many professional areas in much greater detail than any of the three preceding editions, plus includes a revised advertising assignment section. Also included is a survey of a range of rates being charged by a cross-section of photographers in 1985. This 112 page book has become the standard reference to anyone selling photos to publishers and agencies.
AS8015 ..... **$27.50**



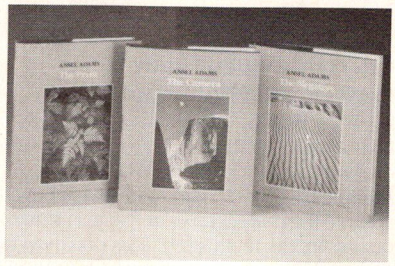
FINELIGHT Set: Volume V This new 12-part series is a unique educational publication devoted to professional lighting techniques. Each issue explores new approaches to creative image making through the evolution of a feature photograph. The reproduction quality of this four-color series is truly exceptional. Issued monthly, beginning in January, 1987. If you order after January, you will receive all previously published issues. Includes hard case. **FL0187** **$50.00**

FINELIGHT Set: Volume IV (12 issues)
FL0186 ..... **$40.00**

FINELIGHT Set: Volume III (12 issues)
FL0185 ..... **$40.00**

FINELIGHT Set: Volume II (12 issues)
FL0184 ..... **$40.00**

Ansel Adams Photography Series

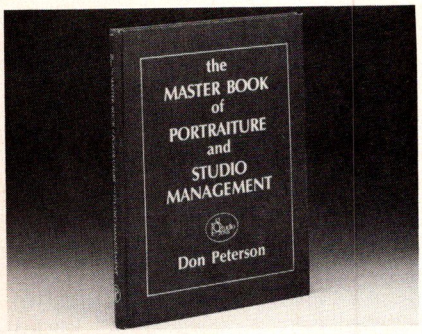


This new Ansel Adams Photography Series is must reading and reference for ANY serious photographer. These quintessential volumes, written by the master photographic technician of this century, cover a vast amount of territory, both in concept and detail. This newly-revised series is the most up-to-date and comprehensive technical reference source on the market today, and represents the highest quality in image-making, both in form and content.

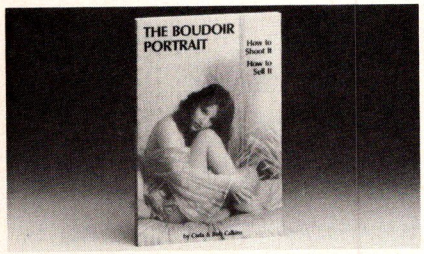
The Camera: Book 1 Adams' definitive new text on the making of photographs. Detailed descriptions of the basic equipment of photography and the techniques for using it creatively through *visualization and image management.* 130 b & w ills. 40 technical drawings. 224 pp. 7½ x 9½ ins. 1980.
AH1033 ..... **$24.50**

The Negative: Book 2 Enlarges on *visualization,* discussed in *The Camera,* to include the factors that govern the tonal values of the image, as recorded on the negative. The early chapters are devoted to a discussion of light, film, and exposure, and their effect on the negative image. This is followed by a step-by-step, detailed account of the Zone System.
AH1042 ..... **$24.50**

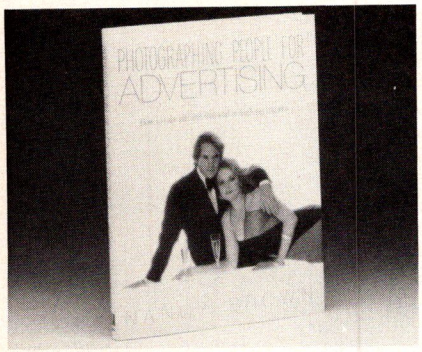
The Print: Book 3 The technical information is clear and concise, starting with the basics – designing and furnishing the darkroom and making the first print – and proceeding to the most advanced methods for achieving a fine print, such as developer modifications, toning and bleaching, and subtle burning and dodging. The text includes sections on the finishing and display of prints, processing for archival quality, and sensitometry. **AH1053** **$24.50**



