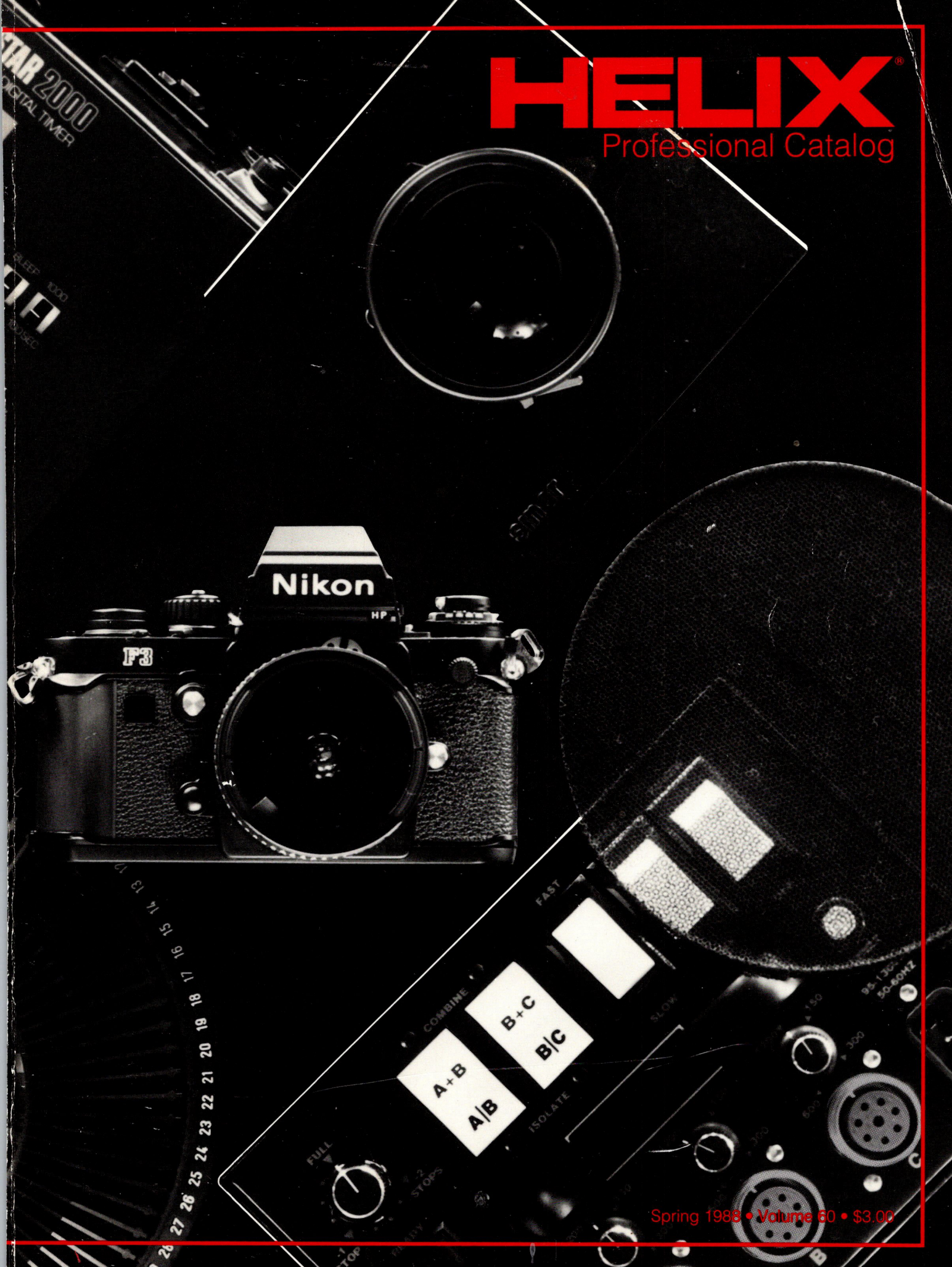


HELIX[®]

Professional Catalog



HELIX[®]

310 South Racine Avenue
Chicago, Illinois 60607

Sales: 312/421-6000
Rental: 312/421-8080

Dear Professional Photographer:

There has been a lot said lately about Nikon's unwillingness and inability to serve the needs of their professional users. Some photo dealers have even gone so far as to drop their Nikon dealerships; how this helps get their customers the merchandise they need, we're not sure.

At Helix, we have been serving the needs of our professional customers for over 24 years. Nikon has been an important supplier of ours from the very beginning. The products and service they have provided for professional photographers has not been matched by any other manufacturer or distributor.

Nikon began providing special services to their professional users in 1959, and unified and regulated their dealings with pros in 1973 by forming NPS, Nikon Professional Service. Since that time, thousands of pros have benefited from quick turn-around on their repairs, loaner equipment at special events or when their equipment was down, and technical assistance with special problems or shooting situations. Nikon also has been the one company that clearly cared about the professional use of their equipment. This is easily seen by the completeness of their system of cameras, lenses and accessories, the durability and design of all their products.

It is true that Nikon has had problems delivering merchandise of late, specifically Nikkor lenses and motor drives. Forecasts for the amount of equipment Nikon would need for 1987 were way off for two main reasons: they were misled by the back-to-back problems of large amounts of equipment coming into the US unaccounted for by Nikon USA through the "grey market", then a sharp decline in these imports when the dollar dropped against the yen. The Japanese also grossly overestimated the immediate acceptance of AF autofocus lenses, and geared production heavily to the new equipment. Nikon, unlike most other companies, makes all their own components, including the glass, for all their lenses. This meant that they could not just "job out" the design, construction and manufacture of lenses to another company when it became evident that a shortage would occur.

This lens shortage is rapidly ending, and we have been able to fill many of our backorders in the last few weeks. We expect to be back with normal stock in all Nikon products, including motor drives, within 6 months. If you have been waiting for a specific lens, please give us a call; we may either have it or know when we will be able to get it for you.

We were excited to see at the recent PMA show in Chicago that Nikon is continuing to develop new products for the professional photographer. They introduced a 500mm f4.0 ED-IF P lens, an 85mm f1.8 AF/AIS lens with rear focus, a fast 35-70mm f2.8 AF/AIS lens that retains a constant aperture and can be handled as either a 2-touch or 1-touch zoom, and a fast yet compact 80-200mm f2.8 ED AF/AIS lens that looks, handles and feels like a non-AF Nikkor. The designers (and marketing experts) in Japan seem to now realize that *autofocus is just another feature, not a design philosophy*. What Nikon does best is produce the finest combination of optical performance matched with incredible durability. We have been assured that that is what they will continue to do.

In another welcome note, Nikon has announced that the F-3HP and the FM-2 are long-term products for them. New cameras that will be introduced will complement and not replace these existing bodies.

For any of you that are full-time professional photographers but not yet members of NPS, please feel free to contact William Pekala, Manager of Professional and Technical Services, at Nikon Inc., 623 Stewart Ave., Garden City, NY 11530. You must do this in writing (on company stationery, if possible). You will be sent an invitation and application to join, which must be submitted with the sponsorship of a current NPS member. (You may also be required to submit tear sheets.)

If you are interested in any Nikon product, please contact us. Besides carrying their full line of products for 35mm, we stock Nikon large format lenses, enlarging and process lenses, and video camcorders. At Helix, we will always do our best to get you the equipment you need, not just sell you what we have in stock. Our main task, just like that of Nikon, is to make sure that our professional customers always have what they need to perform their jobs. We won't always be able to take care of you instantly, but we will always try to do our very best.

Good shooting!

Helix Professional Services Staff

HELIX[®]

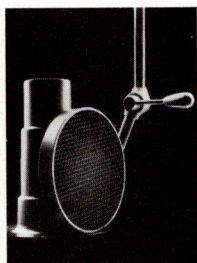
Professional Catalog

Spring 1988 • Volume 60

Thank you for considering Helix for your photo equipment and supplies. As you'll see in these pages, we have the items you want for your professional needs. We're ready to deliver your order when and where you need it. Because of our experienced staff, Helix offers more than a catalog answering service.

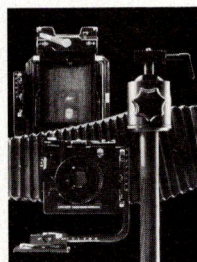
When you send or call in your order, you tap into the largest professional photo store in the USA! Because we are a full service store, you're in direct contact with people who have years of experience in providing satisfaction to the photographic community. Our staff members have a thorough understanding and knowledge of photo equipment and techniques gained through experience.

Our main store, located in the heart of Chicago's rapidly growing West Loop Photo District, has the largest stock and display area of any photo dealer nationwide. We stock products that span the full range of photography, from basic to computerized enlargers or from a simple SLR to the most sophisticated 8x10" cameras. Whether your photography business keeps you traveling to exotic locations or you create the exotic in the studio, we're ready to help you get the job done.



Lighting & Grip

pages 2-33



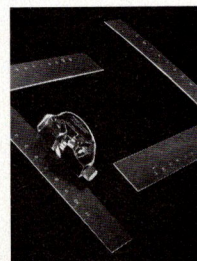
Shooting

pages 34-63



Processing & Printing

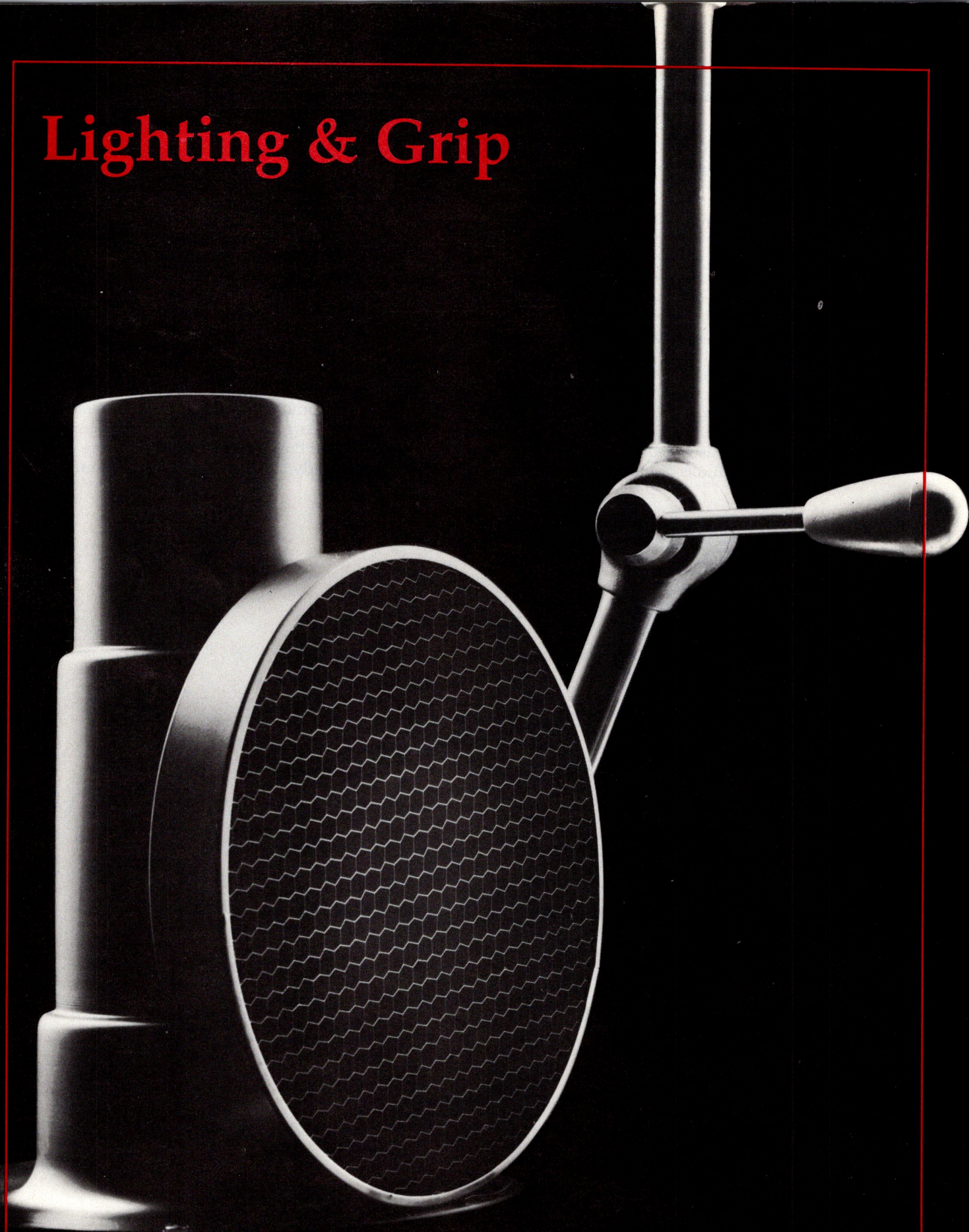
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Presentation

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Lighting & Grip



Speedotron Black Line Power Supplies

Black Line power supplies range from 800 to 4800 watt-seconds and offer versatile output from 25 through 4800 watt-seconds. The durability of the components has been proven under rigorous professional use for years. Plus, Black Line power supplies offer unrivaled ratio versatility by offering six outlets and a three channel design on most power supplies. When using full power and three 102 light units on the 2401A and 2403B, you may select any of five discrete head ratios. With the same number of light units in two channels, both units allow even more head ratio options at 1600 and 2000 Ws. With more or less heads, there are even more combinations. On the 2403B, the precision rotary output variator then allows you to bracket across 4 stops. The variator also allows 39 discrete output levels with a single 102 light unit. All five power supplies feature a standard 2-year limited warranty and for only \$75-\$125 (depending on the pack) you can extend your warranty protection an additional 3 years — for a total of 5 years of protection.

Model	Power range (Watt-seconds)	Max. power Guide No. at ISO 100	Power variation	Recycle time 100% Fast, Slow	Outlets	Weight	Approx. Size WxLxH	Price
812	100 – 800	300 w/102 light*	full/half	.06, .95 (sec.)	4	17 lbs.	9x11x7"	\$ 665.00
1205	37 - 1200	365 w/102 light*	2 stop range	1.0, 2.6 (sec.)	4	15 lbs	6.5x8.75x10"	\$ 990.00
2401B	200 – 2400	520 w/102 light*	none	2, 5 (sec.)	6	25 lbs.	9x12x14"	\$ 1300.00
2403B	25 – 2400	520 w/102 light*	3 stop range in 1/3 stop increments	2, 5 (sec.)	6	28 lbs.	9x12x14"	\$ 1485.00
4803	200 – 4800	720 w/106 light*	3 stop range in 1/3 stop increments	4, 10 (sec.)	6**	43 lb.	9x14x14"	\$ 1980.00

* 60°, 11-1/2" reflector

** 2 for 106, 4 for standard socket heads

Black Line Light Units

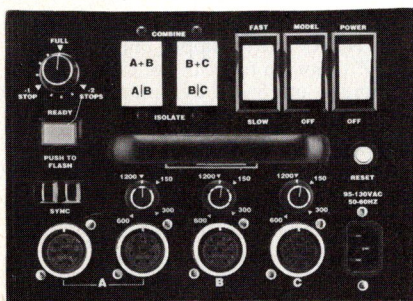
Like the power supplies, Speedotron builds these lights with the same attitude toward durability: to give the photographer the most reliable unit. To achieve that goal, flash tube designs are tested to meet a minimum duty cycle requirement of 100,000 flashes. Four of the light units feature an efficient cooling fan to prevent misfires and early tube failure with Speedotron's extremely fast recycle rates.

Important: All current Speedotron flash tubes are available with 5500°K, UV coated shells. Helix is stocking the light units with UV coated tubes and with clear tubes. Please specify your preference when ordering. The 102 and 103 are stocked with 7" , 110° reflectors. The 104 and 106 are stocked with 11-1/2" , 60° reflectors. The 105 is supplied with an accessory mounting collar for light bank mounting.

Model	Flash tube – maximum Ws	Characteristics	Flash duration	Model light	Price UV Coated/Clear
102	MW8QVC – 3200	fits all power supplies & all univ. accessories; w/fan	1/210 @ 2400Ws	250W	\$ 288.00/279.00
103	MW9QC – 2400	fits all power supplies (not recommended for extended multiple popping); w/o fan.	1/450 @ 2400Ws	150W	\$ 270.00/260.00
104	MW3QVC – 1200 (4)	fits all power supplies, 4800 Ws max. output – (4) cables; w/fan	1/500 @ 2400Ws	250W	\$ 639.00/585.00
105	MW24QC – 2400 (4)	fits all power supplies, 9600 Ws max. output – (4) cables; w/fan	1/2000 w/short cables @ 2400Ws	250W	\$ 936.00/865.00
106	MW18QVC/ 4800	fits 4803 power supply only; w/fan	1/250 @ 4800Ws	250W	\$ 432.00/405.00

New! Black Line 1205

At last, a light weight, powerful Black Line pack that is perfect for the traveling shooter. Speedotron added variable output (37-1200Ws) and variable modeling light control to this new 1200Ws power supply. And, for the road, it's only 2/3 the weight and 1/3 the size of the 1201A!



Helix stocks Profoto light units modified for use with Black Line packs. Call the Professional Lighting Department at 312/421-6000 for details.

Black Line Flash UV Systems

11271 • 812 travel system, includes: one 800Ws power supply, two 102 light units w/7" reflectors, two 9' heavy duty folding stands, two 48" silver umbrella one new ABS travel case 1548.00

11273 • **NEW!** 1205 travel system, includes: one 1200Ws power supply, two 103 light units w/7" reflector, two 9" stands, two 48" silver umbrellas, one 1205 travel case 1818.00

11281 • 2401 flash system, includes: one 2400Ws power supply, three 102 light units, one 7" reflector (110°), one 7" grid reflector (45°), one 11-1/2' reflector, one 7" honeycomb grid, one 11-1/2' folding light stand, two 9' heavy duty folding stands, one 42" square ribless Soff Box II complete w/ mounting ring 2457.00

11283 • 2403 flash system, same as above w/2403B (dial down) power supply 2637.00

Pack Accessories

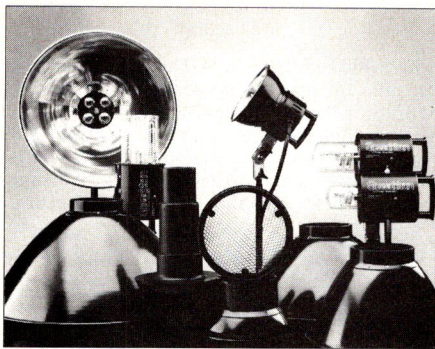
11247 • Remote variator f/2403 & 4803 54.00
23510 • Slave tripper 18.00
15510 • Heavy duty dolly 49.00
13515 • 9' Monopod for dolly 45.00

Black Line Cases

15505 • Transit case f/4803 (heavy duty shipping case) 160.00
15507 • Transit case f/2401B, 2403B (heavy duty shipping case) 160.00
15520 • Multi-case, 3-compartment heavy duty shipping case 250.00
15526 • Travel case f/812 system, ABS plastic 270.00
15527 • 1205 Travel case, ABS plastic 270.00
15521 • 3-Head case, ABS plastic 270.00

Black Line Head Accessories

14219 • 7" 45° reflector f/102 only 19.80
14221 • 7" universal all black reflector f/ use w/snoot 18.00
14220 • 7" universal reflector, 110° 18.00
14225 • 11-1/2" universal reflector, 60° 21.50
14231 • 16" polished sports reflector, 50° 40.50
14230 • 16" universal reflector, 50° 25.00
14235 • 20" universal reflector, 50° 34.00
14250 • Tube protector f/102, 103, 104, 18.00
14254 • **New!** Tube Protector for 105 & 106 23.50
14209 • Univ. snoot 2-1/2" opening f/7" refl. 18.00
14240 • Accessory mounting collar 9.00
14200 • 25' Light head ext. cable f/106 80.00*
14205 • 25' Light head ext. cable 54.00*
 * (For longer cables, add \$1.25 per foot.)



Black/Brown Line Head Accessories

24218 • Barn doors f/5-1/2" reflectors ...	22.50
24217 • Barn doors f/7" reflectors	23.00
24216 • Barn doors f/8-1/2" reflectors ...	25.20
24540 • Barn doors f/11-1/2" reflectors .	32.50
24542 • Barn doors f/16" reflectors	45.00
25519 • 5-1/2" Mylar clip-on diffuser	7.20
25525 • 7" Mylar clip-on diffuser	7.20
25526 • 8-1/2" Mylar clip-on diffuser	7.20
25527 • 11-1/2" Mylar clip-on diffuser ...	10.80
25528 • 16" Mylar clip-on diffuser	14.40
25529 • 20" Mylar clip-on diffuser	14.40
25211 • 5-1/2" gel holder	9.00
25212 • 7" gel holder	9.00
25213 • 8-1/2" gel holder	9.00
25214 • 11-1/2" gel holder	13.50
25215 • 16" gel holder	18.00
25216 • 20" gel holder	18.00
14241 • Honeycomb grid spot f/7" reflector	27.00
14209 • Universal snoot f/7" reflector, 2-1/2" opening	18.00

Helix stocks all Black and Brown Line flash tubes and modeling lamps!

Brown Line Head Accessories

24219 • 7" Universal reflector f/umbrella use	18.00
24226 • 11-1/2" Universal reflector	21.60
24227 • 16" Universal reflector	25.00
24235 • 20" Universal reflector	34.00
24240 • Accessory mounting collar	9.00
24250 • Protective tube cover	16.20
25210 • Flood adapter f/M90 light unit (increases angle of coverage to 110°)	9.00
24247 • 20" light head extension cable	36.00
24213 • Snoot f/M90, 2-1/2" opening	18.00
24206 • Snoot f/MW3R, 2" opening	13.50
24210 • Snoot f/MW3R, 3" opening	13.50

Black Line Stands and Booms

15510 • 9' heavy duty folding stand, 5/8" stud standard	65.00
15515 • 11' heavy duty folding stand w/ tubular legs, 5/8" stud	94.00
15516 • Casters (set of 3) f/11' stand	33.00
13512 • 8' giant boom arm w/10 lb. weight	81.00
13513 • Auxiliary 10 lb. weight f/giant boom arm or stand	25.20

See pages 22-23 for more stands and booms.

Need it in a hurry? Call the Professional Services Department at 312/421-6000 for rush service.