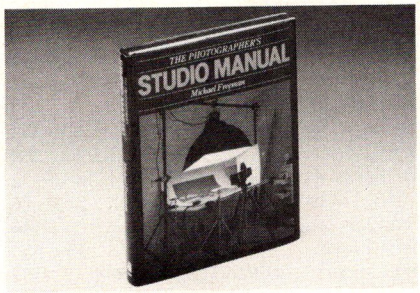
The Master Book of Portraiture and Studio Management, by Don Peterson. This 147-page book features 30 brief, yet thorough chapters focusing on a studio's day-to-day operation as the theme of creating success through product, people and promotion. No other book on this subject is as practical and indispensible to the working pro. Creatively written by one of photography's great teachers. **AA2000** **$27.95**



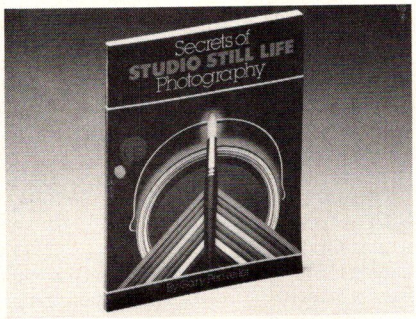
The Boudoir Portrait—How to Shoot It and How to Sell It, by Carla and Bob Calkins. This book tells you exactly how to prepare and make up the subject, what the basic poses are, how to do corrective posing and, most importantly, how to sell the product.
AA2005 ..... **$18.95**



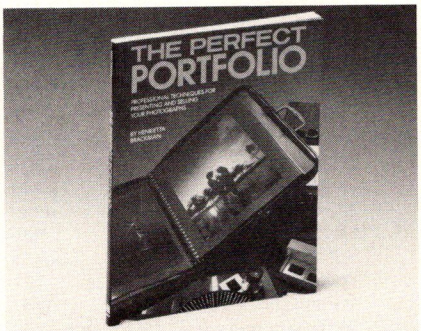
Photographing People for Advertising, by Nancy Brown. This book reflects Nancy Brown's own evolution as an advertising photographer and includes topics on everything from the importance of testing to handling professional assignments. Her work, both in the studio and on location, is marked by a clean, casual style, and, in this book, demonstrates the natural progression of the photographic techniques and marketing efforts needed to break into the high-paying field of advertising photography.
AH2000 ..... **$18.95**



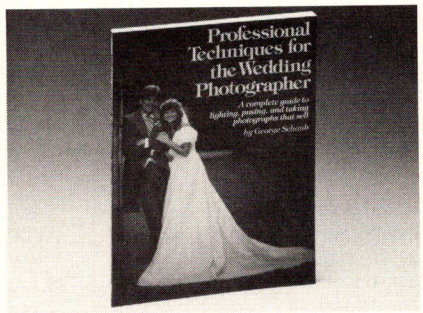
The Photographer's Studio Manual, by Michael Freeman. This 256-page book is designed for anyone contemplating setting up their own studio. This heavily illustrated book discusses layout considerations, equipment needs and demonstrates various lighting techniques, and will provide you with practical, money-saving ideas for the home and professional studio.
AH2005 ..... **$27.50**



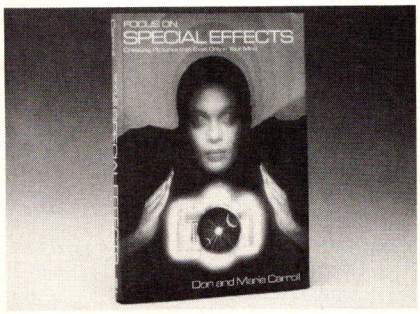
Secrets of Studio Still Life Photography, by Gary Perweiler. This fascinating book offers the ultimate in understanding of what makes (or breaks) a still life photograph. Written by one of New York's most creative minds, this book is essential reading for anybody who is interested in mastering the art of still life photography. Over 100 color plates are used, along with 50 line drawings to illustrate this 144-page book.
AH2010 ..... **$18.95**



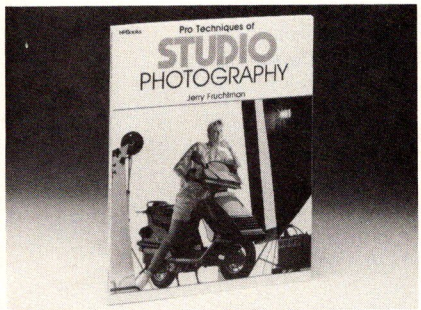
The Perfect Portfolio, by Henrietta Brackman. Whether you are a student of photography or a proven professional, this excellent book should be required reading. It is rich with details which will guide you towards the best possible presentation of your photographs, making you and your work more saleable. 144 pages of good, sound advice.
AH2015 ..... **$18.95**



Professional Techniques for the Wedding Photographer, by George Schaub. For those just getting started in wedding photography, this book offers 144 pages of helpful tips and guidance. Learn lighting and posing techniques that are proven winners. This book will show you how to take all of the pictures your clients expect to see in their finished albums – from formal portraits to candid shots at the reception, and serves as a reference to successful business practices.
AH2020 ..... **$18.95**



Focus on Special Effects—Creating Pictures That Exist Only in Your Mind, by Don and Marie Carroll. This stimulating 184-page book provides step-by-step illustrated examples of how to use multiple exposures, sandwiching, montage and duplication. Give your imagination something to think about.
AH2025 ..... **$27.50**



Pro Techniques of Studio Photography, by Jerry Fruchtman. This comprehensive 144-page book concentrates on the execution of successful studio techniques – from still life to fashion. Lighting is covered extensively, including equipment and applications. This book features 120 of Fruchtman's most inspiring photographs, telling how each was made.
BR2050 ..... **$14.95**

INDEX

A

Adapters: Filter 76
Light Stand 103
Air Compressor 143
Air Release 33
Analyzers 132, 133
Archival Storage Supplies 157-161

B

Backdrop Paper 104
Background Supports 118
Backlite Stand 102
Bags: Camera 28, 63
Tripod 60
Ball Head 57, 67
Barndoors ..... (see Brand Listing)
Batteries 170
Battery Packs ..... 97, (see Brand Listing)
Bellows ..... 12, 17, 27, (see Brand Listing)
Books 171-173
Boom Arm 102, 103, 119
Brushes, Anti-Static 147
Bulbs 170

C

Cable Releases 33
Cameras: 35mm 53-55
Field 28, 29
I.D. 54
Instant 55
4x5 ..... 2-11, 22-23, 28
8x10 ..... 18-21, 24
Medium Format 46-52, 55
Passport 54, 55
Speciality 55
Camera Stands 64-67
Cart, Equipment 61
Cases: Camera 15-16, 25, 30, 31, 61-63
Equipment 61-62
Tripod 60
Center Filters 39
Changing Bags 33
Chemicals 165, 169
Chemical Mixer 146
Chemical Storage 146
Clamps 99, 105, 119
Cold Light Source 126
Colorhead ..... (see Brand Listing)
Compressed Air 147
Contact Print Frames 128
Contrast Control Mask 125
Copy Equipment 120, 121, 162
Cords, Flash/Sync 96

D

Darkroom Doors 140
Dark Slides 32
Densitometers 132, 133
Developing Reels 144, 145
Developing Tanks 143, 144, 145
Developing Trays 142
Diffusion Screens 117
Drums, Processing 136, 145
Dry Mount Supplies/Presses 155
Dryers, Film/Paper 150, 151
Dust Removers 147

E

Easels: Adjustable 128-129
Borderless 129
Copy 120
Multi-Print 129
Vacuum 128
Electronic: Flash 78-97
Slaves 96
Enlargers 122-125
Enlarger Alignment Tool 147
Enlarging Lenses 127
Enlarging Timers 130
Envelopes: Print 158, 159, 161
Glassine 161
Exposure Calculator, Camera 34
Exposure Meters 68-70
Extension Bellows ..... (see Brand Listing)
Extension Tubes ..... (see Brand Listing)

F

Fans, Exhaust 141
File Pages, Negative/Slide 158-161
Film 163-166, 169
Film Backs: 4x5 ..... 14, 26, 29, 32
8x10 ..... 17, 26
Film Clips 146
Film Dryers 150, 151
Film Holders: (see Brand Listing) Sheet 32
Instant 32, 47
Roll 27, 32
Film Washers 148, 149
Filters: Center 39
Gelatin 75
Lighting 117
Printing 167, 169
Safelight 131
Taking 71-75
Filter Adapters 76
Filter Holders 77
Filter Frames 77
Flash: Studio 78-92
Brackets 97
Cords 96
Portable 88, 92
Meters 68-70
Monolights 92
On-Camera 93-95
Slaves 96
Fluid/Cine Heads 57, 59
Focusing Cloth 33
Focusing Hood ..... (see Brand Listing)
Focusing Screen ..... 47, (see Brand Listing)
Fog/Smoke Machine 116
Fresnel Lens 14, 26
Funnels 146