Brown Line Stands and Booms

25555 • 3-1/2" backlight stand	30.00
25561 • 8-1/2" folding stand	45.00
25570 • 4' boom arm, 3/8" stud	45.00

Brown Line Pack Accessories

23510 • Slave tripper	18.00
22204 • Tri-Level Control	90.00
23250 • Y-cord	49.50
23210 • Power cord (repl.)	6.50
23260 • Caster base dolly f/power supplies	27.00

Brown Line Flash Systems

21212 • DM402-3 flash system, 3-light setup, includes: one 400Ws power supply, one MW3R, two M90, light units complete; two 8-1/2' stands, one 3-1/2' back light stand, one CA3 case, one snoot w/3" opening f/MW3R	747.00
21200 • New! DM402-3/CC flash system, same as above w/5500°K tubes	760.00
21214 • DM402 flash system, 4-light setup (complete system will fit in optional CA3 case), includes: one 400Ws power supply, two MW3R, two M90 light units complete; three 8-1/2' stands, one 3-1/2' back light stand, one snoot w/3" opening f/MW3R	801.00
21201 • New! DM402/CC flash system, same as above w/5500°K tubes	819.00
21210 • New! DM604-3 flash system includes: one 600Ws power supply, one MW3R, one M90, one M90Q light units complete; two 8-1/2' stands, one 3-1/2' back light stand, one CA3 equipment case, one snoot w/3" opening f/MW3R	880.00
21203 • New! DM604-3/CC flash system, same as above w/5500°K tubes	900.00
21211 • New! DM604 flash system includes: one 600Ws power supply, two MW3R, one M90, one M90Q light units complete; three 8-1/2' stands, one 3-1/2' back light stand, one snoot w/3" opening f/MW3R	936.00
21204 • New! DM604/CC flash system, same as above w/5500°K tubes	959.00
21213 • DM802 flash system, includes: one 800Ws power supply, two MW3R, one M11 w/ 11-1/2" reflector, one M11 w/16" & 7" reflectors complete; three 8-1/2' stands, one 3-1/2' back light stand, one set barn doors f/11-1/2" refl., one snoot w/3" opening f/MW3R	1,170.00
21205 • New! DM802/CC flash system, same as above w/5500°K tubes	1,206.00
21216 • New! DM1204 flash system, includes: one 1200Ws power supply, two MW3R, one M11, w/11-1/2" reflector, one M11Q w/16" & 7" reflectors complete; three 8-1/2' stands, one 3-1/2' back light stand, one set barn doors f/11-1/2" reflector, one snoot w/3" opening f/MW3R	1,332.00
21207 • New! DM1204/CC flash system, same as above w/5500°K tube	1,359.00

21221 • DM1602 flash system, includes: one 1600Ws power supply, two MW3R, one M11 w/11-1/2" refl., one M11Q w/16" & 7" refl. complete; three 8-1/2' stands, one 3-1/2' back light stand, one barn doors f/11-1/2" reflector, one snoot w/3" opening f/MW3R	1,395.00
21209 • New! DM1602/CC flash system, same as above w/5500°K tubes	1,426.00



Brown Line Umbrella Systems

21222 • DM402 umbrella system, includes: one 400Ws power supply, one MW3U complete, one 34" silver umbrella, one 8-1/2' stand	450.00
21233 • New! DM402/CC umbrella system, same as above w/5500°K tube	454.00
21231 • New! D604 umbrella system, includes: one 600Ws power supply, one MW3UQ complete, one 34" silver umbrella, one 8-1/2' light stand	585.00
21234 • New! D604/CC umbrella system, same as above w/5500°K tube	595.00
21224 • DM802 umbrella system, includes: one 800Ws power supply, one M11 light w/7" umbrella reflector, one 48" silver umbrella, one 8-1/2' light stand	657.00
21235 • New! DM802/CC umbrella system, same as above w/5500°K tube	670.00
21225 • New! DM1204 umbrella system, includes: one 1200Ws power supply, one M11Q light unit w/7" umbrella reflector, one 48" silver umbrella, one 8-1/2' stand	828.00
21237 • New! DM1204/CC umbrella system, same as above w/5500°K tube	834.00
21230 • DM1602 umbrella system, same as DM1204 umbrella system, but w/ 1600Ws power supply,	900.00
21239 • New! DM1602/CC umbrella system, same as above w/5500°K tube	909.00

Speedotron Brown Line Power Supplies

The complete Speedotron Brown Line delivers the power (15-1600 watt-seconds) and reliability that professionals want in an economical package. And, some of the of most important components are identical to the renowned Black Line. Speedotron stands out in the industry for offering an extremely long duty cycle. Brown Line power supplies feature arc-protected sockets, symmetrical/asymmetrical distribution, and independent modeling and flash switches. Power supplies from 800-1600 offer full, half and low power settings with full ratio capability. The two latest additions to the Brown Line, the D604 and D1204, are extremely compact and light weight while offering the same reliable performance you expect from all Speedotron equipment. In warm locations or when multiple flashes are required, an audible and LED indicator will prevent overheating the power supply.



Catalog Number and Model	W/s range	Guide Number	Recycle (to 85%, sec.)	Outlets	Sym/Assym	Weight and Dimensions	Price
21220 • D200	200Ws	160	3.5 - full	2	2 symmetrical outlets	7 lb., 4-1/2x4-1/2x6-1/2"	\$160.00
21240 • D402	15 - 400Ws	220	2.0 - full 1.4 - half	4	symmetrical & 10 ratio combos	12 lb., 8x6-1/2x6"	\$288.00
New! 21264 • D604	225 - 600Ws	255	2.3 -full	4	symmetrical & 10 ratio combos	11.2 lb., 9-1/8x5-7/8x5-7/8"	\$378.00
21280 • D802	15 - 800Ws	320	3.5 - full, 2 - half	4	symmetrical & 10 ratio combos	19 lb., 10x8x8"	\$414.00
New! 21285 • D1204	225 - 1200Ws	350	4.2 - full	4	symmetrical & 10 ratio combos	14.4 lb., 9-1/8x5-7/8x7-7/8"	\$540.00
21270 • D1602	15 - 1600Ws	450	5.5 - full, 3.8 - half	4	symmetrical & 10 ratio combos	27 lb., 10x8x11"	\$612.00

Brown Line Light Units

Brown Line Light Units offer an incredible selection of lights for any lighting set-up from commercial product shooting to portraiture. Now, all Speedotron flash tubes are available with clear or UV-coated shells.

Catalog Number and Model	Max. Ws	Flash duration	Modeling light	Characteristics	Price
22207 • MW3R CC 5-1/2"	400 Ws	400 Ws - 1/800	60 W	Best suited for background use and hair light, CC unit has 5500°K tube	\$90.00
22206 • MW3R 5-1/2"					\$86.00
22210 • MW3U CC 5-1/2"	400 Ws	400 Ws - 1/800	150 W	Compact umbrella light, fixed reflector, CC unit has 5500°K tube	\$126.00
22208 • MW3U 5-1/2"					\$121.50
22211 • MW3UQ CC 5-1/2"	1200 Ws	1200 Ws - 1/435, 600 Ws - 1/735	150 W	accepts accessory snoot, fixed reflector, CC unit has 5500°K tube	\$170.00
22209 • MW3UQ 5-1/2"					\$160.00
22213 • M90 CC 8-1/2"	400 Ws	400 Ws - 1/800	3x 25 W	accepts accessory snoot, fixed reflector, CC unit has 5500°K tube	\$117.00
22212 • M90 8-1/2"					\$112.50
22218 • M90Q CC 8-1/2"	1200 Ws	1200 Ws - 1/435, 600 Ws - 1/735	3x 25 W	accepts accessory snoot, fixed reflector, CC unit has 5500°K tube	\$160.00
22217 • M90Q 8-1/2"					\$155.00
22230 • M11 CC Universal	1000 Ws	800 Ws - 1/1000, 600Ws - 1/1280	150 W	accepts all Brown Line bayonet reflectors and their accessories, CC unit has 5500°K tube	\$216.00
22228 • M11 Universal					\$202.00
22231 • M11Q CC Universal	2400 Ws	1/1600 - 1/625, 600 Ws - 1/1000	150 W	accepts all Brown Line bayonet reflectors and their accessories, CC unit has 5500°K tube	\$256.00
22229 • M11Q Universal					\$247.00

Brown Line Cases

CA481 Carrying Case

For D802 or D1602 power supply. Single compartment. 12x10x16", fiber construction.

25540 • CA481 carrying case81.00

CA3 Equipment Case

For the D200, D402, 604, 1204 and three lights. Measures 32x10x11", with four compartments. Polyethylene construction.

25530 • CA3 equipment case81.00

Omni Case

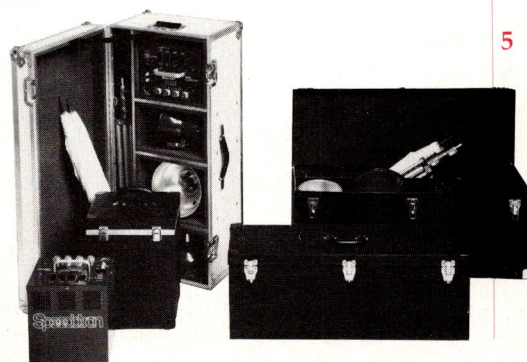
For all Brown Line power supplies and 3 or 4 light units and accessories. 35x12x14", polyethylene construction.

25532 • Omni case 95.00

Multi Case

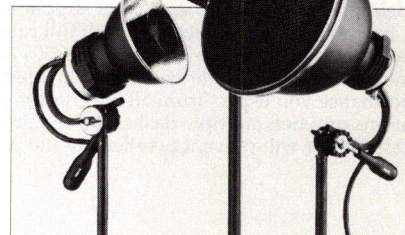
Heavy-duty shipping case. Same as Omni case but built sturdier for shipping. Metal framed ABS plastic construction.

15520 • Multi case252.00



Profoto

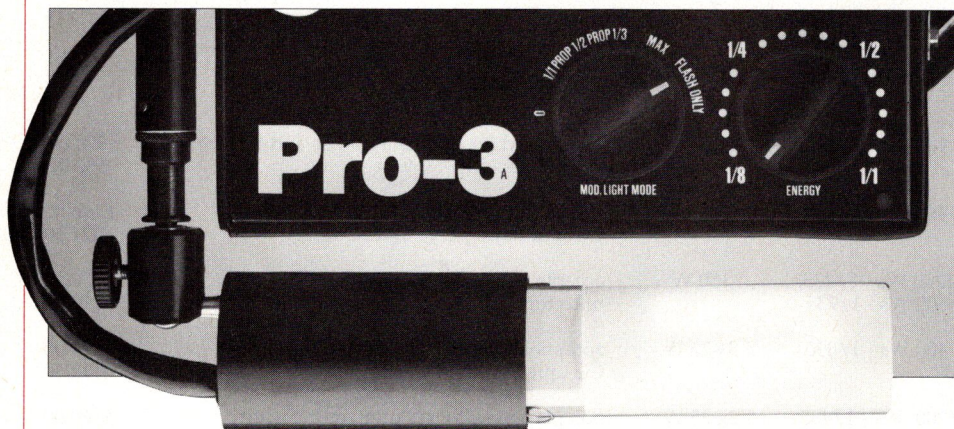
This is the Swedish model that handles light with a refined style. Profoto offers one of the most extensive accessory systems for fine lighting control. Both the standard PF flash head (3000Ws max.) and the Twin flash head (6000Ws max.) feature compact bodies that accept to over 30 accessories, including 6 reflectors with matching honeycomb grids, the Pro Globe (a 359° bare bulb softlight), an optical zoom spot and 10 umbrellas. Profoto also includes two specialty flash heads, the Ringlight (1800Ws max.) which may be adapted to most professional flash systems and the Sticklight (2400Ws max.). All Profoto generators are designed to automatically adjust to any standard AC voltage from 90-130 volts or 180-240 volts at 50-60Hz. Both Pro-3A and Pro-5A generators feature symmetrical/symmetrical power distribution, proportional modeling lights, and built-in infrared and optical slaves. Flash output may be varied from full to 1/32 power (using asymmetrical) at 1/6 stop intervals. Generators and flash heads both feature thermostatically controlled cooling fans to protect your equipment from overheating, and pulse charging, which automatically reforms and seals the capacitors. Generators have audible indicators for recycle and malfunction. Pro-3A generators are no longer being produced, but Helix still has limited numbers of new, demo, and rental power supplies in stock. Call for special prices on these units! Besides being a full-line dealer, Helix supports Profoto equipment with in-house warranty service and back-up rental equipment.



Generators

Catalog Number Model	Ws range	Recycle time at 117V	Modeling light control	Asymmetrical option	Weight & Dimen.	Price
310103 • Pro-3A, 1200Ws	37.5-1200	1.7-8 sec.	off, full or proportional	1/2+1/4+1/4	23 lbs., 7x11x13"	\$1895.00
310104 • Pro-3A, 2400Ws	75-2400	4.5-9 sec.	off, full or proportional	1/2+1/4+1/4	30 lbs., 7x11x16"	\$2795.00
320110 • Pro-5A, 1200Ws	37.5-1200	0.3-1.7 sec.	off, full or proportional	1/2+1/4+1/4	25 lbs., 7x11x13"	Call
320111 • Pro-5A, 2400Ws	75-2400	0.4-3.2 sec.	off, full or proportional	1/2+1/4+1/4	29 lbs. 7x11x15"	Call
320103 • Pro-5S, 4800Ws	600-4800	1.1-6.9 sec.	off or full	symmetrical only	36 lb., 7x11x19	Call

Note: Pro-5 generators do not include AC power cord.



Flash Heads

Catalog Number and Model	Max. Ws	Flash Duration	Model light	Fan	Characteristics and compatibility	Price
900328 • PF flash head	3000Ws	1/650 at 2400Ws	250W	yes	w/flash tube in UV cover, stand and umbrella mounting hardware, modeling lamp, tube cover	Call
900331 • PF flash head f/Speedotron	3000Ws	1/300 at 2400Ws	250W	yes	extremely compact head f/use w/Speedotron Black Line packs, complete with above items Accepts all PF head accessories	Call
300511 • Pro Sticklight	2400Ws	1/650 at 2400Ws	250W	no	includes tube cover, modeling light	Call
300508 • Pro Ringflash	1800Ws	1/800 at 1800Ws	none	no	includes adjustable camera holder and UV flash tube;	Call
900335 • Twin flash head	6000Ws	1/650 at 4800Ws	500W	yes	Pro-5S 4800 or w/splitter cable on two 1200 or 2400Ws packs, includes same hardware as PF head, two flash tubes, and 50° reflector	Call

Note: All flash heads with the exception of the PF f/Speedotron fit Pro-3 and Pro-5 generators and are adaptable to older Profoto generators.



Profoto Monolights

- 900278 • Pro 41 Monolight, self-contained
300Ws 800.00
900290 • Pro 81 Monolight, self-contained
600Ws 950.00

Head Accessories

- 100610 • Normal zoom reflector (5-100°
w/grids, also for use w/umbrellas) ... 54.00
100607 • Softlight reflector, silver 140.00
100608 • Softlight reflector, white 140.00
100617 • Narrow-beam reflector 128.00
100624 • Reflector 50° 128.00
100603 • Grid & filter holder f/normal
reflector (includes a filter cassette) 90.00
100604 • Extra filter cassette f/grid and
filter holder 19.00
100646 • Honeycomb grid 5° f/normal
reflector 75.00
100605 • Honeycomb grid 10° f/normal
reflector 64.00
100606 • Honeycomb grid 20° f/normal
reflector 56.00
100609 • Honeycomb grid 25° f/soft
light reflector 142.00
100618 • Honeycomb grid 10° f/narrow
beam refl. and 50° refl. 113.00
100642 • Softlight reflector
f/ringflash 140.00
100643 • Close-up reflector f/ringflash,
f/lighting items between 20-40" from
ringlight and lens 140.00
100623 • Barn door, fits any reflector 50.00
100625 • Protective cap 44.00
100628 • ProGlobe, 359° soft light globe
w/mounting ring, 185.00
100644 • Pro hairlight, incl. slat grid 340.00
100631 • Pro zoom spot, complete w/built-
in diaphragm, four shutter blades, holder
f/masks; head mount f/universal flash
& Pro 41/81, optional high-output flash
tube available 1510.00

Head Cables

- 303501 • 15' lamp cable extension 115.00
303502 • 30' lamp cable extension 155.00
303504 • Power split cable, (Y-cable) 165.00

Generator Accessories

- 100201 • IR sync transmitter 155.00
103001 • Synchro cables, 15' 29.00
103002 • Synchro cable extension, 15' 29.00
102503 • Power cable, 15' US/Canada ... 53.00
102501 • Power cable, 15' European 19.00
102502 • Power cable, 15' Japanese 27.00

Lucifero Windowlight

Known to photographers for years as the Frabel Light, this uncompromising light source designed by Italian photographer Renato Gozzano combines an indirect box design with modular light sources. His shell design merges three fabrics on a collapsible, yet well-supported frame. Each element of the Windowlight delivers soft even illumination with unprecedented control while permitting speedy assembly and disassembly. And with a change of light sources, it easily converts from flash to tungsten illumination.

Windowlight delivers extremely even illumination with or without its diffuser. This is possible because of the critical attention paid to the shell and light source design. What you receive is the highest degree of control possible. Windowlight boxes are available in four sizes: 28x38", 42x58", 42x78" and 42"x10'. All four boxes are only 19" deep.

Unlike other portable light boxes, Windowlight uses a central light bar through the box to support special linear lights and the shell. Each box size accepts a variable number of Aladino linear light sources directed inwards towards the shell. To eliminate the inherent shadow from this indirect design, the outward portion of the light bar is a highly polished V-shaped reflector. This mirror-like surface reflects the light from the shell outward at the same intensity.

To prevent heat build-up, the Windowlight has a quiet, high-volume fan and rigid vent mounted on opposite ends of the box.

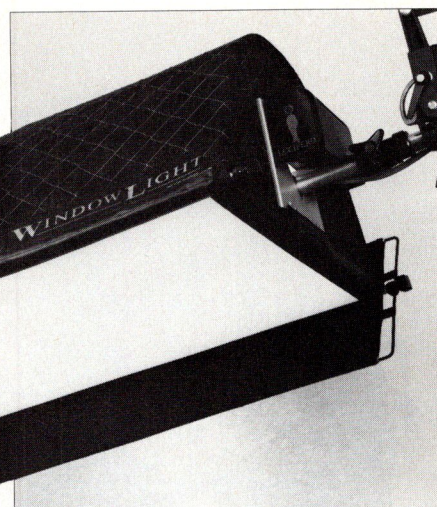
The durable shell is a quilted combination of three fabrics: non-yellowing fiberglass, heat-resistant glossed polyester, and black nylon. This fabric combination resists the heat generated by high output tungsten and multiple pop flash sources. Supporting this shell are four main rods running the length of the box with flexible aluminum bands internally supporting the fabric. This frame connects to the central light bar. Ingeniously designed barndoors (optional) that attach to the frame allow the shape and size of the light source to be easily controlled.

Aladino strip lights are purchased separately.

- WL10C • Windowlight 100cm
(28x38") 850.00
WL15C • Windowlight 150cm
(42x58") 1050.00
WL20C • Windowlight 200cm
(42x78") 1199.00
WL30C • Windowlight 300cm
(42"x10') 1999.00
WBR8CS • Bar 80cm w/boom pivot ... 199.00
WAL10 • Barn door f/WL10 99.00
WAL15 • Barn door f/WL15 120.00
WAL20 • Barn door f/WL20 130.00
WAL30 • Barn door f/WL30 159.00

Lucifero Aladino Lights

The standard Aladino flash assembly features a 2600Ws maximum flash tube with dual 625W modeling lamps. It is designed to be used with 600V flash systems such as Profoto and Balcar. A new bi-tube head that delivers a maximum output of 4000Ws is also available. It is recommended for exclusive use with 900V power supplies like Speedotron or Norman or with 4800Ws



packs in 600V systems. When ordering Aladinos, you must specify which flash system you will be using. Charges for adapting Aladino Light Units vary. Please call the Professional Lighting Department at 312/421-6000 for specific charges.

A graduated effect may be achieved by altering the position and quantity of light in the box. All lamp heads allow the Windowlight to be suspended in any position. The Aladino quartz professional unit features two 625W lamps which may be individually controlled when used with the halogen distributors (optional).

- ALF26A • Aladino 2600Ws flash 525.00
ALF40N • Aladino 4000Ws flash 699.00
ALQPRO • Aladino quartz
professional 225.00
ACALG • Barndoors f/Aladino 48.00
ADIS1 • Distributor f/1 ALQPRO 130.00
ADIS2 • Distributor f/2 ALQPRO 275.00
ADIS3 • Distributor f/3 ALQPRO 399.00
ADIS3 • Distributor f/3 ALQPRO 525.00

Number of Aladinos recommended per Windowlight

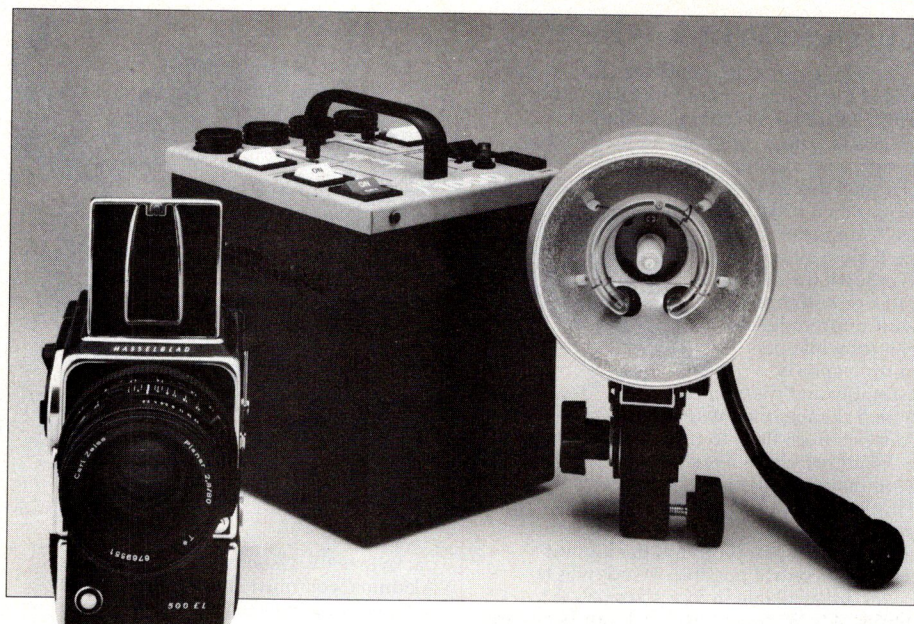
	Minimum	Maximum
WL10C	2	2
WL15C	2	4
WL20C	3	6
WL30C	4	8

Stand and Boom

The Windowlight requires either a bar and boom pivot or scissor boom to mount to a stand. Each are supplied with a 1-1/8" male mounting spud. The 31" straight boom bar has a friction-lock boom pivot and requires an optional counter weight. The scissor boom operates on a parallelogram design and requires a counter weight. Both booms mount to the wind-up stand with special low base that fits easily under shooting tables; or they can be mounted to any heavy duty stand with 1-1/8" female top.

- WBR8CS • 31" bar and boom pivot 199.00
WBR80X • 31" extension f/bar 55.00
WPRPAN • Scissor boom (recommended
f/use w/WL10C and WL15C only) .. 450.00
WBS5S • Special low base
wind-up stand 300.00
WB5SP • Extension f/WBS5S 75.00

Call the Professional Lighting Department if you have an older Frabel Light and need replacement parts such as flash tubes, diffusers, reflectors and rods.



Dyalite Power Supplies

This flash system is compact, light and powerful. Now there are three power supplies in sizes up to 2000 watt-seconds. With the introduction of the M2000, studio and large format photographers may benefit from Dyalite's small size. The M1000 and M500 are the current market leaders for traveling photographers. All three units are backed by a two year limited warranty.

M500 Power Supply

The M500 has four power settings over a three f-stop range from 100 to 500 watt-seconds. Power may be distributed to three outlets symmetrically or asymmetrically (ratioed 2+1). 0.9 sec. recycle. 5x7-1/4x6-1/4", 5 lbs. 405.00

M1000 Power Supply

The M1000 has seven power settings over a four f-stop range. With a single head in the power supply, the output range is 125 to 1000 watt-seconds. Power may be distributed to four outlets symmetrically or asymmetrically (2+2) with independent control on each outlet. Dual slide dimmers may be used to set proportional modeling lamp output. 1.5 sec. recycle. 5-1/2x6-3/4x6-1/4", 8.1 lbs. 405.00

New! M2000 Power Supply

Now you can get compact and lightweight performance for large format shooting, or take twice the power on the road! The new Dyalite M2000 is a 5 outlet power supply with 2000Ws of stored energy. Four top-mounted outlets provide asymmetrical control. When the fifth (side-mounted) outlet is used the pack switches to symmetrical output. With seven power settings, output is variable through 4 f-stops from 250 to 2000Ws through a single head. Dual slide dimmers control modeling lamp output. 2 sec. recycle. 6-3/4x10-1/2x9-3/4", 18.5 lbs. 1475.00

Dyalite Light Units

The system offers a selection of light heads to suit every shooting situation. From small format shooting with the M500 to large format shooting with the M2000, Dyalite has a light unit for the job. All current

Dyalite heads have 1/2" umbrella mounts, plus 5/8 and 1/2" stand mounts are included. A molded ridge is built into the shell to accept Dyalite system accessories and Lowel Omni light control accessories. Stand mounts include two special clips to accept Lowel flexishafts. Textured shell surface resists scratches. For easier packing flash heads have short cables; head extension cables are recommended.