G

Gas Burst Timer 143
Glassine Envelopes 161
Glide Rail System 85
Gobos 105
Graduates 146
Grain Focusers 126
Ground Glass 14, 26, 47

H

Hangers, Film 144

L

Lensboard/Adapters ..... (see Brand Listing)
Lens Cleaner 35
Lens Hoods: Fixed 76
Compendium 13, 17, 28, 51, 77
Lenses: 35mm ..... (see Brand Listing)
Enlarging 127
Large Format 36-43
Medium Format ..... (see Brand Listing)
Multi-Print 125
Soft-Focus 43
Split-Image 27
Variable Focal Length 41
2X Tele-converter 34
Light Stands/Accessories 102-103, 105
Light Control: Cinefoil 170
Filters 117
Gobos 105
Louvers 82
Panels 112, 113
Polarizing 117
Reflectors 104, 110, 115
Scrims 105
Soft Boxes 82-84, 106-108, 110-111
Lighting: Flash 78-97
Tungsten 98-101
Louvers, Darkroom 141

M

Magnifiers: Grain 126
Lupes 26, 34, 35
Mailers, Processing 165
Mat: Cutter/Trimmers 154
Darkroom Floors 140
Meters: Hand Held 68-70
4x5 ..... 27, 69
Mini-Spotlite 101
Mixers, Chemical 146
Monolights 92
Monopods 56
Motor Base 145
Mounting Equipment/Supplies 155

N

Negative Carriers ..... (see Brand Listing)
Negative Preservers 158-161

P

Paper: Enlarging 165, 167-169
Cutters/Trimmers 154
Safes 147
Photoflood Bulbs 170
Photoflood Lights 101
Portfolio Cases/Mounts 157
Posing Stools/Tables 104
Pouch, Lens/Equipment 31
Press, Dry Mount 155
Print Frames 128
Print Tongs 142
Prism Finders ..... (see Brand Listing)
Processors 134-136
Proofers 128, 129
Props 116

Q

Quartz Bulbs 170
Quartz Lights 98-101

R

Reels: Adjustable 144, 145
Stainless 145
Reflectors: Flat 104, 112-115
Umbrellas 82, 83, 109-111
Reflex Viewing Hoods ..... (see Brand Listing)
Release Paper 155
Roller Base 145
Roll Film Adapter 14
Revolving Backs 26

S

Safelights 131
Screw Drivers 35
Scrims 105
Seamless Paper 104
Shipping Cases 161
Shooting Table 104
Shutter Tester 44
Shutters 44
Sinks: ABS 139
Stainless Steel 137-138
Slaves, Flash 96
Slide: Storage Boxes 159, 161
Duplicators 121
Mounts 160, 163
Pages 158, 160, 161
Viewers 35, 156
Slide Mounting Units 160, 163
Snoots ..... (see Brand Listing)
Soft Boxes 82-84, 106-108, 110-111
Spanner Wrenches 35
Spirit Levels 14, 34
Spray Booth 140
Squeegees 146
Stands: Background 118
Camera 64-67
Cases 60
Copy 120
Light 84, 102-103
Static Brushes 147
Step-Up/Step-Down Rings 76

Stools, Posing 104
Storage: Print/Negative/Slide 157-161
Chemical Tanks 146
Strobes: Studio 78-91
Brackets 97
On Camera 93-95
Portable 88, 92
Strobe Heads: Bare Bulb 81, 90, 95
Multi-Tube 80, 86, 90, 91
Circular Flash 81
Linear Head 81
Monolights 92
Spot-Lite 81, 89
Sync Cords 96

T

T-Mount Adapters 121
Tacking Iron 155
Tanks, Chemical 146
Tanks, Developing 143-145
Tape, Gaffer and Masking 96
Temperature Control, Water 143, 152, 153
Thermometer 145
Timers, Darkroom 130
Tongs, Print 142
Trays, Developing 142
Trimmers, Paper 154
Tripods 56-60
Tripod: Cases 60
Dollys 59
Quick Coupler 27
Reducer Bushing 33
Tripper, Flash 96

U

Umbrella Adapters/Mounts 95, 105, 119
Umbrellas 82, 83, 109-111

V

Vacuum Boards 128
Ventilators 141
Video: Instructional Tapes 171
Lights 100
Tripods 57, 59
Viewers/Sorters 156
Viewing Filters 35
Vignetting Systems 51, 77

W

Washers, Print and Film 148-149
Water Filters 152
Weights, Stand 103, 116

to order call toll free
1-800-CALUMET
1-800-225-8638
For fast delivery, call Monday through Friday 8 a.m. to 5:30 p.m. central time). Place orders with VISA, MasterCard, American Express or Optima Card from anywhere in the Continental United States.

BRAND LISTING

Acculight Viewers 156
Agfa: Film 164, 169
Paper 168
Andiamo Cases 63
Apollo Soft Boxes 111
Aristo Cold Light Source 123, 126
B+W Filters 174
Beattie: Cameras 54
Intenscreens 14, 16, 53
Bencher Copy Stands 120
Beseler: Analyzers 133
Duplicators 121
Enlargers 122, 123
Processors 135
Bogen: Tripods 59
Support Systems 118
Bowens: Monolites 92
Duplicators 121
Bronica Cameras/Accessories 48, 49
Caltar Lenses 37
Calumet Cameras: 4x5 2-7
8x10 ..... 18, 19
Wood-Field 29
Accessories 12-17
Cases 25, 30, 31
Calumet Flash: System 78-85
Glide Rail 85
Luxilites 84
Umbrellas 82, 83, 109
Calumet Light Stands 102-103
Calumet Light Control Panels 112, 113
Calumet Darkroom: Drying Cabinets 151
Film Hangers 143
Processors 134
Sinks 137-139
Tanks 145
Temp. Control . 143, 153
Trimmers 154
Trays 142
Washers 149
Water Filters 152
Cambo Cameras: I.D. 54
Passport 54
4x5 8-11
8x10 20-21
Accessories 12-17
Cambo Studio Stands 64-67
Cambo Shooting Table 104
Chimera Soft Boxes 106
Cibachrome 169
Comet Studio Strobes 89
Copal Shutters 44
Domke Bags 60, 63
Durst: Enlargers 125
Processor 135
Dyna-lite Studio Strobes 91
El Nikkor Lenses 127
Fiberbilt Cases 60, 161
Fujinon Lenses 42
Gepe Slide Mounts 160
Gitzo Tripods 56-57
Gossen Meters 69-70
Goodliter Umbrellas 109
Gralab Timers 130
Gravity Works Washers 128, 148-149
Halliburton Cases 63
Hasselblad Cameras/Accessories 46-47
Horseman: Large Format Cameras 22-28
Medium Format Cameras 52
Medium Format Lenses 52
Cases 30-31
Meters 69
HP Combi Tanks 144
Ilford: Film 166
Paper 167
Processor 135
Jobo: Tanks/Processors 144, 145, 152
Darkroom Accessories .. 130, 132, 150
Kindermann 145
Kodak: Chemicals 165, 169
Film 164-166
Filters 75
Paper 167
Kostiner: Washers 148
Easels 128
Larson Light Control 110-111
Litedome Soft Boxes 108
Lightform Panels 114
LightRight Reflectors 115
Lindahl Lens Shades 51
Lisco Film Holders 32
Lowel Quartz Lighting 98-99
Lumedyne Portable Strobes 97
Majestic Tripods 58
Makina Cameras 55
Mamiya Cameras/Accessories 50-51
Matthews Lighting Accessories 105
Metz Portable Strobes 94
Minit Mask 125
Minolta: Cameras/Accessories 54
Meters 70
Nikon: Cameras/Lenses 53
Enlarging Lenses 127
Large Format Lenses 41
Novatron Studio Strobes 90
NPC Instant Film Backs 47
Omega Enlargers/Accessories 126
Oriental Paper 168
Pal Print Paper 168
Paramount Sync Cords 96
Pentax Meters 69
Photogenic Studio Strobes 88
Phototronix Densitometers 133
Plume Wafer Soft Boxes 107
Polaroid: 4x5 Film Holders 32
Auto Processors 163
Cameras 55
Film 163
MP-4 162
Prontor Shutters 44
Quantum Battery Packs 97
Richcolor Processors/Dryers 134, 150
Riteway Film Holders 32
Rodenstock: Enlarging Lenses 127
Large Format Lenses 43
Rosco Filters 104, 116-117
Rotatrim Trimmers 154
Saunders Easels 129
Schneider: Enlarging Lenses 127
Large Format Lenses 39
Seal Dry Mount Equipment/Supplies 155
Sekonic Meters 69
Smith-Victor Lighting 100-101
Speedmaster Densitometers 133
Speedotron Studio Strobes 86-87
Stroboframe Flash Brackets 97
Sunpak: Portable Flash 95
Monolights 92
Technal Copy Stand 120
Tenba Bags 28, 60
Tiffen Filters/Accessories 72-73, 76
Vivitar Flash 95
Vue-All Storage Pages 158
Wescott Umbrellas 111
Widelux Camera 55
Wood-Field Cameras/Accessories 29
X-Rite Densitometers 132
Xenophon Gel Filter Holder 77