Mini

This convection cooled unit is designed for use with the M500 power supply. The 1200Ws maximum flash tube is color-corrected to 5400°K. Built-in 140° reflector. 150W modeling light included.

0836-01 260.00

Standard

Helix has a limited quantity of this now discontinued flash head. This unit has the same flash tube as the Mini, but adds the 250W modeling light and fan-cooling for use with the M1000 power supply.

1836-01 309.00

New! Blower

Blower-cooled, this unit has a 250W, 3200°K modeling light and a 2400Ws maximum tube for use on all Dyalite packs. Built-in 140° reflector.

2036-01 349.00

Bi-Tube

Dual 5400°K semi-circular flash tubes allow shorter flash duration and twin cables allow faster recycle when used with two power supplies. Blower cooled, 250W, 3200°K modeling light included. Built-in 140° reflector.

2836-01 472.00

Quad

The Quad head is available with four 5400°K flash tubes for shorter flash duration. Four cables allow multiple packs to be used for shorter recycle. Uses one 250W, 3200°K modeling lamp, included. The Quad light requires 50° or 80° parabolic reflector.

4036-04 360.00

Quad Head Reflectors

33-01 • 50°, 12" parabolic reflector f/Quad head 34.00
33-02 • 80°, 9" parabolic reflector f/Quad head & umbrella use 34.00

System Accessories

0406 • 15' flash head extension cable 42.75
0203 • replacement power cord for M and D series power supplies 8.50
0460 • 240V AC transformer (step-down) 65.50
33-03 • Gel holder adapter, fits into umbrella mount for use with Lowel tota-frame 14.00
33-04 • Angle reducing ring, reduces the angle of coverage of the built-in reflector. May be stacked — 1 ring-60°, 2 rings-30°, 3 rings-15° 23.00
33-06A • Accessory rotating frame, f/inserting Lowel Omni scrims and diffusers 28.00
33-06B • Barn door set, same as 33-06A, but with 4 independent doors 56.00
33-08 • Grid spot holder 32.00
33-09 • Bank light adapter 21.00
33-10 • Reflector mounting bracket 21.50
0514 • 150W modeling lamp 19.50
0515 • 250W modeling lamp 20.00
0703 • 1200Ws flash tube w/140° reflector f/Mini light head 108.00
1406 • Dual 1200Ws flash tube w/140° reflector f/Bi-tube light head 170.00
2403 • 2400 Ws flash tube w/140° reflector f/Blower light head 149.00
2402 • U-shaped 2400Ws flash tube w/shell f/Quad light head 149.00

Lowel Accessories for 33-06A Accessory Frame

01-50 • Diffused glass 27.00
01-53 • Snoot 25.00
01-54 • Full scrim 11.00
01-55 • Half scrim 11.00
01-56 • Graduated scrim 14.00
01-57 • Cookaloris 12.00
01-22 • Rectangular leaf 9.00
01-23 • Triangular leaf 9.00

Lowel Flexi-Accessories

T1-50 • Flexishaft 16", pair 15.00
T1-52 • Tota-flag 13.00
T1-54 • Tota-flector 17.00

Lightware 2-Compartment Case

Fits Dyalite M500 or M1000 plus 2 Mini-heads; also fits Lumedyne and Norman 200B systems. Each inside compartment measures 6 x 8.25 x 10.5". The case weighs only 3.75 lbs. 189.95
(See page 33 for complete prices and descriptions on Lightware cases.)



Lumedyne Portable Flash System

A professional battery operated flash system that is modular, so it's expandable. The system consists of a variety of compatible packs, converters, heads and booster modules. Functions on battery, AC or optional car adapter. Choose from the packages listed below or design your own! Call the Professional Lighting Department for help in setting up your own system and special package prices.

200Ws Basic Package:

(Can be converted to 400WS with (071) Booster Module.)

1) 065 200Ws convertible power pack, 1) 024 mini battery, 1) 001 straight cord head, 1) 014 single trickle charger, 1) 092 shoulder strap 370.00

200WS Deluxe Package:

1) 066 200Ws power pack, 1) 025 regular battery, 1) 054 high speed module, 1) 001 straight cord head, 1) 014 single trickle charger, 1) 092 shoulder strap 465.00

400WS Professional Package:

1) 067 400Ws power pack, 1) 025 regular battery, 1) 054 high speed module, 1) 001 straight cord head, 1) 014 single trickle charger, 1) 092 shoulder strap 535.00

Convertible Power Pack

A versatile pack that, when combined with the mini battery, becomes one of the most effective and compact systems available. Offering 200Ws of power that can be converted to 400Ws with the optional booster module (071). The switchable recycle time offers a choice of faster recycling or more flashes per charge, while the instant off feature eliminates the need to disconnect cords. Accepts up to two heads and includes a removable shoulder strap. 4 lbs. 230.00

Booster Module

Added to the convertible (065), boosts 200Ws to 400Ws. (071) 110.00

200Ws "Top Module" Power Pack

200Ws power pack can be lowered to 100 or 50 watt-seconds with a single switch. (Must be used with high speed module (054) for battery operation.) Accepts up to two heads. (066) 150.00

400Ws "Top Module" Power Pack

400Ws Power Pack can be lowered to 200 or 100 watt-seconds with a single switch. (Must be used with high speed module (054) for battery operation.) Accepts up to two heads. (067) 225.00

High Speed Module

A stackable, high speed converter capable of recycle times of one second at 400Ws or six flashes per second at 50Ws.(054) 110.00

Flash Heads

All units supplied with plug in 400Ws flashtube and two position reflector, easily removable for operation as bare bulb or in softboxes. The modeling lamp head features a miniature 50W halogen bulb that plugs directly into the center of the flashtube. Standard flash heads include guide number

cards, snoot, diffuser/UV cover and 1/4-20 threaded mounting socket.

001 • Straight cord head 80.00
002 • Coiled cord head 99.00
003m • Modeling lamp head 135.00
004m • Modeling lamp head w/coiled cord 155.00

Head Extension Cables

034 • 5ft. extension cable 26.00
036 • 10ft. extension cable 30.00
032 • 20ft. extension cable 34.00

Batteries

Pro-rated 5-year guarantee!!
Rechargeable nickel cadmium attaches directly to the power pack. May be charged on or off the pack.

024 • Mini battery, 1.5lbs. 68.00
025 • Regular battery, 2.5lbs. 130.00
026 • Super battery, 3.5lbs. 195.00
028 • Ultra battery, 6.5lbs. 385.00

Recycle Rates and Flashes per Charge

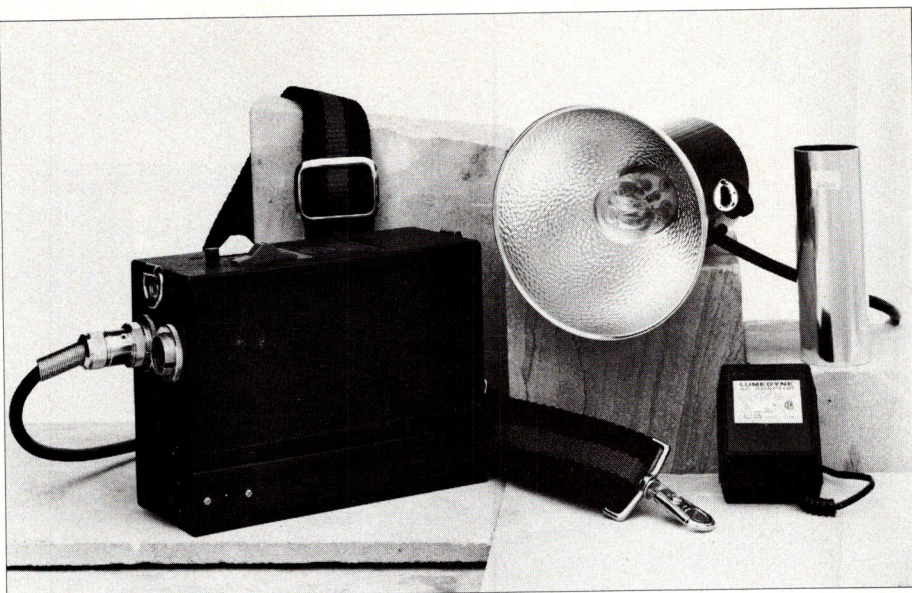
Power (Ws)	50	100	200	400
Normal Recycle (sec.)	3	6	12	24
Mini	450	225	115	60
Regular	900	450	225	115
Super	1400	700	350	175
Ultra	2800	1400	700	350
Fast Recycle (sec.)	1.5	3	6	12
Mini	360	180	90	45
Regular	720	360	180	90
Super	1100	550	275	140
Ultra	2200	1100	550	275

Power Sources

058X • AC power mini-module (will not power modeling lights) 64.00
058M • AC power supply module (will power modeling lights) 115.00
039 • Vehicle power adapter (plugs into cigarette lighter) 45.00

Chargers

014 • Single trickle charger 14.00
017 • Quick/trickle charger 41.00



Battery Recharge (Hours)

	Trickle	Quick
Mini	5-6	N/A
Regular	10-12	5-6
Super	15-18	7-8
Ultra	30-36	15-18

Accessories

042 • Camera bracket 40.00
043 • Shoe adapter 7.50
080 • Snoot 4.50
082 • Diffuser 1.00
090 • Flashtube f/standard head 25.00
092 • Shoulder strap 8.50
093 • Flashtube f/modeling light head 30.00
094C • Chimera/Photoflex soft box adapter 11.00
095 • Modeling bulb f/003M head 8.00

Lumedyne Supercycler

Boost the efficiency of your Vivitar or Sunpak flash with a Supercycler. Just pick the connector that matches your flash, snap it to the Lumedyne Mini battery (not included) and directly power your flash via a cord (not included) for a tremendous number of flashes. With a Supercycler, recycling time for a 50Ws unit is less than 1.5 seconds. The mini battery (024) delivers 360 flashes per charge. Auto modes will provide even faster recycle and more flashes per charge. The Vivitar Supercycler accommodates models 283, 285HV, 3500, 3700, 3900, 5200, and 5600. The Sunpak version works with models 422, 433, 444, 511, 522, 611, 622, and GX812.

053 • Supercycler single connector, Vivitar 72.00
Cord f/Vivitar (specify model) 14.50
053B • Supercycler single connector, Sunpak 72.00
Cord f/Sunpak (specify model) Call





New! Bowens Mono Voyager

Bowens has packed 500Ws into an extremely versatile European mono light: the compact Voyager. Ideal for the international photographer, a voltage stabilizer automatically adjusts for line voltages from 100 to 260V (50/60Hz). Outdoors, the Voyager may be converted to run on 12V auto/24V nicad power sources (converter optional). Weighing only 7 lbs., this unit features a 5-step power range down to 1/4 output. The independently controlled 250W max. modeling lamp (not included) may be set to proportional output, continuous full output or may be turned off. The plug-in flash tube is UV coated (5300°K) for optimum color performance and has a 1/660 sec. flash duration. Features a bayonet reflector mount. To create the effect you want, a full range of optional accessories including reflectors, grids and light bank are available. Dove-tail case construction on the top and bottom allow light banks to be assembled. Includes switchable built-in slave sensor. 2 sec. recycle to full power. Audible/visible ready indication. 15" long x 5.5" diameter. Includes flash tube, tube cover, power and sync cable.

0400 • Mono Voyager 839.00

Mono Voyager Accessories

0426 • Spill-kill reflector f/umbrella use 24.00
 0427 • 50° keylite refl. 40.00
 0428 • Maxi-lite refl. 37.00
 0429 • Mono-snoot 45.00
 0430 • Soft-box 119.00
 0431 • "S" type adapt. to mount monolite reflectors 34.00
 0432 • 3/8" grid f/maxi-lite 65.00
 0433 • 1/4" grid f/maxi-lite 60.00
 0434 • 4-head mounting bracket 159.00
 0440 • Carrying case; f/3 lights 263.00
 0445 • Location outfit w/3 heads 2895.00
 0420 • Replacement flash tube 65.00
 0421 • 220V halostar lamp 35.00
 0422 • 117V halostar lamp Call
 0423 • Switched mode power supply for 12V/24V 395.00
 0424 • IR-coded receiver Call
 0425 • IR-coded transmitter Call

Bowens Monolite 4000

A compact, versatile unit that is ideal for

portraits with small and medium formats. Features dual power level selection and ready light indicator. Two-second recycling time. GN 145 at ISO 100. Includes tube cover, UV coated flash tube, power cord and sync cord. Makes an excellent hair or background light. 5.8 lbs.

0200 • Monolite 4000 319.00



Bowens Monolite 9000

This powerful light unit offers continuously variable power output from 1/4 to full power. The 9000 has a 212 GN with ISO 100 and recycles in 0.6 to 2.0 sec. Also features audible/visible power indicators, dual sync sockets, flash tripper and overheat protection circuit. 8 lbs, 4 oz. Includes tube cover, UV coated flash tube, power cord and sync cord.

0201 • Monolite 9000 469.00

Bowens Monolite 15000

With two-thirds more power, the 15000 has the same control features as the 9000. Uses twin UV coated flash tubes. Recycles in 0.6 to 2.8 seconds. GN 280 at ISO 100. 15" long, 9.5 lbs. Includes tube cover, flash tube,

power cord and sync cord.

0202 • Monolite 15000 549.00

Bowens Monolite 24000

The most powerful of the Monolite line, the 24000 has a 350 GN at ISO 100 (using optional 40° mono-key reflector). Excellent for location work in all formats. Like the 9000 and 15000, it features continuously variable power and modeling light control from 1/4 to full power with detents at 1/2 and 3/4 power. The locking mount yoke allows full rotation on any medium to heavy-duty stand with 5/8" stud. Audible overheat and ready signals. Includes tube cover, UV coated flash tube, power cord and sync cord. Requires optional ESS modeling light. 12.5 lbs.

0203 • Monolite 24000 669.00

Monolite Modeling Lamps

0263 • Modeling lamp f/4000 2.95
 0264 • Modeling lamp f/9000 2.95
 0282 • Modeling lamp f/15000 2.50
 0307 • ESS modeling lamp f/24000 21.65

Monolite Accessories

0251 • Monocell photocell slave 32.00
 0260 • Carry case f/2) Mono 4000/9000 97.00
 0286 • Carry case f/2) 15000 or 9000 120.00
 0288 • Carry case to hold any 3 Monolites 99.00
 0266 • Repl. sync cord 14.00
 0283 • Repl. UV coated flash tube f/4000 64.00
 0284 • Repl. UV coated flash tube f/9000/15000 64.00
 0287 • Repl. UV coated flash tube f/24000 102.00

Monolite Reflectors

0256 • Monosoft reflector 73.00
 0258 • Mono-snoot 41.00
 0268 • Spill-kill reflector f/umbrella use 16.00

Bowens Monolite Location Outfits

The following outfits are supplied with: carrying case (0260), monocell (0251), 32" reflective white umbrella (0310), 32" Silver umbrella, 2) 8' light stands (3086), and 2) appropriate modeling lamps.

0355 • Monolite outfit w/2) 4000 899.00
 0356 • Monolite outfit w/1) 4000, 1) 9000 999.00
 0357 • Monolite outfit w/2) 9000 1150.00

The following kits are supplied with: carrying case (0826), monocell (0251), 2) bowflexes (0322/0324), 2) 8' light stands (3086) and 2) appropriate modeling lamps.

0361 • Monolite outfit w/1) 9000, 1) 15000 1309.00
 0362 • Monolite outfit w/2) 15000 1389.00

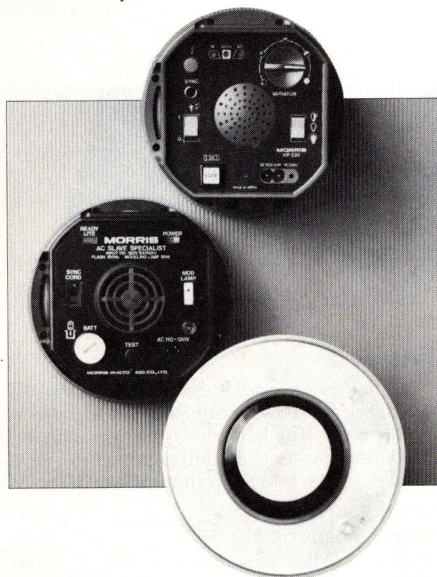
Note: See page 31 for Bowens Mono-Spot. See pages 22-23 for Bogen stands and booms. See pages 24-25 for Bogen grip equipment. See pages 29 for Bogen background support.

Call the Professional Lighting Department at 312/421-6000 for more information on Bogen and Bowens studio equipment.

Morris HP-220

If you need serious power in a self-contained flash, the fan-cooled HP-220 delivers 220Ws at maximum output. This AC (or optional DC) flash unit with modeling light gives you variable output control at an affordable price. At ISO 100, HP-220 has a full power guide number of 130. The variable power control range is full down to 1/16 power. The 150W modeling light may be set for full power, proportional output or off. To maintain short flash durations and fast recycle time, there are four 5600°K flash tubes. The flash may be triggered by the plug-in sync cord, the test button or via two slave sensors (front and back). The HP-220 has a 1/4-20 female thread for stand or tripod mounting (an optional umbrella adapter is recommended for greater control). 0.3-4 sec. recycle. Includes AC power cord and sync cord. A 6 volt battery is required for the trigger circuit.

HP-220 flash unit	269.00
DC power supply w/ 2 outlets. Includes: charger, converter and case.	235.00
150W quartz modeling lamp	23.00
6 volt battery	8.10



Morris AC Slave Specialist

When you want studio flash control at an on-camera flash price, this flash unit with modeling lamp gives you 150Ws at full power. Used alone or as a complement to the HP-220, this flash has a 110 GN (ISO 100). It also features stepless power control from 1/16 to full power through four flash tubes. The modeling light is a 60W reflector-type lamp. The flash may be triggered by the plug-in sync cord, the test button or via slave sensor. The AC Slave Specialist has a 1/4-20 female thread for stand or tripod mounting. 6 volt battery is required for the trigger circuit.

AC Slave Specialist	149.00
60W modeling lamp	7.00
6 volt battery	8.10

Helix/Morris Starter Kit

- 1) AC Slave Specialist
- 1) umbrella/stand mount
- 1) 4050 stand, 74"
- 1) 34" white diffusion umbrella

Regular \$220.00 **Special! 195.00**

HP-220 and AC Slave Specialist Accessories

4064 • Heavy-duty stand	69.00
Large umbrella (42")	29.00
U-bracket	24.00
MTH-204 • Umbrella tilt head	22.00
4050 • 4-section, 74" max. stand	28.00
4054 • 4-section stand (27"-90")	35.00
4055 • 5-section stand (31"-120")	44.00
Universal bracket	16.00
Barn door w/4 leaves	24.00
MBS-601 • Medi soft box for HP220/AC Slave Specialist	79.00

Morris AC Slaves

An alternative to large flash heads, these compact standard lampbase flash units turn any household lamp into a 5600°K flash. Available in 5 AC styles, these slave triggered units can simplify any architectural shot or turn any room into portrait studio. The AC Master Slave may be fired via the sync cord or by slave trigger (6V battery required). The AC Slave II has the same output features, but without a sync cord. The other units have either higher output or a wider angle of coverage. Clip on or swivel AC lampbases are available for these units. All guide numbers are rated at ISO 100 in feet.

AC Master Slave 25Ws, GN 66, 62° coverage	34.95
Three units	99.00
AC Slave II, 25Ws, GN 66, 62° coverage	27.95
Three units	75.00
AC Super Slave, 30Ws, GN 72, 70° coverage	33.95
Three units	95.00
Wide 100 AC Slave, 20Ws, GN 36, 100° coverage	37.00
Three units	105.00
AC Bare Bulb Slave, 20Ws, GN 26, 210° coverage	34.95
Three units	99.00

AC Slave Accessories

Small umbrella (32")	24.00
Socket bracket	28.00
Minilite clamp socket	19.00
Top Box Soft light	39.00



Morris DC Super Slave

This DC unit is connected via a coiled cord to compact power case with shoulder and belt straps. The unit has a built-in spring clamp for mounting to tubular or flat surfaces. At ISO 100, the guide number rating is 82. The unit has 72° of coverage and it recycles in 3 seconds. Requires 8 AA batteries (not included). 69.00

Super Kit Studio Set

- 1) AC Slave Specialist
- 1) AC Super Slave
- 1) AC Bare Bulb Slave
- 1) 4050 stand
- 1) 42" large umbrella
- 2) minilite clamp socket
- 1) swivel bracket
- 1) barn door
- 1) deluxe black case 399.00

Deluxe Kit Studio Set

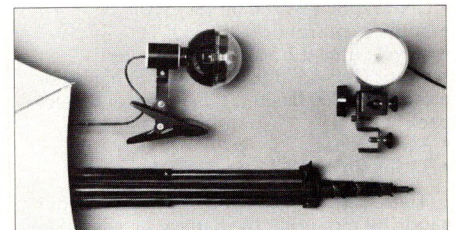
- 2) AC Slave Specialist
- 1) AC Super Slave
- 1) AC Bare Bulb
- 2) 4050 stand
- 2) 42" large umbrella
- 2) minilite clamp socket
- 2) swivel bracket
- 1) deluxe black case 549.00

Kit "A" Mini Home Studio

- 1) AC Super Slave
- 1) AC Bare Bulb Slave
- 1) hard carrying case
- 2) collapsible umbrellas
- 2) socket brackets 169.00

Kit "C" Mini Home Studio

- 2) AC Super Slave
- 1) AC Bare Bulb Slave
- 2) minilite clamp socket
- 1) socket bracket 129.00



Kit "D" Mini Home Studio

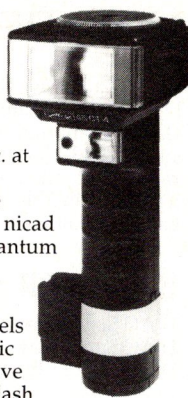
- 1) AC Super Slave
- 1) AC Bare Bulb Slave
- 1) 4050 stand
- 1) minilite clamp socket
- 1) socket bracket
- 1) 42" umbrella 135.00

Kit "E" Mini Home Studio

- 1) AC Bare Bulb slave
- 1) AC Super Slave
- 2) clamp sockets 99.00

Metz 45 Series

- GN148, BCPS 4400 (ISO 100)
- Bounce control 0-90°V, 360° H
- Recycling time 0.3-13 sec. at full power
- 6 AA batteries, in handle
- Optional power sources: nicad battery, AC adapter or Quantum power pack
- 24 oz.



Metz offers several models in their 45 CT line. The basic 45 CT-1 is the least expensive and incorporates a single flash head with 5 automatic settings and an auto range of 1.5-53 ft.

The 45 CT-3 adds TTL capability with dedicated modules available for most cameras. The 45 CT-3 has 6 auto settings, with a maximum auto range of 75 ft., plus full, 1/2 and 1/4 manual power settings.

To this list of features the 45 CT-4 adds a secondary fill flash head for greater versatility.

Topping the line is the 45 CT-5 with all the features of the CT-4 and the convenience of an LED display.