The PHOTOGRAPHER'S CATALOG is made to order!

toll free
TECHNICAL ASSISTANCE

Our Technical Sales Representatives know our products and understand your needs. Call **1-800-CALUMET** (1-800-225-8638).

CUSTOMER SERVICE HOTLINE (312) 860-7448

Commitment To Service

Perhaps the best reason why Calumet has been so successful can be summed up in one word – SERVICE. Calumet cares about its customers and is dedicated to achieving 100% customer satisfaction. This goal is taken very seriously throughout the entire company – from the president, to the person packing your order. While everyone at Calumet shares this common commitment to service, it's most noticeable in two areas:

Professional Technical Sales Staff

Calumet's highly-trained sales staff is kept current on the latest technological breakthroughs and is extremely knowledgeable of our entire product line.

Customer Service

We all make mistakes! If something does go wrong, a dedicated, customer service line has been established to allow you direct access to this problem-solving department. Our customer service goal is to provide an immediate response to customers' needs. This dedicated staff is empathetic to your professional requirements and is trained to act in your best interest. Their command of a sophisticated system of information allows them to provide customers with fast and accurate answers. They can track any order for shipping date or method of shipment, expedite processing of credits for returned merchandise and expedite turn-around on replacement orders.

Customer service is not only the manner of the sale, but the fulfillment as well. Calumet takes pride in being effective in fulfilling customer needs. The number one goal at Calumet has always been, and will always be, 100% customer satisfaction.

How To Order

- **Order By Telephone**

To take advantage of Calumet's toll-free Order-By-Phone service, call **1-800-CALUMET** (225-8638).
Hours: Monday thru Friday
8 a.m. to 5:30 p.m.
(Central Standard Time)
For faster service, please have the following information ready before you call:

- Calumet Customer Number.
- Credit Card Number and Expiration Date.
- Calumet Item Number (6 or 7 digit number preceding price.)
- Quantity of each item.
- Description of each item.
- The price listed in the catalog.

We suggest that you use the Order Form to help you organize this information, and to provide you with a record of your order.

Price and availability will be confirmed at the time of your call. If you should require additional information, our Technical Sales Personnel will be pleased to assist you.

- **Order By Mail**

Use the enclosed Calumet Order Form. Send your mail order, with payment to:
Calumet Photographic, Inc.
890 Supreme Drive
Bensenville, IL 60106
Please call for price confirmation before you mail in your order.

COMPETITIVE PRICES

Terms of Payment

- **Credit Card Orders** ($35.00 Minimum)

Telephone and mail orders may be charged directly to your Visa, MasterCard, American Express or Optima Card. We reserve the right to hold all first-time customer orders pending cardholder address verification.

- **Check With Order**

Calumet will process your check and reserves the right to hold orders pending bank clearance on all first-time customer orders and others at its discretion.

Calumet Photographic, Inc. Limited Warranty

(Applies to Calumet, Cambo, Caltar, and Horseman brand products only.)

Calumet Photographic, Inc. warrants that Calumet, Cambo, Caltar, and Horseman brand products and all large format lenses shall be fit for the ordinary and reasonable purposes for which said products are designed and shall be free from defects in materials and workmanship from the original date of sale to the customer for one year (unless otherwise noted).

Calumet makes no other warranty of any kind with respect to these products.

Should these products require service, Calumet will repair or replace, at our option, any product or part shown to be defective in material or workmanship by our inspection.