5105 • 45 CT-1	189.00
5115 • 45 CT-1 w/nicad batt. & chgr.	225.00
5120 • 45 CT-3	225.95
5122 • 45 CT-3 w/nicad batt. & chgr.	259.00
5125 • 45 CT-4	270.00
5135 • 45 CT-4 w/nicad batt. & chgr.	309.00
5145 • 45 CT-5	325.00
5155 • 45 CT-5 w/nicad batt. & chgr.	349.00
5362 • Remote sensor f/45 CT-1	114.00
5406 • Filter kit f/45 series	25.00
5412 • Tele attach f/45 series	85.00
5417 • Reflex screen (8x10 bounce card)	49.00
5484 • SCA300 system adapter f/CT-3 & CT-4	29.00
SCA300 modules f/TTL	Call
SCA300 autofocus infrared modules f/any autofocus SLR	85.00
530-390 • Hasselblad module TTL (SCA300 cord f/CT-5 and 60 CT-2)	Call

Metz 60 Series

- GN 197, BCPS 7760 (at ISO 100)
- Bounce control 0-90° V, 360° H
- recycle time 0.2-5 sec at full power
- Dryfit (160-4,500 flashes/14 hr. charge) or nicad (80-2,000 flashes/8 hr. charge) battery pack
- AC optional
- 5.1 lbs (including battery pack)

These flashesput serious power into your hands by mounting the battery in a shoulder pack (5x6x2"). With both models you may select from the dryfit or the nicad battery option.

The Metz 60 CT-1 is a high-output handle mount automatic flash with 6 auto aperture settings and an auto range of 1-99 ft.

The 60 CT-4 adds a secondary fill flash head and dedicated and TTL operation via accessory cords. The 60 CT-4 has 8 auto aperture settings and nine manual power settings from full through 1/256.

5200 • 60 CT-1 w/dryfit & chgr.	379.95
5210 • 60 CT-1 w/nicad & chgr.	415.00
5240 • 60 CT-4 w/dryfit & chgr. (SCA 300)	469.00
5250 • 60 CT-4 w/nicad & chgr. (SCA 300)	509.00
5318 • Charging stand f/60 batt.	53.00
5320 • Dryfit battery f/60	63.00
5322 • Nicad battery f/60	89.00

5366 • Remote sensor f/60	138.00
5408 • Filter kit f/60	23.00
5417 • Reflex screen (8x10 bounce card)	49.00
5414 • Tele attachment f/60	85.00

Stroboframe Flash Brackets

- Positions any flash high above the lens
- Removes shadows for a more natural look
- Eliminates red eye
- Rotary Link® camera platform for fast, smooth changes between horizontal and vertical shooting
- Strong lightweight aluminum components
- Four models available for 35mm and medium format cameras
- 5-year limited warranty
- Non-slip camera platform
- Use either handle mount or shoe mount units

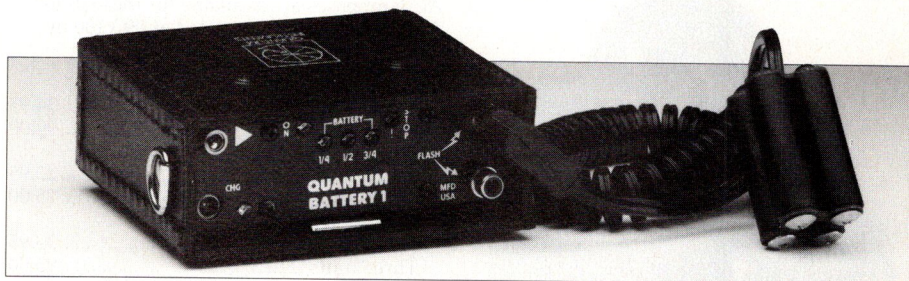
These four Stroboframe brackets are a product of Saunders and are designed and manufactured to the same high standards as their professional enlarging easels.

The compact RL/C is a bracket with the Rotary Link® design for 35mm non-motorized cameras. It weighs only 18 oz.

The R4a and R7 are designed for heavier cameras, like rectangular medium format (6x7, or 6x4.5) or motorized 35mm cameras. Both feature the Rotary Link® system, palm grip for extra support, and adjustable camera platform. The R7 features a slightly heavier angled arm for use with the heaviest handle mount flashes. Both accept the walnut side grip for easier handling. Both brackets weigh 25 oz.

The R66 is designed for square medium format 6x6 cameras and has a fixed platform. It weighs only 16 oz.

R7 bracket, (specify handle or shoe mt. flash)	87.95
R4a bracket (specify handle or shoe mt. flash)	79.00
R66 bracket (specify handle or shoe mt. flash)	55.95
RL/C bracket (specify handle or shoe mt. flash)	69.95
Walnut side grip	13.50
Cable release f/side grip use	7.00
Umbrella holder	12.00
Diffusilite flash diffuser	28.00



Quantum Rechargeable Battery Packs

- No battery memory
- Dual flash outputs
- Full, 3/4, 1/2, 1/4 power indicators
- Includes charger
- 200-6,000 flashes per charge, 3-1/2 to 4-1/2 sec. Recycling time to full power.

Quantum rechargeable battery packs are adaptable to most 6 or 9 volt flash systems.

Battery 1

The Quantum Battery 1 is a small rechargeable pack intended for use on 6V flash systems. The heart of the pack is a rugged sealed lead cell battery capable of frequent charging and discharging. It delivers faster recycling rates than conventional nicads or alkaline batteries. The Battery 1 weighs 24 oz. and measures 4x4x1-3/4". Requires power module for your specific flash (not included).

Battery 1 w/charger	115.00
Module A (Canon 155, 199; Pentax 280AF; Vivitar 283, 3700)	24.00
Module B (Starblitz 3000, Minolta 4000AF)	24.00
Module C (Sunpak 611)	44.00
Module BC (Canon 299T)	26.00
Module BN (Nikon SB-15, SB-17)	26.00
Module E (Olympus T32,, Minolta 2800AF, Nikon SB-20)	24.00
Module G (Nikon SB-16; Vivitar 5200, 5600)	24.00
Module H (Sunpak 622)	26.00
Module MT90 (Canon T90)	58.00
QB-35 • Car charger	36.00
QB-22 • 10 ft. extension cord	13.50

Battery 2

This battery produces 300-6,000 flashes per charge at a recycle rate of 2-3/4 to 5 sec. at full-power. The Battery 2 is for use with 9 volt battery systems. Requires power module to attach to flash (not included).

Battery 2 w/charger	119.00
Module S (Sunpak 522, 555)	29.00
Module M (Metz 45 series)	32.00
QB-36 • Car charger	36.00

Turbo Battery

This pack offers a fast recycling rate (1.5 sec.) for both 6 and 9 volt systems. Each charge provides 350 full power flashes. The Turbo measures 6-3/4x4x1-3/4" and weighs 38 oz. Turbo cable required (not included).

Turbo	199.00
Turbo cable (specify flash)	20.00

Bantam Battery

The Bantam is the latest and lightest addition to the Quantum line. It measures a mere 1-1/2x4-1/2x3-1/2" and weighs just 15 oz. It is designed for use with 6V systems only. It must be charged before and after use, and requires 16-96 hours charging. It will provide 100 full power flashes per charge and recycle in 2.5-4 seconds. Requires Bantam power module (not included).

Bantam	65.00
Bantam module (specify flash)	19.00

If you are not certain which Quantum battery or adapter cord is correct for your flash, please contact the 35mm Department at 312/421-6000.



North Light

Fluid-smooth carriage, infinite adjustment and unmatched quality in soft light are just a few of the characteristics found on North Light studio reflectors. When you've reached that level of success where make-shift solutions require too much time and inconvenience, then let North Light flash and continuous light reflectors carry your images beyond your present limits. The soft even light delivers full color saturation.

Whatever make or model of professional flash system you own, your light heads may be adapted to fit any of the five molded reflectors. The design allows you to place multiple light heads in the reflector for maximum light output or for the shortest flash duration. A built-in exhaust fan dissipates heat. The sizes include: 19x31", 4x4' parabolic, 1x5' striplight, 3x4' and 3x6'.

For film or video production, the 4x4' parabola tungsten system produces a range of 1,000 to 10,000 watts of light. The control panel is mounted on an independent pedestal.

All the reflectors feature a light-tight filter pocket for adding matt, scrim, net, gel, cone or diffusion. North Light offers 2 honeycomb grids for 60° or 120° of shielding for more rapid fall-off.

The performance of the North Light stand and support arm surpasses anything that Europe has to offer with precise, self-locking movements. Through 360° on the yaw, pitch and roll axes, all you need is the touch of a finger to adjust the reflector. Power supplies rest on the pedestal so your studio floor remains uncluttered. Light head to pack cables are suspended from a holder at the top of the column. The standard 4" steel column is 10' high or may be ordered to custom specifications. The reach on the horizontal arm varies with the reflector type in a range from 5'5" to 6'9". While Europe has touted "magnificent" light sources, the American-made North Light delivers a superior quality of light with

satisfying ease. Each reflector and stand unit is finished and tested by hand. Created without compromise, using craftsmanship without equal.

North Lights will be drop shipped from the manufacturer in California, truck freight collect. Prices do not include freight charges.

Stand and Reflector Assembly

Each unit consists of reflector with 10' stand, boom arm, white diffuser, UV screen, plexi diffuser, yoke, gimbal, exhaust fan, and head adapter (specify make, model and number of heads.)

Custom 3x4' complete	5,445.00
Parabolic 4x4' complete	6,030.00
Standard 3x6' complete	7,128.00
Striplight 1x5' complete	5,355.00

Stand and Tungsten Reflector Assembly

10K tungsten 4x4' parabolic reflector with 10' stand, boom arm, white diffuser, UV screen, plexi diffuser, yoke, gimbal, exhaust fan, tungsten lamphead, lamps, control panel and pedestal

13,050.00

Complete Reflectors Only

Each reflector includes white diffuser, UV screen, plexi diffuser, yoke, gimbal, exhaust fan, and head adapter (specify make, model and number of heads.)

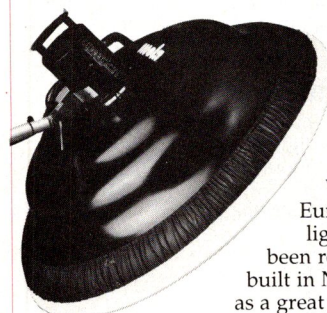
Model 31, 19x31"	1,075.00
Custom 3x4'	1,548.00
Parabolic 4x4'	2,133.00
Standard 3x6'	2,880.00
Striplight 1x5'	1,485.00

Stand Only

Column and base assembly for 3x4' ... 3,897.00
Column and base assembly for 3x6' ... 4,248.00

Honeycomb Panel

3x4' panel 1/4", 120°	297.00
4x4' panel 1/4", 120°	445.50
3x6' panel 1/4", 120°	445.50
1x5' panel 1/4", 120°	225.00
3x4' panel 1/8", 60°	369.00
4x4' panel 1/8", 60°	540.50
3x6' panel 1/8", 60°	540.50
1x5' panel 1/8", 60°	279.00



Mola

What began in Europe as a good lighting idea has been redesigned and built in North America as a great one: the Mola.

When square highlights won't do, this 34" round hard shell reflector has an internal white opaque transmission reflector to redistribute light from your flash head. Compound curves even out the light pattern while maintaining a shallow profile. You get beautiful light without a ponderously large reflector. This efficient design has an even 24" center with a gentle fall-off toward the outer edge. The front diffuser slips over the outer edge of the Mola. Constructed of lightweight and strong spun aluminum, it may be mounted like a normal reflector on flash heads with an optional ring or may be mounted to the light stand with an optional yoke. Mounting ring from flash manufacturer required (not included). Molas are shipped truck freight collect. Price does not include freight charges. 350.00

Heavy-duty stand mount (recommended for boom use and all flash heads except Speedotron Black Line) 75.00

Photoflex Litedome XTC

A new color-corrected polyurethane coating has increased the efficiency and color of the new Litedome XTC light bank. XTC soft light banks are portable and lightweight, plus they are durable enough to stand up to continuous studio and location use. The outer side fabric is stretch-resistant black Duracloth with a velcro rear closure. The light bank is supported by flexible fiberglass rods which attach to a universal headstrap that is supplied with each unit. Lights may also be mounted with an optional system-customized strobe head connector. These connectors make mounting as easy as changing a reflector. See the listings below for the correct strobe connector flash system. The front screen is white Duracloth. An accessory diffusion screen is available to increase the softness of the light bank. The medium, large and x-large Litedomes feature an additional internal baffle for even lighting. For even softer lighting, optional diffusion screens may be added. Convenient loops are provided for ceiling suspension.

Litedome XTC small 16.5x22" front face, 12" deep	59.95
Litedome XTC medium 24x32" front face, 18" deep	79.95
Litedome XTC large 36x48" front face, 24" deep	119.95
Litedome XTC x-large 54x72" front face, 30" deep	249.95

Strobe Connector

These system-customized strobe connectors allow faster light bank assembly and make light head mounting as simple as changing a reflector for Lightdome XTC, Multidome and Halfdome.

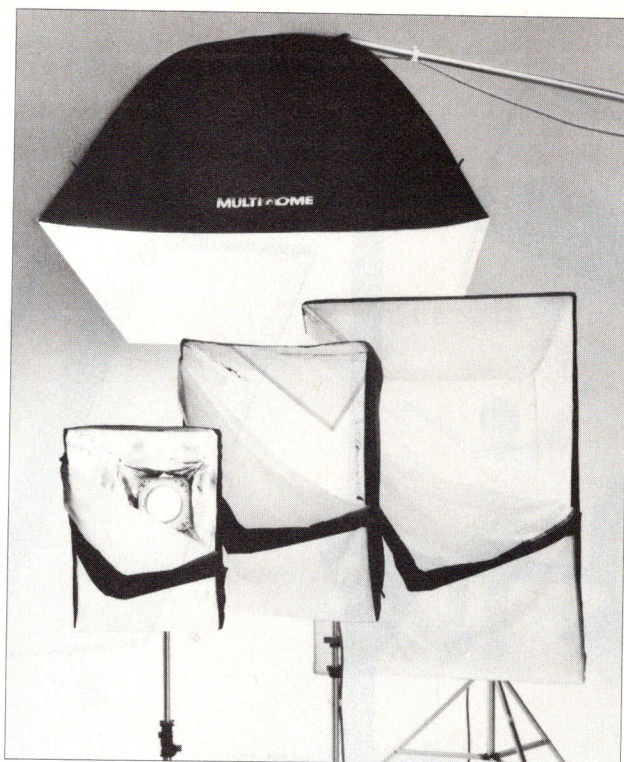
100SC • Basic	19.95
1001S • Speedotron	24.95
1002B • Balcar	24.95
1003N • Norman	29.95
1006C • Comet, CX, CL	29.95
1007E • Bowens	37.95
1008P • Photogenic Portamaster	24.95
1010SF • Photogenic Studiomastrer, Flashmaster	37.95
1009A • Dynalite	24.95

Litedome Diffusion Screens

500XS • X-small	10.95
501S • Small	12.95
502M • Medium	17.95
503L • Large	24.95
504XL • X-large	34.95

Photoflex Litedome XTC X-Small

This 12x16" front face, 10" deep version of the XTC softens the light from battery powered flash units. Mounts directly to your



camera bracket or to a light stand. The 200SC basic mount is included, but you need the correct adapter to fit your particular style of flash. 44.95

Mounting Hardware for Litedome X-Small

200SC • Basic mount (repl.)	11.95
201NB • Norman 200B mount adapter ..	13.95
202SML • Shoe mount adapter	13.95
204LU • Lumedyne mount adapter	13.95
205MZ • Square handle (Metz) mount adapter	13.95
238HMS • Round handle (Sunpak & Honeywell) mount adapter	13.95

Photoflex Multidome

Now you can alter the softness and specularly of a soft light bank. The Multidome features a choice of interiors — color-corrected and polyurethane coated soft white or high-reflectance silver. You can select from multiple combinations of interiors: all-white, partial silver using 1 or more of the easily installed, velcro-edged silver panels, or all-silver. In addition, the removeable front face is recessed on a 2" wide velcro strip so you may add accessory light control like gels, louvers, grids and hard screens. The Multidome is supplied with four fiberglass rods and universal headstrap. The medium, large and x-large light banks also include an interior diffusion baffle for even light distribution. The optional system-customized strobe connectors may be linked to allow up to three light heads in a single light bank.

Multidome small, 16.5x22" front face, 12" deep	109.95
Multidome medium, 24x32" front face, 18" deep	154.95
Multidome large, 36x48" front face, 24" deep	219.95
Multidome x-large, 54x72" front face, 30" deep	384.95

Photoflex Halfdome Striplight

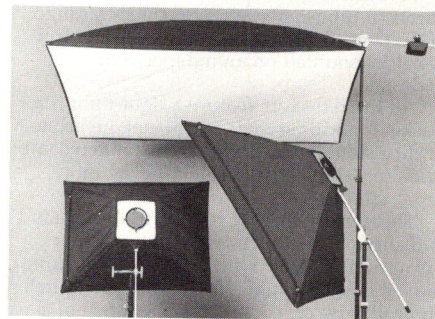
The Halfdome is the thin profile solution for long or tall subjects. Vertically, the Halfdome accents full length fashion, portrait or tall product shots. Horizontally, it gives controlled illumination on broad horizons or provides gentle fill lighting that's easy to shoot around. The fabric and internal polyurethane coating are the same used in the Litedome. The front panel is recessed and removeable both for open faced use or for adding accessory light control like gels, toned-reflective foil, or hard diffusion screens. The rear velcro-sealed closure offers ample room for mounting up to three heads with optional custom strobe connectors. All three Halfdomes are supplied with interior baffle, universal headstrap and carry cover.

Halfdome striplite small 9x35"	99.95
Halfdome striplite medium 15x55"	164.95
Halfdome striplite large 21x85"	229.95

Larson Soff Box Super

Useful for any kind of studio photography. Soff Box Super light banks create smooth, unimpeded lighting that is easily controlled by the photographer. Soff Boxes include a one-piece silver-lined interior for great efficiency and an internal diffuser to spread the light evenly regardless of the flash system you use. The reflector is suspended by aluminum alloy rods. The diffusion panel slips over the front of the box. Custom-designed metal back plates (included) allow your flash heads to slip on as easily as your regular reflectors. Soff Box Super light banks are easy to assemble and are lightweight, yet rugged. Three rectangular sizes available. Optional adjustable diffusers are also available for added diffusion. (Specify brand of flash and number of heads for back plate.)

Soff Box Super 3, 2x3' (for 1 head)	129.00
Soff Box Super 4, 3x4' (for 1 head)	199.00
(for 2 heads)	210.00
Soff Box Super 6, 4x6' (for 1 head)	269.00
(for 2 heads)	289.00
(for 3 heads)	299.00
Adjustable diffuser for 2x3'	8.00
Adjustable diffuser for 3x4'	9.50
Adjustable diffuser for 4x6'	13.00



Larson X-Less Soff-Box

For square highlights, this box features a one-piece fabric that includes front diffuser and side panels. Interior panels are silver for highest efficiency. This box is available in 2 sizes. Includes metal back plate for mounting on flash head. (Specify brand of flash head.)

X-less soff box, 27"	113.50
X-less soff box, 42"	139.00

Chimera Super PRO Light Banks

Chimera Photographic Lighting makes the largest line of portable light banks with the widest range of features and they also offer the most comprehensive system of accessories. The manufacturer provides ready-made light modifiers, like the honeycomb grid, louvers, diffusion scrim, extra diffusion and barn doors. To use these accessories, the Super PRO banks utilize a recessed front screen preventing in-camera flare. The Super PRO Banks are available in four rectangular sizes from 16x22" to 54x72" with silver and with white interiors. An internal baffle is included with all Super PRO banks for the most even light distribution. There are also three Super PRO strip light banks in sizes from 9x36" to 21x84". All Super PRO banks with the exception of the extra-small accept up to three light heads. To mount the any of the Chimera light banks to your flash heads a Speed Ring (listed below) matched to your system and flash head is required.

Super PRO Silver

1010 • Extra small, 16x22	120.00
1020 • Small, 24x32	175.00
1030 • Medium, 36x48	270.00
1040 • Large, 54x72	425.00
1050 • Small strip, 9x36	175.00
1060 • Medium strip, 14x56	270.00
1070 • Large strip, 21x84	425.00

Super PRO White

1110 • Extra small, 16x22	120.00
1120 • Small, 24x32	175.00
1130 • Medium, 36x48	270.00
1140 • Large, 54x72	425.00

Light Bank Accessories

3010 • Heavy duty stand bracket - 5.9, includes triple head bolt set	135.00
3015 • Heavy duty stand bracket - 7.5, includes triple head bolt set	170.00
3020 • Triple Head Bolt Set - 5.9	3.00
3040 • Triple Head Bolt Set - 7.5	3.00

Barn Doors

3110 • Extra small 22"	54.00
3150 • Extra small 16"	54.00
3120 • Small 32"	80.00
3160 • Small 24"	80.00
3130 • Medium 48"	125.00
3170 • Medium 36"	125.00
3140 • Large 72"	180.00
3180 • Large 54"	180.00

70° Louvers

3310 • Extra small 15x20"	120.00
3320 • Small 22x28"	180.00
3330 • Medium 33x43"	270.00
3340 • Large 50x65"	400.00

Honeycomb Grid

3410 • Extra small 15x20"	126.00
3420 • Small 22x28"	205.00
3430 • Medium 33x43"	415.00

Diffusion Frame

3310 • Extra small 15x20"	63.00
3320 • Small 22x28"	72.00
3330 • Medium 33x43"	81.00
3340 • Large 50x65"	90.00

Contact the Pro Lighting Department for prices on Chimera products not listed.

Plume Wafer

From the innovator in light bank design, Gary Regester, comes the premium in portable soft light sources. This box lets you get the most out of limited working spaces by using a strong and flexible combination of aluminum and fiberglass for the support rods. The shallow design defies the inverse square law of lighting, but the Wafer works by adding an ellipse of white material on part of the silver-laminated reflector material. A special mylar reflector/diffusion baffle also redistributes the light for even illumination. The front fabric screen is recessed and removable and an optional hard frame is available for using gel filters. Multiple pops and high-power units are no problem because the metal mounting ring is designed for high temperatures and the closure cowl is heat-resistant and removable.

The Wafer also solves another light bank problem with the addition of a second ring on the mounting collar. This ring allows the Wafer to rotate through 360°.

Wafer 75, 22x30-x10"	245.00
Wafer 100, 30x40x14"	319.00
Wafer 140, 40x54x20"	395.00

Wafer Rings

Wafer ring w/insert for Speedotron, Norman, Balcar, Comet, Dynalite, Ascor, Novatron, Bowens, Bron standard or Photogenic (specify)	56.00
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Chimera Speed Rings

The speed ring is the heart of the Chimera mounting system. It is constructed of 33% glass filled nylon to resist the heat of multi-pop and high output flash system. Most Chimera banks will accept up to 3 speed rings mounted together. The Chimera speed ring are supplied with mounts to fit your specific flash system. Rings that are listed with an "r" permit a 360° rotation of the light bank. Rings listed with an "s" are stationary. Eight inch speed rings for video lights are constructed of spun steel.