Repairs made necessary by reason of accident, misuse or normal wear are not subject to this warranty. Calumet is not responsible for any incidental or consequential damages, inconvenience, or loss caused by product failure.

All products returned for warranty service must be properly packed and sent with proof of purchase, prepaid and insured to:
Calumet Photographic, Inc.
890 Supreme Drive
Bensenville, IL 60106

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above exclusion may not apply to you.

Warranty Repair

Warranty Repair for Non-Calumet Products
If you have a non-Calumet brand product that requires warranty service, please return it directly to the manufacturer or their authorized service center nearest you.
Warranty Repair for Calumet Products
Should you have a Calumet, Cambo, Caltar, or Horseman brand product that requires warranty service, return the item, prepaid, directly to Calumet Photographic, Inc, 890 Supreme Dr., Bensenville, IL 60106.



Shipment of Orders

Calumet will normally ship within 24 to 48 hours from receipt of order. In cases where extended backorders occur, you will be notified. We suggest that you call for current in-stock availability before sending in your order.

All merchandise will be shipped F.O.B. Bensenville, Illinois, by UPS Surface (unless otherwise specified).

Orders not shippable by UPS Surface to such addresses as APO, FPO and P.O. Box will be billed actual shipping charges. Please specify shipping method and enclose appropriate payment plus $3.00 handling.

Items too large for UPS Surface delivery are marked with a symbol next to the catalog number. Items with this symbol are shipped by truck, Freight Collect.

Please use the following shipping chart to determine your COMPLETE shipping, handling and insurance rates for UPS SURFACE shippable orders. (Call for Truck or Air Shipping charges.)

- Choose the correct Zone from which you are ordering.
- Determine the value of your order.
- Locate the corresponding shipping rate.
- Add that amount to your order in the space provided on the order form.
- THERE ARE NO HIDDEN COSTS!

TOTAL ORDER	ZONE 1	ZONE 2	ZONE 3
Under $100	$ 6.00	$ 7.00	$ 8.00
$100 to $249	$ 8.00	$ 9.00	$10.00
$250 to $499	$10.00	$11.00	$12.00
$500 to $999	$12.00	$13.00	$14.00
$1000 and over	$15.00	$16.00	$17.00

ZONE/STATE REFERENCE GUIDE (48 States Only)

ZONE 1	Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin
ZONE 2	All states not listed in Zones 1 and 3. (Alaska and Hawaii will be billed actual freight charges.)
ZONE 3	Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington

Special Orders

Calumet can Special Order non-stock items with a normal delivery time of 3-5 weeks. Due to the one-of-a-kind nature of these items, we cannot accept returns unless the item is defective. A 50% non-refundable deposit is required at the time of the order, and an order cannot be canceled after placement.

Return Procedure

1. You may return an item for any reason within 15 days from date of shipment, *except special order items, soft goods (see below), and stainless steel sinks and processors* which will be authorized for return only if shown to be defective in manufacture.
2. To qualify for return, the item must be in brand new condition, in the original undamaged packaging with all components, and the original unused warranty card.
3. To return an item, please complete the back of the receipt you received with your shipment. If you have any questions about a return, please call Customer Service: 312-860-7448.
4. The returned item must be sent to us prepaid. Returns sent C.O.D. or "shipping charges collect" will not be accepted.
5. All returns that do not meet the terms of the Calumet return policy outlined on your receipt will be subject to a minimum 15% restocking charge if accepted.

Soft Goods Return Policy
All film, paper and chemistry are non-returnable. Order carefully!

"Rush Service"

Phone orders received by 2:00 p.m. CST can be guaranteed to leave Calumet that same day for a nominal $10.00 charge. You may also request shipment via one of the rapid delivery carriers, in which case the additional freight charges will be added to your invoice.



We have made every effort to assure the accuracy of all information in THE PHOTOGRAPHER's CATALOG. However, we reserve the right to correct any errors, whether in pricing, description, specification, etc. All prices and specifications are subject to change without notice. Some prices may be subject to quantities on hand and availability.

1-800-CALUMET

Calumet Photographic
890 Supreme Drive
Bensenville, IL 60106

BULK RATE
U.S. POSTAGE
PAID
Calumet



call

1-800-CALUMET

© 1988 Calumet Photographic