2040 • Balcar, r-5.9"	43.00
2050 • Balcar UR, s-5.9"	43.00
2060 • Bowens, r-7.5"	60.00
2490 • Bowens Voyager, r-5.9"	60.00
2070 • Broncolor UL, r-7.5"	74.00
2080 • Broncolor Impact, r-5.9"	74.00
2090 • Broncolor Pulso, r-5.9"	88.00
2060 • Calumet, r-7.5"	60.00
2490 • Calumet, small, r-5.9"	60.00
2110 • Comet CX24II, r-5.9"	47.00
2120 • Comet CP 1200, s-5.9"	54.00
2160 • Dynalite, r-5.9"	60.00

Wafer ring w/insert for Elinchrom, Bron Pulso or Impact	75.00
Wafer ring w/insert for Profoto	88.00

Wafer Diffusion Frames and Grids

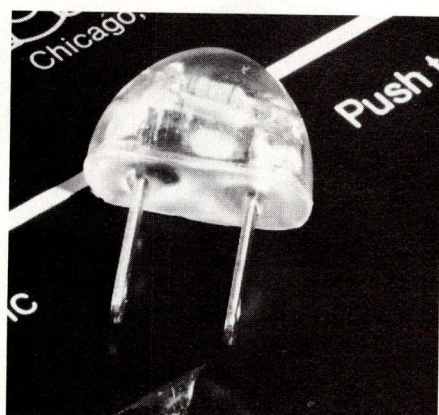
Wafer 75 D frame, translum	55.00
Wafer 75 D frame, lexan	84.00
Wafer 100 D frame, translum	76.00
Wafer 100 D frame, lexan	110.00
Wafer 140 D frame, translum	98.00
Wafer 140 D frame, lexan	148.00
Wafer 75 honeycomb grid	190.00
Wafer 100 honeycomb grid	335.00

2170 • Elinchrom, s-5.9"	73.00
2180 • Godard, r-5.9"	47.00
2200 • Morris Popular, s-5.9	32.00
2250 • Norman 2000, r-5.9"	43.00
2270 • Norman 2400, r-5.9"	54.00
2450 • Novatron Standard R, r-7.5"	65.00
2290 • Novatron Bare tube, s-5.9"	54.00
2310 • Photogenic AE10/AA12, r-5.9"	36.00
2460 • Photogenic AE20, r-7.5"	68.00
2320 • Photogenic Portamaster, s-5.9"	43.00
2330 • Profoto, r-5.9"	88.00
2340 • Speedotron, r-5.9"	39.00
2360 • Sunpak MS, r-5.9"	54.00
2380 • Venca, r-5.9"	47.00
2520 • White Lighting Ultra, r-5.9"	47.00
2400 • Universal feet and strap, s-5.9"	25.00
2410 • 5.9" Speed ring only	16.00
2420 • 7.5" Speed ring only	32.00

Speed Rings for Video Lights

2910 • Hedler Video-Lux, s-8"	65.00
2920 • Hedler Turbo-Lux/Jet-Lux, s-5.9"	43.00
2930 • Lowel Omni, s-8"	88.00
2940 • Lowel DP, s-7.5"	40.00

All prices shown are Helix cash prices for mail order only and are subject to change without notice.

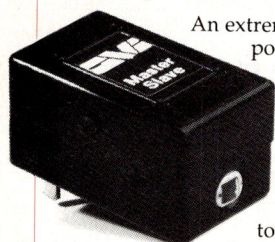


Wein Slave WP-L8

Made of clear epoxy, this AC male pin slave is durable and will reliably fire any flash system with AC outlet. Resists mechanical shock, extreme humidity or temperature. Sensitive to 150'.

WP-L8 • Slave 21.00

GVI Master Slave



An extremely sensitive and power slave that may be directly triggered by a 50Ws flash up to 400 feet away! Functions in all lighting conditions. Features on/off function corresponds to the attached strobe.

Automatically test flashes 5 to 15 seconds following activation.

100 • Master slave-AC male 62.00
101 • Master slave-PC female 62.00

Vivitar Remote Flash Trigger SL-2

The SL-2 can be used for remote firing of any flash unit with hot shoe or PC receptor. This unit has a sensitivity switch for low or high ambient light situations and tripod (1/4 - 20) socket.

SL-2 • Remote flash trigger 35.00

Metz Mecalux II Auto Slave

Triggers an auxiliary flash from the main unit without connections. It can be used with a hot shoe connector or a PC cord and is powered by a solar cell.



5368 • Mecalux II auto slave 49.95

Morris/Popular Shoe Slave Adapter

Has a range of 60 feet with a 360° angle of coverage, locking hot shoe, PC cord socket, built in tripod socket.

Shoe slave adapter 18.75

GVI Radio Slave II

The Radio Slave II gives you the ultimate in control of remote flash lighting. It offers one switch operation for triggering units up to 200 feet away. Two user-selectable channels mean you'll be able to work in areas with other photographers without interference. The Radio Slave II may be used with any flash or with motor drives in single frame or continuous modes.

When you purchase the GVI radio slave II complete (405TR) before 12/31/88, you receive a 4' sync extension cord for the transmitter at no charge (\$19 value).



405TR • Radio Slave II, Includes transmitter, receiver, belt clip, velcro and camera sync cord 189.00
405T • Radio slave transmitter only 76.00
405R • Radio slave receiver only 135.00

Graflex 36" Coiled Sync Cord

This household AC to PC cord offers durable and reliable performance.

2821 • 36" AC/PC coiled sync cord 12.00

Paramount AC/PC Sync Cord

Heavy-duty, dependable household/PC sync cord that offers parallel wiring design which prevents cord twists and kinks. Extends to approximately 5 ft.

Paramount sync cord 10.50

More Paramount Sync Cords

PM-1-6C • Household to bipost 8.75
PM-3-6C • Household to Rollei lock 8.25
PM-A2-6C • Household to long tip PC f/Hasselblad CF 10.50
PM-4-6C • Household to Nikon lock 8.25
PM-5-6C • Household to Nikon screw lock 8.95
PM-8-6C • PC male to PC female ext 8.25
PM-B-6C • PC male to PC male 8.25
PM-M-4C • PC to PC Metz type 8.25
PM-S-4C • Household to Hasselblad C 8.95
PM-V5-4C • Vivitar to Nikon screw lock 8.95
PM-2H-6C • Honeywell lock to PC 8.25
PM-23-6C • Rollei lock to PC 8.25
PM-SP • Sunpak to PC 8.50
PM-PCC • Tip Conditioner 5.00

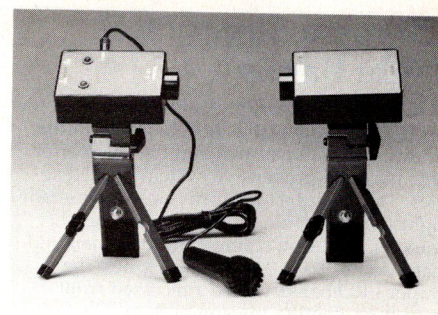
HAMA PC Adapter

These adapters allows you to connect multiple PC cords to one camera.

HAMA triple PC adapter 9.95
HAMA double PC adapter 8.95

Coast PC to Hot Shoe Adapter

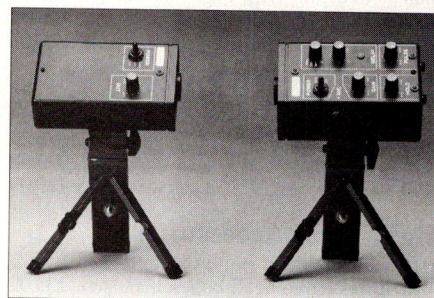
Provides PC outlet on cameras having only hot shoe flash connector 7.99



Kako I.R.-H Infrared Beam and I.R.-S Infrared and Sound Triggers

When it's time for the pour, the two-piece I.R.-H triggers will make the shot easy. When the subject breaks the infrared beam, the motorized camera or strobe is triggered. Whether the subject is a speeding bullet or a shy animals the tripper will get the job done. L.E.D. indicators permit simple set-up. The beam may be adjusted for narrow or small subjects. The I.R.-S unit offers the same features but also includes a sound trigger.

29821 • IR-H infrared tripper 112.00
29822 • IR-S infrared and sound tripper (includes microphone) 221.00



Kako IR-2 Infrared Beam Tripper

This unit offers greater sensitivity, range and control, while incorporating similar audio and I.R. trigger operation as the I.R.-H and I.R.-S units. The I.R. beam can be extended to 35 feet and to to an extreme sensitivity. Audio and L.E.D. indicators aid alignment of the beam. A signal delay is added for delays ranging from 1 milli-second to 1 second with continuous variation through three ranges. Gain control is provided to adjust audio trigger sensitivity +56-83db. The IR-2 may be used with most microphones.

29823 • I.R.-2 infrared beam tripper 495.00

Wein Super Sound Trigger

This sound sensitive device will trigger flash and most motorized cameras. Sensitivity is adjustable. The unit is fully encapsulated and resistant to temperature, pressure, humidity and shock.

WP/SST • Super sound trigger 65.00

Lamps

	ANSI code	Watts	Kelvin	Price
Photoflood lamps	BCA	250	4800	2.60
	EBW	500	4800	3.30
	ECA	250	3200	2.15
	ECT	500	3200	2.70
Projection lamps	ELH	300	3350	18.90
	EXR	300		18.10

Helix stocks the full spectrum of photo/AV lamps. Contact the Lighting Department to solve all your lighting needs. We also have many obsolete or discontinued lamps. Check with us first!

Tape

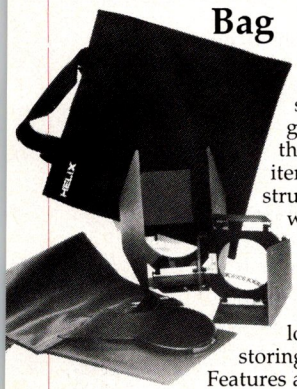
Gaffer's tape, silver, black or white (specify) 2"x60 yd.	16.00
Gaffer's tape, silver, black or white (specify) 1"x60 yd.	8.25
Photographic black masking, 1"x60 yd.	5.95
Double stick white paper tape, 1"x36yd.	5.25
Double stick white paper tape, 2"x36yd.	10.25

Batteries

Helix stocks a large inventory of Duracell, Eveready, Varta, Kodak and Toshiba batteries for almost any application. Your order will be filled with one of the brands listed above.

Type	Volt	Price
D, 2-pack	1.5	3.00
C, 2-pack	1.5	3.00
AA, 4-pack	1.5	3.80
AAA, 2 pack	1.5	1.90
AAA, 4 pack	1.5	3.80
9V alkaline	9.0	3.00
9V lithium	9.0	5.95
N, alkaline	1.5	1.05
SR44/MS76 silver	1.5	2.50
SR44/MS76 alkaline	1.5	.80
DL1/3N lithium	3.0	2.50
DL123A lithium	6.0	9.95
DL223A lithium	6.0	9.95
PX13B mercury	1.35	1.75
PX28B silver	6.0	8.10
PX28L lithium	6.0	5.85
PX625B mercury	1.4	1.75
PX675B mercury	1.35	1.70
RM400RB mercury	1.35	2.00
PF497 zinc	510	33.50

Helix Professional Scrim Bag



Helix has got two large bags for storing scrims, flags, grids, reflectors and the other necessary items. They are constructed of black cordura with 2" wrap-around webbing handles. A velcro closure permits safe transportation to locations or for storing in the studio.

Features a D-ring for hanging off the ground.

Big scrim bag, 14x17"	21.95
Bigger scrim bag, 19x19"	25.95



Helix 1" Mini Wraps

Keeping cords out of the way in the studio or on location is no problem with these wrap ups. They are constructed of heavy webbing for years of use. In the studio or on location the straps can be attached to stands or other supports to get them out of the way.

1" Mini wraps, (pk. of 6)	16.95
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Lowel Cable Ties

Sturdy re-usable plastic ties will keep your studio in order. Attach your cords and cables to stands, pipes, or booms. Pack of 40 ties.

KCC • Cable ties, 40 cnt.	8.00
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Helix Lead Shot Bag

Ballast your stands, tripods and booms with this compact, dense bag. Weighing 10 lbs., it features an exterior cordura shell with ballistic nylon interior so you won't have to worry about spillage. It quickly attaches to stands or booms via a wide velcro strap. Black. 2 year guarantee.

Lead shot bag	29.00
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Matthews Sandbags

Matthews offers three bags for use as tripod, stand or boom ballast. The shell is a heavy duty material with reinforced seams for a long working life. Heavy duty web strapping which may be used to hang the bag separates it into two halves. The first choice is a filled bag with 15 lbs. of sand. The second bag features open slits for filling. Once filled the user may permanently sew the bag. The third choice is the zippered bag which is excellent for travelling photographers. This bag may be filled and emptied at each location without having to carry the extra weight. Use sand, rocks, shot or kitty litter to fill the bag to your weight needs.



299550 • Sand filled bag, 15 lbs.	22.00
29955E • Empty bag	14.50
299607 • Zippered Matth bag	27.00

Kart-a-bag Luggage Carts

Continental 500

This compact cart can carry up to 100 lbs. with ease on 3" rubber wheels, yet folds flat and comes with its own case. When extended the rear self-locking supports measure 40" and it collapses to 20-3/4". Built-in the U.S.A. Limited 5 year warranty. 4 lb.

Continental 500	39.00
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Concord II

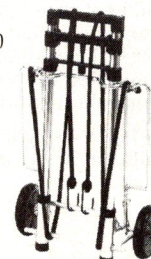
It supports up to 150 lbs on strong 11x7.5" platform. The self-locking double rail back support features a one-motion release for speedy open and close. The Concorde II extends to 41", features 4" wheels, elastic cords and vinyl case with shoulder straps. Built-in the U.S.A. Limited 5 year warranty. 4.5 lbs.

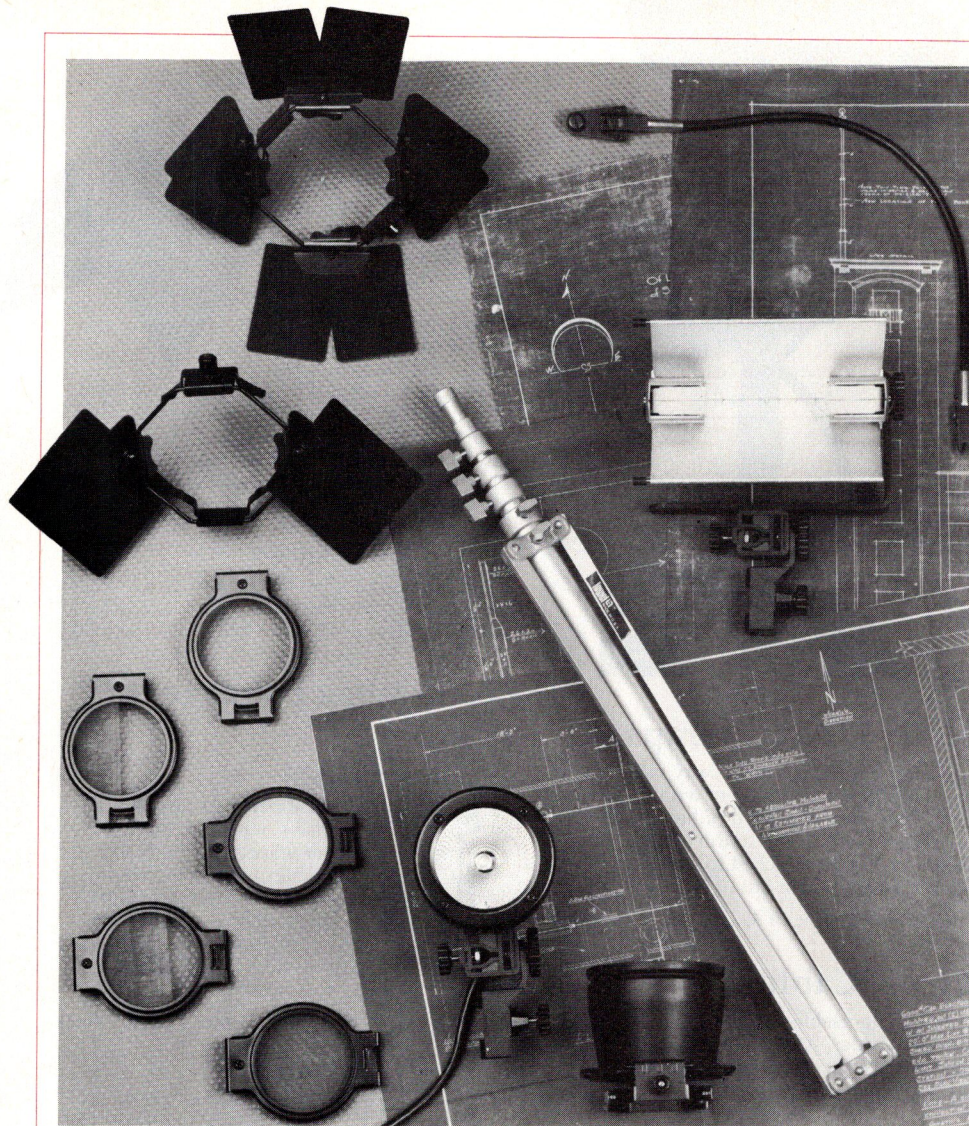
Concord II	46.00
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New! Super 600

This heavy-duty carrier supports up to 300 lbs. on 12.5x16" steel base, so it is an ideal addition to the photographers equipment list. The telescoping double-rail back supports are self-locking and extend from 20-1/8 to 49". To collapse it, just touch the control bar and release the base lock to fold. Six inch ball-bearing wheels make light work of curbs or stairs. Wheel and mud guards have been added to protect luggage and cases. Built-in the U.S.A. Limited 5 year warranty. 10 lbs.

Super 600	75.00
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Lowel Lighting

A standard in the film and video industry for years, many still photographers are using these portable, versatile lights. They are ideal for architectural or location shoots requiring compact and high output continuous lighting. In the studio, they are excellent as focusing lights for any format work. With a proven durability record, Lowel lighting offers the convenience of a catalog for replacement parts for all lights. From lock down knobs to cables, Lowel backs your lighting equipment. Lowel has developed a full line of accessories to complement their lights. These grip and light control accessories offer simple solutions for successful lighting schemes.

New! ViP Lighting System

This new series of lights was designed as a lighter weight and smaller alternative to the standard Tota, Omni and DP lights. The ViP and Tota/Omni/DP systems offer similar performance features and share some accessories.

V-Light

When folded, this horizontally shaped 500W light measures 7.3x7.3x1.3" and weighs only 1.5 lbs with cable. When open, the reflector/doors allow the vertical beam angle to be controlled from 52 through 86°. The V-Light comes with a tilting umbrella/stand mount bracket (280° rotation, fits 5/8" stud) and hot shoe mount for use on video cameras. Includes 16' AC cable. Accepts 500W lamps (not included) in 120, 220 and 240 volts. The V-Light accepts Tota-Light control accessories.

VI-10 • V-Light	80.00
GDA • 500W lamp	18.00

i-Light

For extremely versatile battery-powered 55 or 100 watt illumination, use the focusing i-Light. It may be powered by any 12V battery system. Tota-Light control accessories fit into the light mount. Weighing only 1.2 lbs., the i-Light includes a stand mount, handle mount and two camera mounts (lamp not included). Features a 4' cable with cigarette lighter connector.

i-10 • i-Light	93.00
i-100 • 100W lamp	5.00

P-Light

The P-Light is a 250W maximum light with built-in safety glass. Lowell designed this unit to be versatile, so it accepts 12, 30

and 120 volt lamps for 100, 200, and 250 watt output (lamp not included). The beam angle is controllable from 18 to 33°. It measures 3.6x6.7x4.6" and weighs only 1.2 lbs. The i and P-Lights share accessory reflectors, barn door and a unique swing-in accessory holder.

P1-10 • P-Light	89.00
GCA • 250W lamp	20.00

i-Light/P-Light Accessories

iP-15 • No. 1 standard focusing reflector (repl.)	6.00
iP-16 • No. 3 super spot reflector (non-focusing)	6.00
iP-19 • No. 3 w/front housing	33.00
iP-20 • 4-way barn door	29.00
iP-25 • 2-way barn door	16.00
iP-21 • Barn door frame/accessory holder	8.50
iP-30 • Swing-in accessory holder (holds one filter or scrim; up to 3 holders may be attached to the barn door frame at one time)	6.75
iP-50H • Diffused glass w/holder	11.25
iP-50 • Diffused glass only	5.50
iP-51H • Dichroic filter w/holder	32.75
iP-51 • Dichroic filter only	27.00
iP-54 • Full scrim (light reduction)	3.15
iP-55 • Half scrim	3.15
iP-56 • Graduated scrim	4.00
iP-53 • Snoot	21.00
ViP-33 • ViP stand, 7'9"	58.00

Omni-Light

A portable light unit with 600 watt output at 120 volts (lamp not included). Focuses from spot to flood. Accepts a full range of accessories, and is compatible with some Tota system accessories. It can be converted to 12 or 220 volt applications with lamp and cable changes.

O1-10 • Omni-Light	114.00
DYS • 600W lamp 3200°K	17.35

Omni Accessories

O1-15 • No. 1 reflector for 120, 220, and 240 volt use	11.00
O1-16 • No. 2 reflector for 12 and 30 volt use	11.00
O1-17 • No. 3 super spot reflector, all voltages	11.00
O1-20 • Complete barn door	47.00
O1-50 • Diffused glass	27.00
O1-52 • Clear safety glass	23.00
O1-53 • Snoot	25.00
O1-54 • Full scrim	11.00
O1-55 • Half scrim	11.00

Tota-Light

The Tota-Light weighs 20 ounces and measures just 11x3x2" when folded, accepts 300 through 1000 watt quartz lamps (not included).

T1-10 • Tota-Light	95.00
FHM • 1000W lamp	25.50

Tota/Omni Accessories

These accessories work with all Lowel systems for better light control.

T1-20 • Tota frame gel holder	22.00
T1-25 • Tota brella, 27" silver	27.00
T1-30 • Tota clamp, c-type	16.00
T1-32 • Tota mount	22.00
T1-34 • Tota tatch	10.00
T1-50 • Flexishaft, 16"	15.00
T1-52 • Tota flag, 8x12" (use w/T1-50) ..	13.00
T1-54 • Tota flector, 8x12" (use w/T1-50)	17.00

Lowel DP Light

This light uses tungsten halogen lamps up to 1000 watts at 120, 220 or 240 volts (not included).

D2-10 • DP light	125.00
FEL • 1000W lamp	38.50

DP Accessories

D2-17 • No. 3 reflector, super spot	12.00
D2-18 • No. 4 reflector, gold warming	12.00
D2-20 • Complete barn door	56.00
D2-50 • Diffused glass	30.00
D2-52 • Clear safety glass	27.00
D2-53 • Snoot	34.00
D2-54 • Full scrim	13.00
D2-55 • Half scrim	13.00
D2-24 • DP frame (gel holder)	36.00



Lowel Softlight 2

A collapsible softlight bank with a silvered fabric reflector. Weighing only 8 lbs. with cable, it breaks down into a slim suitcase making it an excellent light source for location production. When open, it measures 28x24x7". The Softlight 2 uses two 500, 750 or 1000 watt quartz lamps (not included) to achieve up to 2000 watts of light. The lamps are individually switched on a single housing. Optional barn doors with spring clips allow gel materials to be added. Because the power cable is fed through the center of the yoke pivot, the light may be rotated through 360° without entanglement.

S2-10	240.00
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Softlight Accessories

S2-20 • Complete barn door	67.00
S2-gels • Gel packs, (specify: blue frost, day blue, neutral density 3, frost, or special colors)	@ 12.00
FCM • 1000W lamp	23.00

Lowel Kits

These kits include light stands, a variety of accessories and a case. Call or write the Professional Lighting Department for details.

T1-90 • Tota tube kit: 2 Tota-Lights	433.00
T1-92M • Tota trans kit: 3 Tota-Lights	654.00
T1-94M • T-4 kit: 4 Tota-Lights	1134.00
TO-97 • Basically 3 kit: 2 Tota-Lights, 1 Omni-Light	699.00
TO-98 • Elemental kit: 1 Tota-Light, 2 Omni-Lights	786.00
TO-95 • Ambi kit: 2 Tota-Lights, 2 Omni-Lights	1228.00
D2-93 • DP-3 kit: 3 DP lights	950.00
D2-94 • DP-4 kit: 4 DP lights	1210.00
D2-95 • DP brella kit: 3 DP lights	920.00
D2-96 • Remote kit: 3 DP Lights	1299.00

Helix Hot Lights

Helix offers an affordable alternative to high-priced continuous lighting: Helix focusing spotlights. Designed and produced for Helix, these units offer an output range from 500 to 2000 watts. To allow you the maximum in control, we also offer a complete line of accessories for each unit. Whether you are lighting a large set, lighting for video or lighting up a stage production, Helix hot lights deliver an even light pattern that will meet your requirements.

Baby Junior 2K Spotlight

Designed to provide years of service, this quartz halogen unit is constructed of rugged aluminum with an attractive black finish. The focusing 6" fresnel is mounted in a hinged door which provides easy access for lamp installation. The lamp house is convection cooled. Large paddle knobs with graduated scales are located on the front and rear allowing comfortable focus adjustment. To ensure a firm hold on the lamp when the unit is inverted, a locking clamp is included. An oversize socket base dissipates heat for longer lamp life. Offering complete directional control, a locking yoke mount (5/8" socket) permits a full 360° of rotation. The unit includes an 8 leaf barn door. The Baby Junior accepts 1000, 1500 or 2000W lamps. (Lamp not included; see chart, specify ANSI code and wattage when ordering).

FSS2THD	360.00
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Baby Junior Accessories

2 leaf barn door	28.00
4 leaf barn door	32.00
8 leaf barn door, replacement	40.00
Single full scrim	4.80
Single half scrim	4.80
Double full scrim	5.40
Double half scrim	5.40
Snoot, 2" opening	20.00
Snoot, 4" opening	20.00
Snoot, 6" opening	20.00

Baby 1K Spotlight

From 500 to 1000W, this is a compact version of the Baby Junior. Like the 2K, this is a focusing spot light with a smooth pattern from spot to flood. The 6" focusing fresnel is mounted in the access door. It is ideal as a keylight, backlight or kicker. The lamp house is convection cooled. For comfortable operation, the Baby 1K features the same large paddle focusing knobs as the Baby Junior 2K. The oversize lamp base features positive locking for inverted mounting.

Select from 500, 750 and 1000W lamps listed in the chart (lamp not included; specify ANSI code and wattage when ordering). Includes 8 leaf barn door.

FS1KA	235.00
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Baby Accessories

2 leaf barn door	22.00
4 leaf barn door	28.00
8 leaf barn door, replacement	52.00
Single full scrim	4.80
Single half scrim	4.80
Double full scrim	6.00
Double half scrim	6.00
Snoot, 3" opening	15.00
Snoot, 4" opening	15.00
Snoot, 6" opening	15.00

Baby-Baby 1K Spotlight

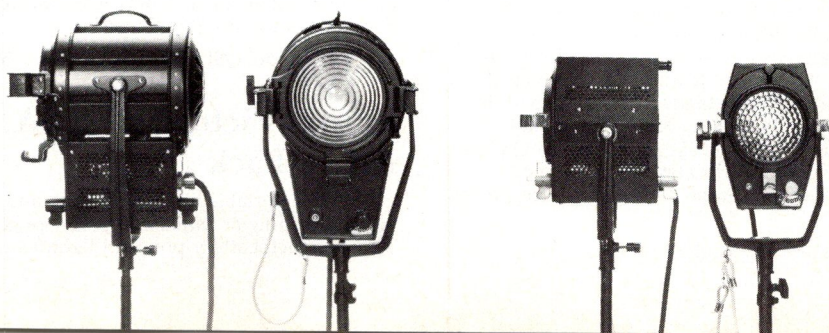
As its name implies, this is the smallest of the line, yet this light offers 500 to 1000W output. The more compact size is made possible by a 4" fresnel. For convenient lamp installation, the body is hinged on the horizontal center axis. A rear mounted knob allows the upper half to be swung back. Like the large Helix spots, the lamp base is oversized for longer lamp life and features positive locking so the unit may be fully inverted. Includes 8 leaf barn door. (Lamp not included, see chart, specify ANSI code and wattage when ordering).

FSS1THD	259.00
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Baby-Baby Accessories

2 leaf barn door	24.00
4 leaf barn door	30.00
8 leaf barn door, replacement	55.00
Single full scrim	4.80
Single half scrim	4.80
Double full scrim	6.00
Double half scrim	6.00
Snoot, 2" opening	16.00
Snoot, 3" opening	16.00
Snoot, 4-1/2" opening	16.00

	Watts	ANSI Code	Color Temp.	Average Life	Amps	Price 1-11
For Baby Junior	2000	CYX	3200°K	250 hrs.	16.8	87.70
	1500	CXZ	3200°K	325 hrs.	12.6	85.00
	1000	CYV	3200°K	200 hrs.	8.4	69.00
For Baby and Baby-Baby	1000	EGT	3200°K	250 hrs.	8.4	55.00
	750	EGR	3200°K	100 hrs.	6.3	50.00
	500	EGN	3200°K	100 hrs.	4.2	39.00





New! Smith Victor Converta-Lights

Now you can modify your continuous lighting, because the same power base accepts three different reflectors on a bayonet mount. Unlike previous lights with interchangeable reflectors, Converta-Light bayonets don't distort with the lights on. They are available for quartz or photo flood lamps. Call for availability on the quartz unit. Both the quartz and photo flood bases accept the same 8, 10, and 12" reflectors for your choice of beam angle. The photo flood unit features a porcelain base (medium size lamp base) to take the heat up to 500W. The quartz base accepts a 600W lamp. Both power bases have non-heating handles so you can re-position your lights while you shoot. Optional barn doors/filter holder and diffusion screens are available. Both bases feature a universal 3/8 and 5/8" stand mount.

- 401060 • CAL-1 - Flood lamp power base only, porcelain socket and handle with switched AC power cable 118.00
- 401061 • CAL-8 - 8" reflector w/tungsten socket 35.00
- 401062 • CAL-10 - 10" reflector w/tungsten socket 35.00
- 401063 • CAL-12 - 12" reflector w/tungsten socket 43.00
- 401070 • CQL-1 - Quartz power base only, w/switched AC power cable Call
- 401071 • CQL-8 - 8" reflector w/quartz socket Call
- 401072 • CQL-10 - 10" reflector w/quartz socket Call
- 401073 • CQL-12 - 12" reflector w/quartz socket Call
- 401081 • CR-8 - 8" reflector only Call
- 401082 • CR-10 - 10" reflector only Call
- 401083 • CR-12 - 12" reflector only Call

Smith-Victor PL Studio Lights

PL reflectors are spun from an aluminum alloy to produce the maximum in light diffusion and provide 55% greater light output than regular wire brushed reflectors. PL Lights feature an extruded aluminum power base with computer calculated heat sinks for optimum heat dissipation. The specially designed base is mounted to a positive position swivel yoke with handle to allow adjustment to any angle. Universal mount fits light stands from 3/8 to 5/8" in diameter. Porcelain socket accepts high wattage medium base photo floods. On/off rocker switch is located on back panel. Heavy-duty 10-foot, 3-wire grounded power cord.

- 401042 • PL8 - 8", 100° reflector, up to

- 500W photo floods 55.00
- 401043 • PL10 - 10", 50° reflector, up to 250W photo floods 55.00
- 401044 • PL12 - 12", 60° reflector, up to 500W photo floods 63.00

Smith-Victor Accessories for Converta-Lights and PL Studio Lights

- 401342 • BD80 barn door/filter holder f/8" reflectors 28.00
- 401343 • BD100 barn door/filter holder f/10" reflectors 36.00
- 401344 • BD120 barn door/filter holder f/12" reflectors 38.00
- 401309 • DP-10 diffusion screen f/10" reflectors 13.00
- 401310 • DP-12 diffusion screen f/12" reflectors 17.95

Special Helix/Smith-Victor PL Light Kits

- K82H • PL8 Two Light Kit, includes: two PL8 lights; two ECT 500W, 3200°K photo floods; two S9 light stands; one carrying case 169.00
- K83H • PL8 Three Light Kit, includes: three PL8 lights; three ECT 500W, 3200°K photo floods; three S9 light stands; one carrying case 214.00

Smith-Victor Model 700SG

A sturdy, compact 600 watt quartz flood light with safety glass. This unit covers a 40° beam angle with a 75-hour DYH quartz lamp. Includes unit-mounted switch, etched aluminum reflector and 10-foot, 2-wire cable. Optional barn doors are available.

- 401101 • Model 700SC 64.00

Smith-Victor Model Q250SG

Now the long-popular 250W quartz flood light includes a safety glass. This unit is extremely lightweight and includes a stand mount and camera shoe mount. The unit includes a 3200°K quartz lamp and 15 foot AC cord.

- 401135 • Model Q250SG 59.00
- 401906 • 250W lamp, 3200°K f/Q250, repl. 401203 CM1 camera light mount 9.95
- 401301 • Model 701 barn doors f/700SG and Q250SG 31.95

Smith-Victor Model QCL150

This small AC quartz light is the solution to most utility lighting problems. The unit features a built-in spring clamp with rubber grips for a firm hold on most surfaces. The 150W lamp is 3200°K balanced for use as a photo/video fill light. Clamp includes a hole for mounting on a nail. Safety glass included. ESY 200 hour lamp, 10' AC cord.

- 401145 • Model QSL150 59.00

Smith-Victor MP 100A Micro Pack

An ideal portable light source film and video recording at an incredibly low price. This compact, battery-powered light features

a 100W 3200°K quartz lamp with safety shield. The rechargeable battery is designed for safety and will not spill. It charges in 18 hours and will deliver up to 1,000 cycles and is virtually maintenance free. Included are battery, light unit, charger and camera shoe mount which all fit into attractive carrying case with strap.

- 401478 • MP 100A micro pack 119.95

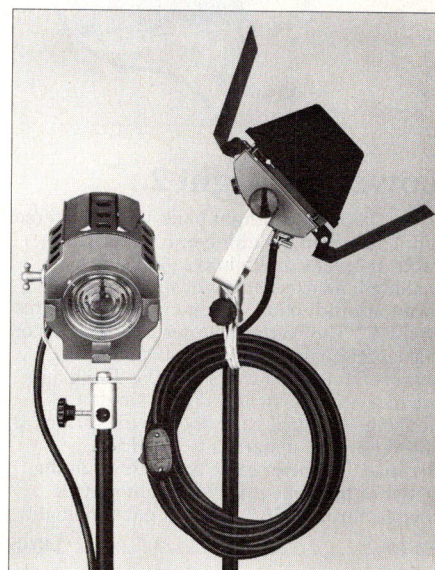
Bardwell & Mcalister Tiny Mac Spotlight

This extremely small focusing spotlight is perfect for hair lighting in video or still lighting. A 200 W, 3200K quartz lamp may be easily installed through the top of the unit. The 3" fresnel lens provides ring-free illumination, while an accessory mount for barndoors or snoots allows even greater light control. Cable is 12 feet with a 3-prong household plug.

- 05000 • Tiny Mac spotlight 150.00

Tiny Mac Accessories

- 58056 • 4-way barndoor 50.00
- 05117 • Gel and diffusion frame 7.00
- 05351 • Snoot, 1" 20.00
- 49431 • Single scrim 6.00



Bardwell & McAlister Mini-Mac 1000 Light

For those that need a broad light source light to stand up to constant use, the sturdily constructed Bardwell Mini-Mac is the perfect solution. The unit accepts double-ended quartz lamps from 300 to 1000W for a variety of options. Designed for cinematic or stage use, the Mini-Mac is ideal for video, film production, industrial still or large format photography. Four leaf barndoors close down to protect the lamp and reflectors from damage in transit or storage. The locking yoke allows nearly 3000° rotation. the lamp design allows horizontal use only.

- 1800 • Mini-Mac quartz light 150.00

Contact the Professional Lighting Department at 312/421-6000 for Smith-Victor and Bardwell products not listed.



LTM Pepper Lights

LTM Pepper hot lights are perfect for the hot light photographer who needs compact, versatile, focusing fresnel lights for precise control of light. Peppers are extremely rugged, with housings made of die-cast aluminum. A thermally insulated worm gear adjusts beam angle through the fresnel. All come with fully adjustable yoke and mount to fit a standard 5/8" spud. Lamps not included. Peppers may be purchased individually or in special Pepper Paks. Call Dennis Schenkel at 312/421-8080 for information on LTM Peppers.

Model	Voltage	Max. Watt	Size	Price
Pepper 100	120	200	5-5/8x4-7/8x4-1/2"	\$157.00
Pepper 200	120	200	7x5-3/4x6-1/8"	\$189.00
Pepper 420	12/24/30/120	420	7x5-3/4x6-1/8"	\$213.00
Pepper 600	12/24/30/120/220	600	9-1/8x7-1/4x7-7/8"	\$259.00
Pepper 500/1K	120/220	1000	11x11x10"	\$351.00

LTM HMI Lights

HMI (hydrargyrum, medium arc length, iodide) lights are the mainstay of the video and film industries. They are perfect as a main light for video or as a fill for motion pictures. They can be used as a main for movies when they are properly synchronized to the camera. These pulsed, sealed, HMI heads are 5600°K ±400°K, so they also have application in still photography when powerful daylight balanced light is necessary. LTM HMI light heads come with ballast, power cables, head to ballast cables, 4-leaf barn door and hinged gel frame. Luxarc heads feature a fresnel lens with a wide focusing range for efficient beam control. Cinepars produce a parabolic rectangular beam which can be adjusted with optional lenses. HMI lamps not included.

Model	Voltage	Watt	Fresnel	Price	HMI lamp
Luxarc 200	120	200	5"	\$2,235.00	\$217.50
Luxarc 575	120	575	7"	\$3,110.00	\$307.50
Cinepar 575	120	575		\$2,665.00	\$489.00
Luxarc 1200	120	1200	10"	\$4,330.00	\$435.00
Cinepar 1200	120	1200		\$3,510.00	\$574.50
Luxarc 2500	120	2500	12"	\$6,580.00	\$753.50
Luxarc 4000	220	4000	14"	\$8,620.00	\$955.00
Luxarc 6000	220	6000	19"	\$14,000.00	\$1,575.00
Luxarc 6000	120	6000	24"	\$16,900.00	\$1,575.00
Luxarc 6000	220	6000	24"	\$20,600.00	\$1,575.00

For information on LTM HMI lights, please call Dennis Schenkel at 312/421-8080.

Cyan Pepper Pak

This versatile location kit includes 2) Pepper 420 heads, 2) Pepper 100 heads, 4) 4-leaf barn doors, 6) 420 scrims, 1) 420 fiber gel holder & filter pack, 4) 100 scrims, 1) 100 fiber gel holder & filter pack, 2) medium Pepper stands, 2) light Pepper stands, 2) 420 watt lamps, 2) 200 watt lamps, 1) custom cyan compact travel case 1,540.00

Green Pepper Pak

This 4 light kit will give you all the footcandles and control you need in a compact package. Includes 4) Pepper 420 heads, 4) 4-leaf barn doors, 7) scrims, 1) fiber gel holder & filter pack, 4) medium Pepper stands, 4) 420 watt lamps, 1) custom green compact travel case 1,615.00

Red Pepper Pak

This 3 light kit is a hot number for controlled lighting. Includes 3) Pepper 600 heads, 3) 4-leaf barn doors, 9) scrims, 1) fiber gel holder & filter pack, 3) medium Pepper stands, 3) 600 watt lamps, 1) custom red compact travel case 1,458.00

Pepper 650 Flood

This 650W maximum open face flood light complements the Pepper fresnel line, and is used when critical light control is not the most important requirement on the set. It is perfect for broad washes, or as an indirect light off reflectors or umbrellas. It operates off 12, 24, 30, 120, 220, or 240 volts. It has a focusing knob on the bottom of the light to control beam angle. 8x7-1/2x6-3/4" 218.00

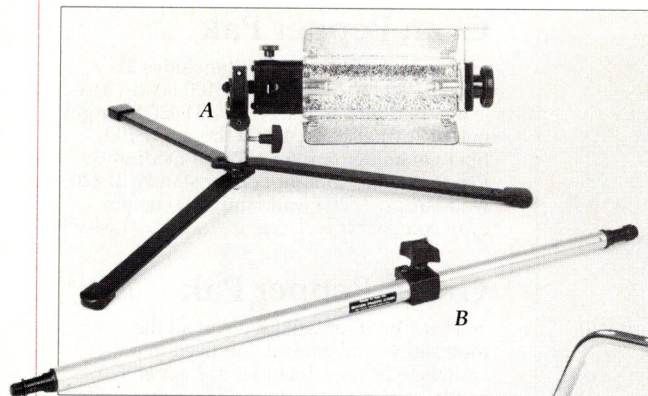
Pepper 400 Soft

A soft 400W light with wide beam spread for broad washes. When you need to localize the light, optional egg crates can be attached to the head. The egg crates are stackable, so soft light can be confined to a small area. 9x5x11-3/4" 216.00
Egg crate 74.50

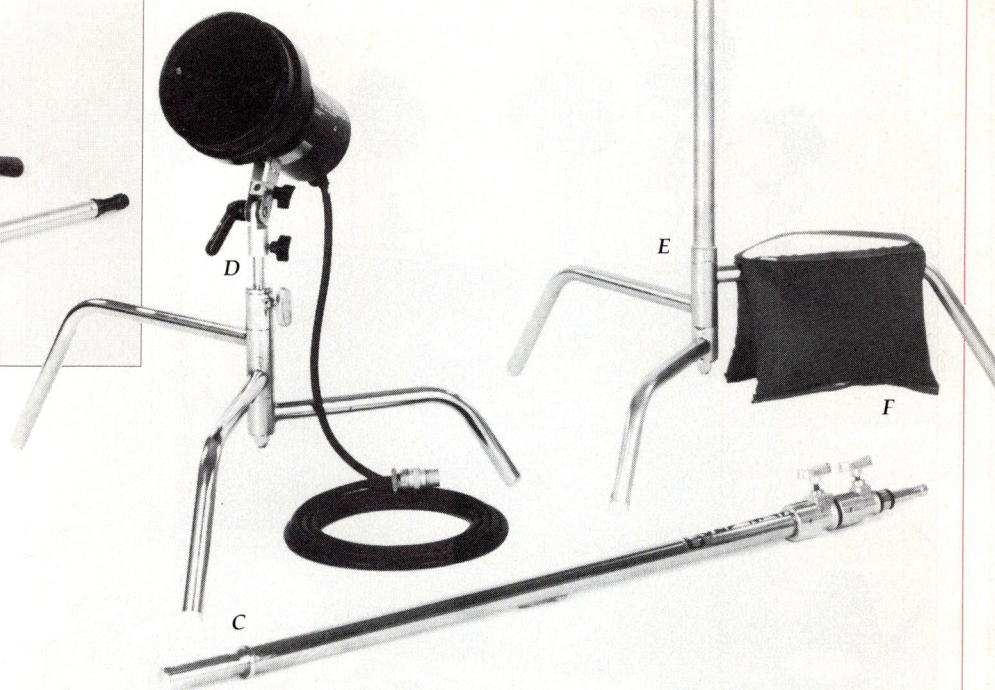
Accessories

One channel Pepper Pot mini-dimmer, 1000W max. 175.00
Three channel Pepper Pot dimmer, 1000W max. per channel 495.00





A) 3095 Bogen backlight stand
(Lowel Tota-Light not included)
B) 3104 Bogen adjustable pole
C) 339758 Matthews C+40 disassembled
D) 429029 Matthews stand adapter
(Speedotron head not included)
E) Matthews C+40 assembled
F) Matthews 15 lb. sandbag (see page 17)



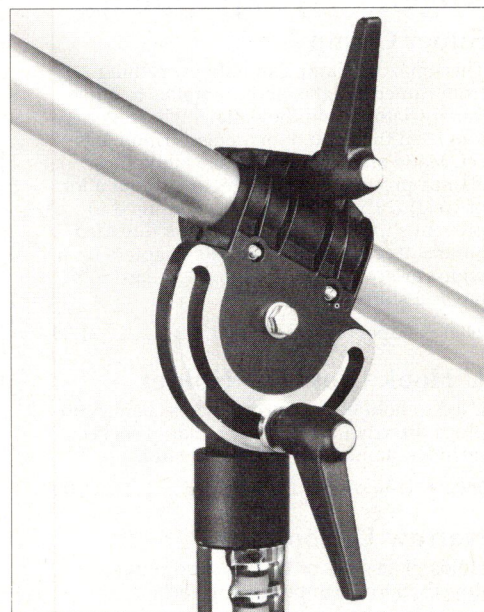
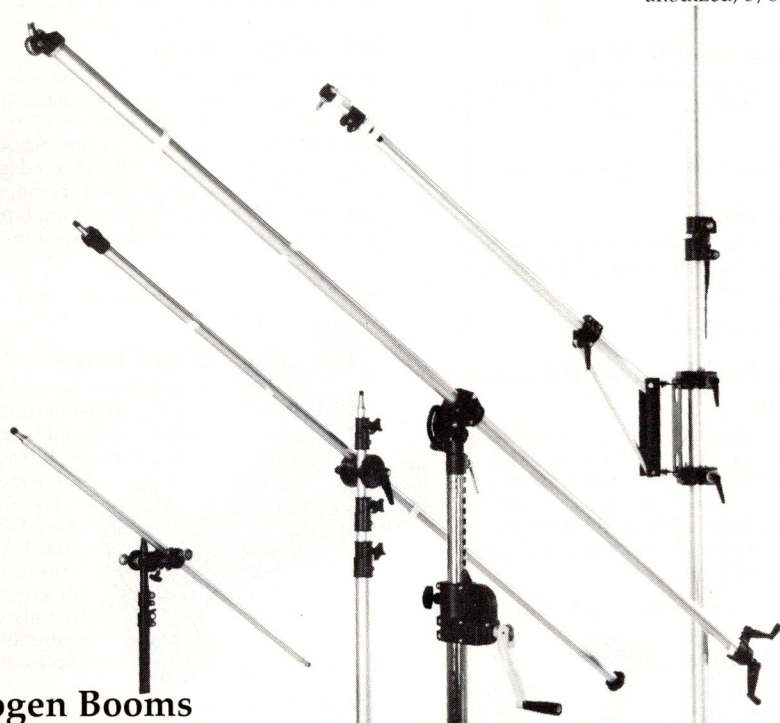
Stands

Catalog Number and Model	Min./Max. height	Folded length	Wheels	Construction and Features	Price
Bogen					
3095 • Backlight stand	3"	3x16"	no	cast aluminum, ultra low floor level stand	\$20.00
3104 • Adjustable pole f/backlight stand	21 - 33"	21"	no	aluminum, 2 section; 5/8" with 1/4-20 thread and 3/8" on other end	\$18.00
3089 • Bantam stand	32" - 6'	24-3/4"	no	aluminum, 3-section; 5/8" w/1/4-20 thread	\$39.00
3097 • Lightweight pro stand	26-1/2" to 7' 9"	26-1/2"	no	aluminum, 4-section; 5/8" w/1/4-20 thread	\$45.00
3086 • Compact stand	34" - 8'	34-1/4"	order #3088	aluminum, 3-section; 5/8" w/1/4-20 thread	\$49.00
3361 • Compact stand	34" - 8'	34-1/4"	order #3088	same as 3086, but w/black anodized finish	\$53.00
3360 • Compact stand	34" - 8'	34-1/4"	order #3088	same as 3086, but w/3/8" stud	\$51.00
3082 • Master stand	38" - 13'	3-1/2'	included	aluminum, 4-section; 5/8" stud w/1/4-20 thread	\$99.00
3365 • Master stand	38" - 13'	3-1/2'	included	same as 3082, but w/black anodized finish	\$98.00
3070 • Wind-up	53.5" - 8' 2"	59"	included	steel, diagonal base; 1-1/8" female socket w/reversible 5/8"	\$388.00
Matthews					
387476 • Lightweight kit stand	26" - 8'	N/A	none	aluminum; slat leg, 5/8" stud	\$45.00
387477 • Medium kit stand	30" - 9'	N/A	none	aluminum; 5/8" stud	\$55.00
389780 • Low boy kit stand	18" - 2' 7"	N/A	none	aluminum; 5/8" stud	\$59.00
387490 • Light/heavy kit stand	45" - 12'	N/A	none	aluminum; 5/8" stud	\$95.00
386030 • Beefy baby double riser- (Rocky Mountain leg)	37" - 8'3"	N/A	none	aluminum, 3-section; leg adjusts for uneven terrain, 5/8" stud	\$150.00
339573 • 20" double riser C-stand w/mini-base	26" - 4'6"	26"	none	steel, 3-section; 5/8" stud	\$130.00
339561 • 30" double riser folding C-stand	43" - 8'	43"	none	steel, 3-section; 5/8" stud	\$145.00
339564 • 40" double riser, standard folding C-stand	10'6" - 53"	53"	none	steel; 5/8" stud	\$140.00
339758 • C+ 40" double riser (Turtle Base w/stand tube)	10'7" - 54"	54"	none	steel, 3-section, base & riser disconnect with turn of a pin for easy storage and transport or for using as low stand (see turtle stand listed below)	\$150.00
339568 • 60" double riser, folding C-stand	73" - 11'3"	73"	none	steel, 3-section; 5/8" stud	\$160.00
339759 • Turtle stand	12"	18"	none	steel; (base only, requires stand adapter for mounting light head)	\$95.00
429029 • Stand adapter f/Turtle base		-	-	steel; 1-1/8" to 5/8" stud adapts 5/8" lights to Turtle base	\$18.00

Catalog Number and Model	Min./Max. height	Folded length	Wheels	Construction and Features	Price
Lowel					
O1-33 • Omni-stand	27" - 9'	27"	none	thick wall drawn aluminum alloy tubing, slat leg base, 5/4" (16mm) stud	\$78.00
KS • Stand	36" - 9'	36"	order 1 LC	thick wall drawn aluminum; alloy tubing; 5/8" (16mm) stud	\$95.00
GS • Grand stand	42" - 10'	42-1/2"	order 1 LC	thick wall drawn aluminum alloy tubing includes on extendable leg for leveling on uneven surfaces	\$155.00
KP • Full pole	35" - 5'	35"	N/A	thick wall drawn aluminum alloy tubing; 5/8" female base and 5/8" male top, extends any 5/8" stud stand or may be used w/Lowel KG grip as a boom	\$43.00
KPH • Half pole	18" - 2' 6"	18"	N/A	thick wall drawn aluminum alloy tubing; 5/8" female base and 5/8" male top, extends any 5/8" stud stand or may be used w/Lowel KG grip as a boom	\$36.00

Smith-Victor

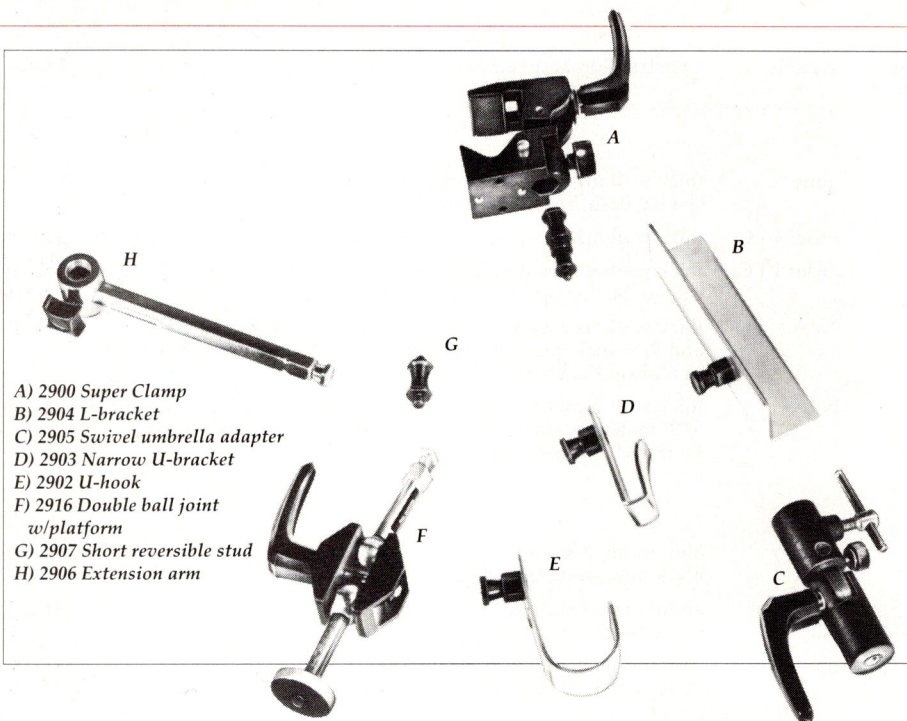
ALS36 • Stand	to 6'	N/A	none	aluminum, 3-section, black anodized; 3/8" mount	\$29.00
ALS37 • Stand	to 7'	N/A	no	aluminum, 3-section, black anodized; 3/8" mount	\$32.00
ALS38 • Stand	to 8'	N/A	no	aluminum, 3-section, black anodized; 3/8" mount	\$34.00



Bogen Booms

Catalog number and Model	Length	Load capacity	Construction and Features	Price
2945 • Mini boom kit	41.5"	3 lb.	aluminum; includes reversible 5/8" male stud w/3/8" and 1/4-20 thread; Bogen mini-clamp (360°), and 3 lb. counterweight	\$45.00
3077 • Wall boom	82.5"	8 lb.	2 section, telescoping aluminum; includes reversible 5/8" male stud with 3/8" and 1/4-20 thread; may be mounted on Auto-poles with two Super clamps; telescopes from 47.5"; 180° horizontal wall mount pivot and 160° vertical brace pivot	\$79.00
3085 • 3-piece boom	80"	10 lb.	aluminum w/10 lb. counterweight; includes reversible 5/8" male stud w/3/8" and 1/4-20 thread; disassembles w/Allen wrench (included)	\$75.00
3385 • 3-piece boom black	80"	10 lb.	same as #3085, but w/black anodized finish;	\$80.00
3087 • Heavy duty boom w/2-section 3071 steel stand	110"	15 lb.	3-section; 1-3/8" diameter aluminum w/15 lb. counterweight; disassembles with Allen wrench (included); 39.4" when folded; friction lock 180° pivot on 1-1/8" male mounting stud; adjustable pivot point	\$219.00
3090 • Super boom w/3071 2-section steel cine stand w/casters (51-92" elevation)	99"	15 lb.	features two rear-mounted (180°, 360°) geared controls to adjust 5/8" mounting stud; 15 lb. counterbalance; pivot same as #3087	\$315.00
3390 • Super boom black w/3071 casted stand	99"	15 lb.	same as #3090, but w/black anodized aluminum finish;	\$350.00
3091 • Super boom w/o stand	99"	15 lb.	same construction and features as #3091;	\$235.00
3391 • Super boom w/o stand	99"	15 lb.	same as #3091, but w/black anodized finish	\$249.00

All prices shown are Helix cash prices for mail order only and are subject to change without notice.



A) 2900 Super Clamp
B) 2904 L-bracket
C) 2905 Swivel umbrella adapter
D) 2903 Narrow U-bracket
E) 2902 U-hook
F) 2916 Double ball joint w/platform
G) 2907 Short reversible stud
H) 2906 Extension arm

Bogen Grip Equipment

Super Clamp

This amazing clamp can hold everything from cameras, lights and umbrellas to other Super Clamps, and they attach wherever you need them: on doors, poles, tripod legs, ect. Made of a lightweight cast alloy, these clamps provide a log of strength without a lot of weight. The 2" jaws are friction-lined to prevent slipping and operate on a threaded handle. Accessory port accepts adapters for a wide variety of uses. Includes standard 5/8" tapered stud.

2900 • Super clamp 21.00

U-Hook Cross Bar Holder

Used to hold up background cross bars. Stud plugs directly into the Super Clamp socket. Includes standard 5/8" tapered stud.

2902 • U-hook cross bar holder 6.00

Narrow U-Hook

Holds plate glass or boards. Stud plugs directly into the Super Clamp socket.

2903 • Narrow u-hook 7.00

L Bracket Shelf Holder

Shelves rest on these individual holders. Stud plugs directly into the Super Clamp socket.

2904 • L bracket shelf holder 10.50

Swivel Umbrella Adapter

This hinged bracket allows you bounce your light off of any 1/2" shaft umbrella. A large friction lock handle permits secure positioning through approximately 270° of arc. Includes two adapter inserts for 1/4-20 and 3/8" male and 1/4-20 and 3/8" female threads.

2905 • Swivel umbrella adapter 17.95

Extension Arm

Perfect for hanging a light or camera from a door, pole or tripod. The 6" extension has a Super Clamp stud for mounting directly to the clamp and an open end for Bogen adapters. A 5/8" stud is included.

2906 • Extension arm 14.50

Short Reversible Stud

This stud permits mounting any item with a 1/4-20 or 3/8" female thread flush to a Super Clamp.

2907 • Short reversible stud 3.50

Joining Stud

This stud makes it possible to join two Super Clamps at 60° angles. Ideal for making a stationary boom.

2913 • Joining stud 3.00

Double Ball Joint with Camera Platform

This two-piece attachment has a double joint for positioning a light, gobo, or reflector. Each end includes a 5/8" stud with either 1/4-20 or 3/8" female thread. The camera platform includes a 1/4-20 thread to mount a camera. The double ball joint may be used with a Super Clamp.

2916 • Double ball joint w/platform 24.00

Mini-Clamp

A small, strong clamp to light stands tripods supports. Uses a vise-type threaded clamp to attach to tubular objects up to 1-1/8" in diameter.

2940 • Mini-clamp 11.00

Mini-Clamp Accessories

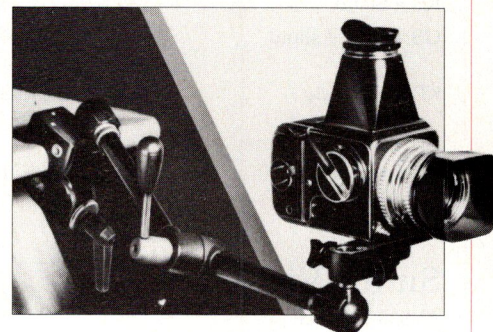
3094 • Double-ended stud 5.95
2971 • Camera stud 4.25
2946 • Single expansion hooks (2) 11.00
2947 • U-hooks (2) 6.95
2948 • Mini L-bracket 6.95
2949 • Camera stud 9.00

Magic Arm

This triple-joint articulated arm has an incredible range of movement for mounting lights or 35mm and medium format cameras. When used with an optional Super Clamp, the Magic Arm will mount to background supports, tripod legs, stands, bookshelves or doors. A large, single handle locks the center

and two end joints. Each end features a 5/8" male stud with female 1/4-20 or 3/8" camera threads. When fully extended the arm measures 19.7". Includes flash shoe and camera bracket.

2930 • Magic arm 55.00



Fork for Magic Arm

A 4-pronged fork for attaching foam core to the Magic Arm.

2931 • Fork f/magic arm 15.00

Articulated Arm

Three separately controlled pivot points allow full movement to position a flat, gobo or fill reflector when used with the Clip Clamp (2936). Can also hold a small shoe-mount flash when used with a shoe adapter (2932). Mounting studs fit either the Super Clamp or Mini Clamp (2940) and are tapped both for 1/4-20 and 3/8 (European) thread studs.

2935 • Articulated arm 25.00

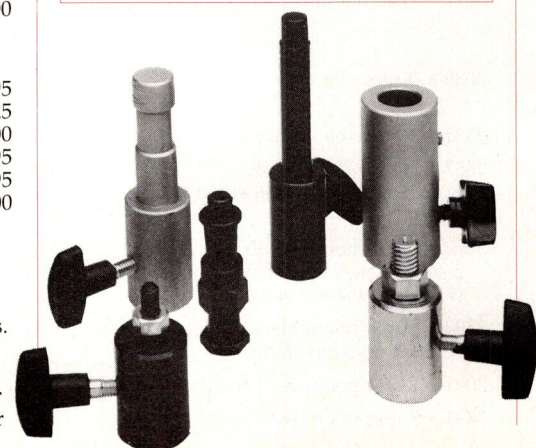


Clip Clamp

This spring-tension clamp attaches to flat or tubular surfaces and includes a 5/8" female mount. It may be used to mount the Magic and Articulated Arms or used to directly hold other lighting equipment or accessories.

2936 • Clip clamp 9.00

Helix Stocks dozens of mounting studs and adapters. Call the Professional Lighting Department for information and prices!



Matthews Grip Equipment

Baby Plates

Designed for holding light fixtures or grip heads on long 5/8" studs. Plates can be nailed or taped to shooting set walls and used outdoors in place of light stands.

429041 • 3" baby plate	12.00
429085 • 6" baby plate	13.00
429065 • 12" baby plate	14.00
429590 • Right angle baby plate	15.00

Grip-A-Light

Lightweight construction with rubber gripping pads allows for positive gripping on doors, table tops, set walls, inside cars, buses, airplanes, etc. Can be fitted with conventional sockets and a variety of household or R-40 type bulbs. A spring loaded friction joint permits 360° pan and 180° tilt.

429496 • Grip-a-light	12.50
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Drop Ceiling Scissor Clamp

A device with 5/8" or 1/2" mounting stud that attaches to T-bar drop ceiling frames. The clamp attaches via scissor action. Ideal for small light fixtures.

429678 • Drop ceiling scissor clamp, 5/8"	8.00
429733 • Drop ceiling scissor clamp, 1/2"	8.00

Gaffer Grip

This multi-use device is unique in that it comes equipped with two 5/8" pins, one on the handle and one on the jaws. Adjustable jaw openings provide normal and expanded mounting capability. Gaffer Grips are normally used for quickly mounting small lighting fixtures to virtually anything, such as doors, pipes, furniture, cameras and light stands. One of its many applications is as a means of securing foamcore.

429587 • Gaffer grip	28.00
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Articulating Arm/Snap-in

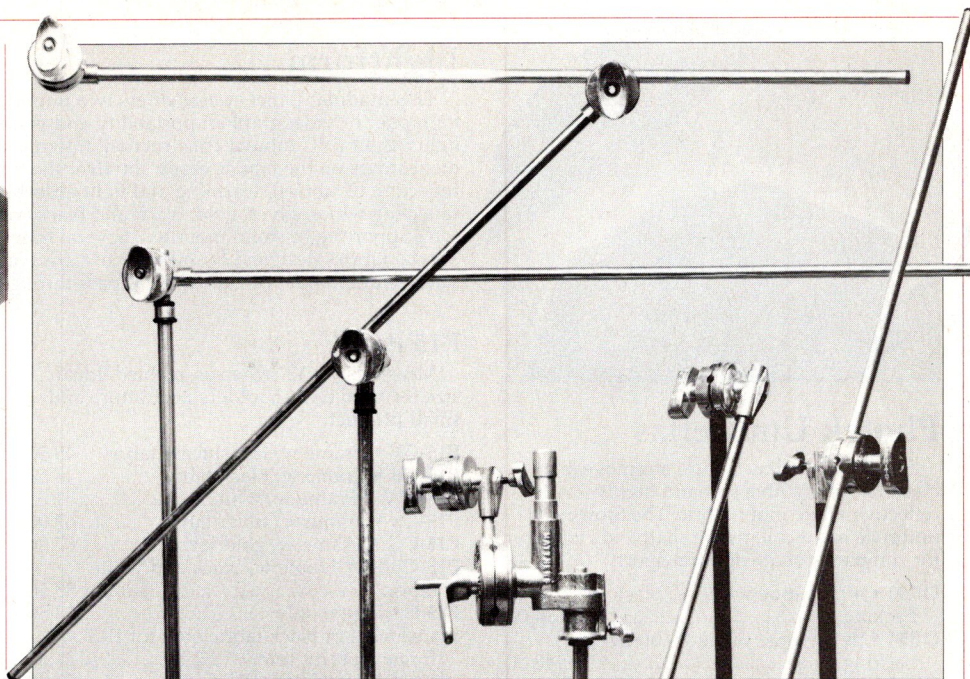
This flexible arm has four thumbscrew locking ball joints for precise positioning of frame-mounted flags, diffusers, reflectors and other Matthews light modifiers. One end fits into the Mafer Clamp (or Bogen Super Clamp), while the other end has a 3/8" female receptor.

209630 • Articulating arm/snap-in	62.00
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Articulating Arm Spring Clamp

Same as above Articulating Arm but this version features an arm which terminates in a spring clamp at one end and a 1/4" diameter locking receiver at the other.

209771 • Articulating arm spring clamp	77.00
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Grip Head and Extension Arms

This versatile stainless steel head mounts on the top of 5/8" stands, booms and extension arms and will receive 5/8", 1/2" and 3/8" round accessories or irregular shapes. Stainless steel extension arms come in two sizes and include a fixed gobo mounting head on one end.

349575 • 2-1/2" grip head only	25.00
680004 • 40" extension arm only	44.00
680006 • 20" extension arm only	29.00
680005 • Grip head w/single extension arm	65.00
680007 • Grip head w/double extension arm	117.00

Suction Cup

Ideal for mounting lightweight equipment to non-porous surfaces. It has 6" pump suction cup and a 5/8" male stud.

427000 • Suction cup	59.00
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Lowel Grip Equipment

Tota-Clamp

This clamp is a threaded C-type with a 5/8" stud. Clamp jaw measures 1-7/8". The stud may be locked in 2-positions.

T1-30 • Tota-clamp	16.00
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Space Clamp

This clamp has two sliding arms and a positionable 5/8" stud. The arms slide along support bar to vertically or horizontally attach lights to wall/ceiling studs, floor joists, square ventilation ducts, shelves and other surfaces. Two or more clamps may be joined together in seconds without tools for wider or irregularly shaped surfaces. Additional studs may be added to the bar.

SC-10 • Large space clamp, 24"	43.00
SC-20 • Short space clamp, 12"	38.00

Grip

A vise-type, 180° swivel clamp that connects to tubular or flat surfaces (up to 2x4 lumber). Also includes a 5/8" female receptor. Ideal for creating booms or for attaching to wall studs.

KG • Grip	24.00
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Lobo Clamp

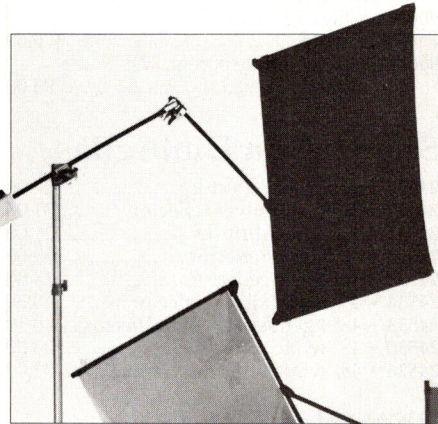
This two piece universal clamp will hold gobo arms, gel frames, umbrellas, flags and just about anything you can think of, to stands booms, or pipes up to 1-1/4" diameter

F1-30 • Lobo clamp	16.00
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Lobo Arm

This 25" tube with 5/8" stud is used in combination with Lowel Lobos and the Grip to extend and articulate flags, lights, etc.

F1-40 • Lobo arm	13.00
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Interlink

A T-adapter with three 5/8" male studs and a 5/8" female receptor. Male studs have 1/4-20 female thread.

KI-10 • Interlink	19.00
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Screw-in Stud

The 5/8" stud with safety undercut can be screwed into wooden surfaces such as the top of studio sets. It will support lightweight lights, flags, reflectors and other equipment.

LSS • Screw-in stud (pair)	9.00
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Helix Clips

This clips attach fabric or paper materials to tubular supports like stands, and pipe. Ideal to hang fabric backgrounds, cardboard or for keeping roll paper in position. 3.00



Photek Umbrellas

Photek umbrellas feature a removeable black backing with a soft and highly reflective white inner fabric. The Stowaway umbrella has a collapsible shaft and ribbing for compact storage and transport.

OP40 • 40" opaque white w/black backing	34.00
OP54 • 54" opaque white w/black backing	48.00
OP68 • 68" opaque white Jumbrella w/black backing	69.00
36" Stowaway	27.00

Profoto Umbrellas

100611 • White vinyl/black back, 34"	48.00
100612 • White vinyl/black back, 42"	61.00
100613 • Translucent white, 34"	32.00
100614 • Translucent white, 42"	49.00
100615 • Silver w/black backing, 34"	99.00
100616 • Silver w/black backing, 42" ...	120.00
100626 • Bigwig silver, 53" (14mm shaft)	170.00
100627 • Bigwig transparent, 53" (14mm shaft)	95.00
900312 • Bigwig silver, 72" (18mm shaft)	170.00
900311 • Bigwig transparent, 72" (18mm shaft)	95.00

Speedotron Umbrellas

24536 • 34" silver reflector	27.00
24537 • 34" super silver reflector	31.00
24531 • 34" white diffuser	21.00
24527 • 34" white reflector	29.00
24535 • 48" silver reflector	28.80
24534 • 48" super silver reflector	40.50
24533 • 48" tiger silver/gold reflector	40.50
24530 • 48" white diffuser	23.00
24526 • 48" white reflector	32.00

Photoflex Litedisc

Here is a multi-purpose solution to light control that is versatile, lightweight and compact enough to fit in your camera bag. On location or in the studio, it is ideal for hand-held light control when minor light adjustments make a critical difference. The Litedisc can also be suspended from a light stand. The circular Litedisc reflector is available from Helix in three sizes and four double-sided fabric combinations. The fabrics are mounted on a flexible steel ring that twists and folds to 1/9 full size for easy storage.

(Select a size and specify color: silver/white, gold/white and silver/black.)	
Litedisc, 22"	31.95
Litedisc, 32"	53.95
Litedisc, 42"	62.95
Litedisc, 22" white/white	27.95
Litedisc, 32" white/white	41.95
Litedisc, 42" white/white	59.95

Lightform

This modular panel system offers two important advantages to the location or studio photographer or videographer: portability and versatility. Lightform panels are portable because of lightweight PVC tubular construction. Internal shock cords allow fast set ups. Elastic attachment straps on the fabrics easily slip over the frame. The 6 fabrics let you create diffusing, reflecting (2 fabrics), warming and light absorbing surfaces. Fabrics include translucent white, reflecting white, silver, gold, black and black/white. Accessories allow the tubular frame to be self-supporting or stand mounted. Several frames can be joined for larger light control units. Special fabrics designed for outdoor use are available for the P15, P22, P32, and P42 panels. These wind flap fabrics allow air to pass through the material for greater stability.

P15 Panel

Measures 42x42" when assembled. Ideal size for head and shoulders portraiture and small product.

P15-CT • Frame w/translucent fabric	48.50
P15-CB • Frame w/black fabric	48.50
P15-CW • Frame w/white fabric	51.00
P15-CS • Frame w/silver fabric	67.00
P15-CG • Frame w/gold fabric	67.00
P15-CB/W • Frame w/black and white fabric	55.50
P15-F • Frame only	38.50
Translucent or black fabric only for P15 frame (specify color)	21.50
White fabric only for P15 frame	24.00
Silver or gold fabric only for P15 frame (specify color)	37.50
P15-B/W • Black/white fabric only	27.50
P15-T/WD • Translucent wind fabric	36.50
P15-B/WD • Black wind fabric	36.50
P15-W/WD • White wind fabric	40.50

New! P6 Panel

Measures 30x30" when assembled. Ideal size for head and shoulders portraiture and table-top photography.

P6-CT • Frame w/translucent fabric	38.50
P6-CB • Frame w/black fabric	38.50
P6-CW • Frame w/white fabric	42.00
P6-CS • Frame w/silver fabric	53.00
P6-CG • Frame w/gold fabric	53.00
P6-CB/W • Frame w/black and white fabric	43.00
P6-F • Frame only	25.00
Translucent or black fabric only (specify color)	16.00
White fabric only	19.50
Silver or gold fabric only (specify color)	32.50
P6-B/W • Black/white fabric only	21.50

P22 Panel

Measures 42x78" when assembled and weighs only 2-1/2 lbs. Ideal size for full length portraiture, fashion and product photography.

P22-CT • Frame w/translucent fabric	65.50
P22-CB • Frame w/black fabric	65.50
P22-CW • Frame w/white fabric	70.00
P22-CS • Frame w/silver fabric	95.50
P22-CG • Frame w/gold fabric	95.50
P22-CB/W • Frame w/black and white fabric	79.00
P22-F • Frame only	55.50
Translucent or black fabric only for P22 frame (specify color)	26.50
White fabric only for P22 frame	34.00
Silver or gold fabric only for P22 frame (specify color)	57.50
P22-B/W • Black/white fabric only	42.00
P22-T/WD • Translucent wind fabric	39.50
P22-B/WD • Black wind fabric	39.50
P22-W/WD • White wind fabric	48.50

New! P32 Panel

Measures 42x110" when assembled. Ideal size for group portraiture and large product photography.

P32-CT • Frame w/translucent fabric	92.50
P32-CB • Frame w/black fabric	92.50

P32-CW • Frame w/white fabric	102.50
P32-CS • Frame w/silver fabric	144.50
P32-CG • Frame w/gold fabric	144.50
P32-CB/W • Frame w/black and white fabric	110.95
P32-F • Frame only	63.50
Translucent or black fabric only for P32 frame (specify color)	37.50
White fabric only for P32 frame	53.50
Silver or gold fabric only for P32 frame (specify color)	93.50
P32-B/W • Black/white fabric only	59.50
P32-T/WD • Translucent wind fabric	54.00
P32-B/WD • Black wind fabric	54.00
P32-W/WD • White wind fabric	65.00

P42 Panel

Measures 78x78" when assembled. Ideal size for large product photography.

P42-CT • Frame w/translucent fabric ..	120.00
P42-CB • Frame w/black fabric	120.00
P42-CW • Frame w/white fabric	126.00
P42-CS • Frame w/silver fabric	177.00
P42-CG • Frame w/gold fabric	177.00
P42-CB/W • Frame w/black and white fabric	138.50
P42-F • Frame only	77.00
Translucent or black fabric only for P42 frame (specify color)	48.50
White fabric only for P42 frame	61.00
Silver or gold fabric only for P42 frame (specify color)	114.00
P42-B/W • Black/white fabric only	78.00
P42-T/WD • Translucent wind fabric	67.50
P42-B/WD • Black wind fabric	67.50
P42-W/WD • White wind fabric	85.50

Accessories

EC-1 Expansion clamp, includes T-clip for connecting frames to stands	25.00
P22-L • Legs (set of 2) attaches to any frame for free standing outfit	33.00
DC-6 • Double clips (set of 6) used to attach multiple frames	15.00
SM • Strobe mount uses 3/8" stud and attaches to any frame	9.00
SC-12 • Single clip (set of 12) attaches to any frame to hold fabrics, gels or power cords	9.00
TC-6 • T-clip (set of 6) used to attach EC-1 expansion clamp to the frame	15.00
TS • Turf spike (set of 2) allows you to stake a frame to the ground	9.00
TB2 • Medium travel bag, holds 10) P15 frames, 8) P22 frames or 5) P42 frames w/fabrics in separate compartment to prevent wear in transit	65.00
TB3 • Large travel bag, holds 17) P15-F or 15) P22-F or 8) P42-F w/fabrics in separate compartment to prevent wear in transit	82.00
5/8" stud to lightform adapter, used to connect a P15 or P22 panel to any 5/8" female receptacle such as a super clamp, mini clamp or magic arm. Requires a T-clip when used with a P22 panel	8.00
P22-CRB • Cross bar w/built-in T-clips	10.00
UC • Universal clamp	38.50
SM5 • Strobe mount w/5/8" stud	13.50

Matthews Light Control

When you've had enough of makeshift light control, Matthews offers a full selection of control accessories for precise and repeatable solutions to lighting. Originally designed for the movie industry, these devices let the still photographer and videographer quickly reduce, diffuse, remove light from a set. All feature sturdy spring steel tubing frames or built-in connecting arms to fit the Matthews 2-1/2" grip head or gobo head on an extension arm.



Scrims and Silks

Scrims (or nets) are an ideal method to reduce the output of specific sources without affecting color temperature. Single scrims reduce light by about 30%, double scrims by 50% and triple scrims by 80%. Silks are an artificial, thin diffusion material for softening light sources.

12x18"	
Single scrim	22.00
Double scrim	25.00
Triple scrim	29.00
Silk diffuser	22.00

18x24"	
Single scrim	26.00
Double scrim	29.00
Triple scrim	39.00
Silk diffuser	27.00

24x30"	
Single scrim	29.00
Double scrim	32.00
Triple scrim	36.00
Silk diffuser	29.00

24x36"	
Single scrim	33.00
Double scrim	36.00
Triple scrim	40.00
Silk diffuser	33.00

30x36"	
Single scrim	36.00
Double scrim	39.00
Triple scrim	43.00
Silk diffuser	36.00

48x48"	
Single scrim	71.00
Double scrim	86.00
Triple scrim	95.00
Silk diffuser	71.00

Flex Scrims

Like the standard open-end scrims, these devices reduce light output. The frame and attachment arm is specifically designed to fit the Matthews articulated arm (flex arm).

10x12"	
Single scrim (open end)	20.00
Double scrim (open end)	23.00
Silk diffuser (open end)	20.00
Solid (opaque black)	20.00

12x20"	
Single scrim (open end)	21.00
Double scrim (open end)	26.00
Silk diffuser (open end)	21.00
Solid (opaque black)	21.00

Floppy Flags, Flags and Cutters

Totally opaque, these devices create shadowed areas within your set. The closed frames are made from steel tubing for strength and lightness. Flags have squarer shaped frames, while cutters have rectangular frames. Both feature attachment arms that fit the 2-1/2" grip head or gobo head on an extension arm. Floppy flags feature an additional flap of opaque material held in place with velcro.

12x18" flag	20.00
18x24" flag	24.00
24x30" flag	29.00
24x36" flag	30.00
30x36" flag	32.00
10x42" cutter	39.00
18x48" cutter	43.00
24x72" cutter	59.00
40x40" cutter	60.00
48x48" cutter	61.00
48x48" floppy flag (opens to 48x96")	99.00
24x72" floppy flag (opens to 24x144")	99.00

Grip Head

2-1/2" grip head only, mounts to any 5/8" stud and features a sturdy rotating clamp	25.00
2-1/2" grip head with extension arm, mounts to any 5/8" stud and features a sturdy gobo head	65.00

Articulated Arm

A four-joint arm with threaded locks that accepts dots, fingers and flex scrims. A receiver locks the light modifier in place and the opposite end fits into the Matthews Mafer Clamp (Bogen Super Clamp), or can be purchased with spring clamp attachment for mounting to stands (specify).

Dots and Fingers

For controlling small specific areas, these devices offer the only solution. They are available in artificial silk, scrim and an opaque black (solid) material. The material is sewn on lightweight wire frames that have attachment posts designed to fit in the Matthews articulated arm or 2-1/2" grip head. Dots are 3, 6 or 10" diameter circular shapes and fingers are 2x12" or 4x14".



Dots

3" single scrim	17.00
6" single scrim	17.00
10" single scrim	17.00
3" double scrim	17.00
6" double scrim	17.00
10" double scrim	17.00
3" solid (opaque black)	17.00

6" solid (opaque black)	17.00
10" solid (opaque black)	17.00
3" silk (diffuser)	17.00
6" silk (diffuser)	17.00
10" silk (diffuser)	17.00

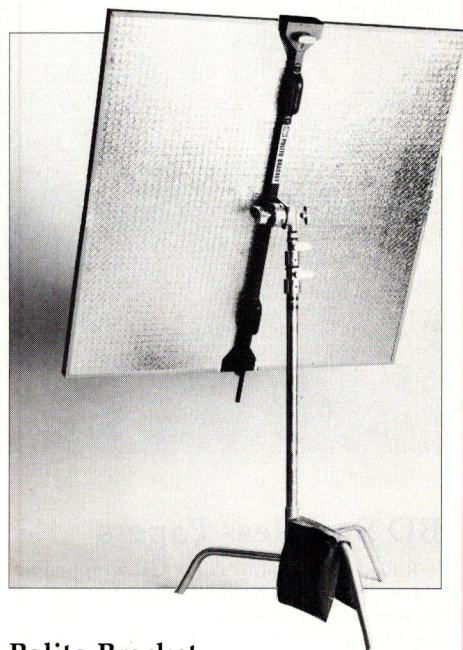
Fingers

2x12" single scrim	17.00
4x14" single scrim	17.00
2x12" double scrim	17.00
4x14" double scrim	17.00
2x12" solid (opaque black)	17.00
4x14" solid (opaque black)	17.00
2x12" silk diffuser	17.00
4x14" silk diffuser	17.00

Expendable Reflectors

These 40x40" reflectors offer a selection of five textured surfaces for fill lighting on location. Designed to resist the wind when shooting outdoors, these reflectors have a 1x1" wooden frame to keep them stiff, an internal cellular fill material to keep them light, and plastic edging to extend their life. All three units offer two different surfaces. There are designed to be hand-held, mounted on a pivoting yoke or Polito Bracket.

119726 • Standard, hard/soft	110.00
119728 • Fill, hard/ultra soft	95.00
119739 • Fill gold, hard/ultra soft	110.00



Polito Bracket

This 40" straight bracket is ideal for supporting the Matth expendable board, foam core or other light reflecting materials. It accepts 1" wide materials. Two handles allow easy manipulation of any material mounted on the bracket. The mounting pin fits Matthews gobo heads for flexible stand mounting or the pin may be used as a ground stake.

119727 • Polito bracket	71.00
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Pivoting Yoke

This lightweight yoke is excellent for stand mounting the expendable board. The yoke offers 360° tilt and pan. Two 1" wide clasps securely suspend the board. Features positive lock. Mounts on long 5/8" studs.

119738 • Pivoting yoke	71.00
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05 • violet	15 • grey
06 • royal blue	16 • black/dark grey
07 • turquoise	17 • dark navy blue
08 • aquamarine	18 • sky blue
09 • green	19 • olive green
10 • yellow green	20 • dark orange
Small 43x31.5"	25.00
Medium 59x39"	49.00
Large 119x75"	150.00
Swatchbook	3.00

Save money on the large Helix Color Shade!

Until July 31, 1988, any large Helix Color Shade in stock is available at an incredible savings 99.00

Helix Clips

These flat black plastic "V" clips are designed to clamp smoothly around stands, bars, etc. with minimum tension so as not to damage materials. Ideal for backgrounds or cardboard. 3.00

Helix Spring Clamps

Get a grip on your seamless with these strong clamps. Available in two sizes, the rubber-tipped clamps protect the paper and keep it from rolling off your cross bar.

Small clamp (1" jaw)	2.50
Large clamp (2" jaw)	3.50

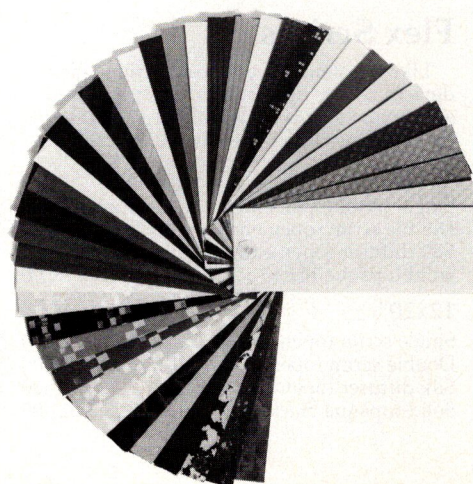
Rosco Muslin

Create your own painted backgrounds on these wide-width muslins in 65 yard long bales. The fabric is available in 14'5", 20'4" or 32'9" widths in either flame retardant or untreated natural material. The color selection includes natural, sky blue, CBS grey, and bleached white CALL Swatchbook 3.00

Proximity

Proximity offers a wide sampling of texturized vinyls in a variety of colors. These 44x88" core wound vinyls are ideal for use on a shooting table. Patterns include grids, stripes, elephant skin, marble, dots and more!

Swatchbook, includes two \$10 off coupons towards your first two purchases 10.00
Proximity 44x88" vinyl (specify) 59.00



BD Seamless Papers

Rolled on 2" hollow cores and wrapped in plastic, BD seamless papers have the best protection against folds and wrinkles. They are available in 3 sizes and a wide variety of colors. All colors are available in 9' and 4-1/2' widths. Only brite-white is available in 12' width. The 4-1/2' rolls are UPS shippable, however, wider paper rolls must be shipped by truck freight. We recommend that you order at least 10 rolls for cost effective shipment. (Average truck freight cost f/10 roll is \$40. Prices do not include shipping.)

107"x12 yds. (9') roll	22.00
52"x12 yds. (4-1/2') roll	15.00
140"x100' (12') brite-white	65.00
Swatch sheet	.75

BD Translum

Ideal for building large window lights, this flexible material is translucent white. Shipped in a protective cardboard tube.
54"(w)x18'(l) 14.00

Photek

Put a luxurious background of pure black suede behind your subject. The rugged fabric may be brushed or vacuumed and includes support bars at each end.

Tabletopper, 54"(w)x8'(l)	69.00
Peoplepopper, 6'(w)x9'(l)	89.00

Helix Color Shade

Put a little variety into your backgrounds with graduated Helix Color Shades. Instead of a solid color, these backgrounds feature a gradual shift from full color to white. Colors are screened on heavy-duty translucent plastic for repeated use. Available in 3 sizes for small table-top, portrait and larger set photography. Select from 20 bright colors.

(Please specify size, number and color when ordering).

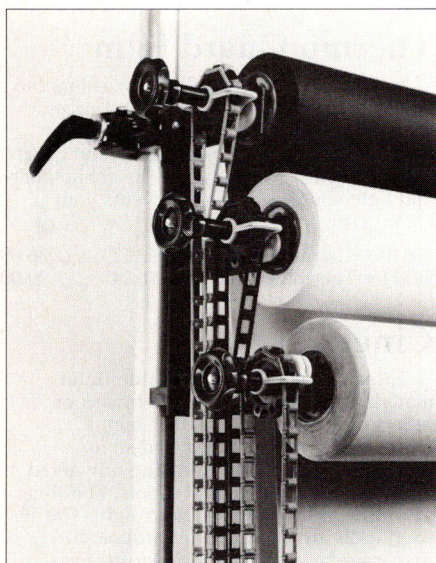
01 • yellow gold	11 • tan
02 • orange	12 • sepia/dark tan
03 • red	13 • dark sepia
04 • pink	14 • rust

Bogen Auto Pole/Expan Drive System

Put the spectacular Bogen modular support system behind your shots! Available as a complete package or as separate components, this convenient system allows up to three paper rolls to be mounted simultaneously. The expan drive system features gear and pulley operation for effortless raising and lowering of the paper. These drive units mount on a triple holder. Paper rolls are held firmly by the expanding arm on the drive unit. Designed for cored paper, optional aluminum cores (2922) may be added to support uncored rolls.

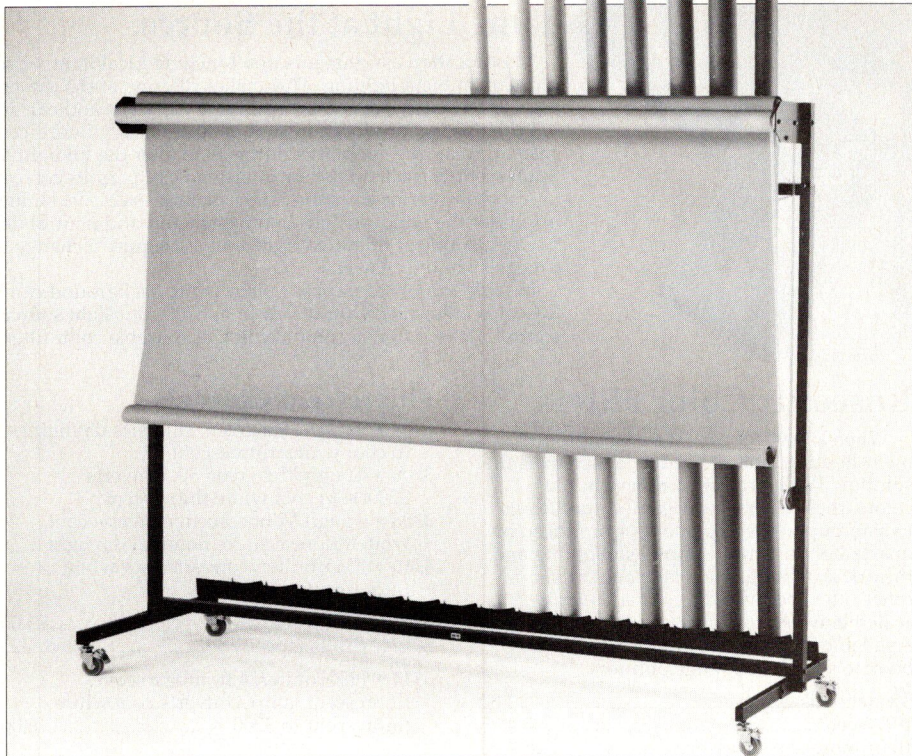
The two auto-poles operate on floor to ceiling (or wall-to wall) tension with a one-hand lock/release lever. Extending up to 11'4", the auto-poles offer firm support.

- 2950 • Auto-pole, set of 2, chrome 109.00
- 2951 • 1.5m extension f/auto-pole, set of 2, chrome 51.00
- 2952 • 2.0m extension f/auto-pole, set of 2, chrome 59.00
- 2956 • Auto-pole, set of 2, black 115.00
- 2957 • 1.5m extension f/auto-pole, set of 2, black 56.00
- 2958 • 2.0m extension f/auto-pole, set of 2, black 64.00
- 2960 • Complete auto-pole/expan kit: 1) 2950, 1)2955, 3)2920 269.00
- 2961 • Complete auto-pole/expan kit: same as above in black 279.00
- 2955 • Background holder hook set: pair of triple holder, pair of super clamps, pair of stand-offs 59.00
- 2920 • Expan drives with plastic chain 39.00
- 2922 • Alu-core, telescoping aluminum crossbar 36.00
- 2923 • Extra chain length 3' f/2920 10.00



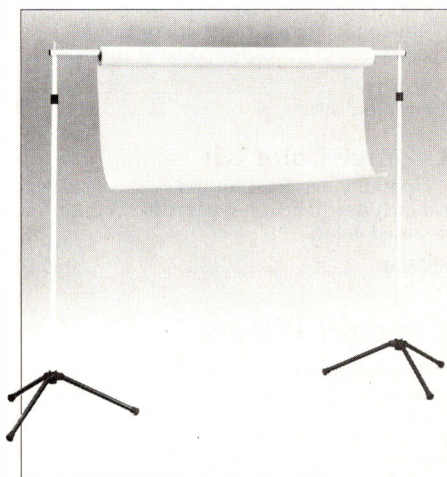
Find out how much variety your images can have!

Get a complete background swatchbook set from Helix. Includes: Helix Color Shade, Rosco Muslin, Proximage, Portrait Products and BD seamless papers swatchbooks. Offer includes two coupons each worth \$10 off the purchase of any Proximage products. Separately \$18.75 **Special! \$12.75**



Fatif Seamless Paper Stand

Fatif offers you a fantastic solution for holding, storing and moving seamless materials in the studio. When wide paper remains hanging for a long period, sturdy support rollers prevent folds from developing. These rollers also ensure even paper delivery and allow fast paper changes. The roll rests on the two supporting rollers and unrolls when you pull on the nylon rope. The support columns telescope to a height of 11'4" and lower for easy changing. Behind the frame, the stand has holders to vertically store up to 15 rolls of paper. When your set is struck, just unlock the heavy-duty casters and roll the unit out of your way. 715.00



Portrait Products Canvas Background

Beautifully handpainted backgrounds for any kind of portrait setting. Each background features top wood support bar and bottom wood rollers. Mounts easily on standard 3/8" stand mount. Plastic sheath bag included.

- 6x7 140.00
- Swatch sheet 2.00

Portrait Products hand-painted canvas backgrounds available in the following colors:

- blue mist
- cloudy sky
- muted brown
- lavender mist
- silvermine

Portrait Products Background Package

Your choice of any Portrait Product background listed above plus an 8 foot heavy-duty stand. \$185.00 value.

\$165.00

Welt Portable Background Support

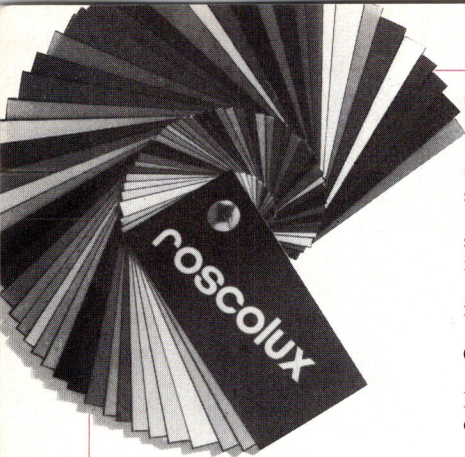
This portable stand sets up and breaks down quickly for studio or location shooting. The telescoping center bar ranges from 60 to 115" to allow standard 9' paper rolls or wide fabric backgrounds to be mounted. Extremely lightweight (10 lbs.), the stand is constructed of sturdy tubular aluminum. The support columns extend from 4'3" to 8'4". When disassembled, the stand measures 66". 82.00

Save money on a Welt Background Starter Kit!

Order the Welt stand with a BD 52"x12 yard seamless in black, white, grey or blue (specify color). \$97.00 value

\$89.00

Need support? Call Pro Services at 312/421-6000.



Tame Light at the Source.

Most location assignments don't include ideal lighting conditions. Some scenes include 2 or 3 different types of ambient lighting. This makes filtering at the camera impossible. By filtering some of these light sources to match each other, you tame the scene and can achieve ideal color balance.

When an interior location shot includes heavy fluorescent lighting, yet still requires additional fill light in specific areas, the simplest solution is to alter the fill light to match the predominant source. Adding fluorescent-corrected flash or tungsten light permits corrective filtration at the camera.

Another interior situation might include excessive sunlight in a tungsten-lit shot. Here, a possible solution is to filter the window light to tungsten and add neutral density.

Often, ambient or added light sources require a change in color or character to make the shot work. Rosco Cinegels are the answer.

In table-top photography a plain white background can become a creative palette for mixing light. Roscolux color filters allow you to master your light sources. For these, and a myriad of solutions to light control, Rosco offers a complete line of reusable color filters, conversion filters, and diffusion materials.

Roscolux Color Filters

When a wash of color on a background or on a shooting table is needed, Roscolux is the solution. With a selection of nearly 100 colors, these filters are designed specifically to stand up to the extreme heat produced by quartz lighting, multi-pop flash lighting and theatrical lighting. They last longer than other filters because the colored layer is sealed between thin layers of clear film. Available in 20x24" sheets. Order a swatch book to see the full range of filters.

Swatchbook	2.00
1-9 sheets	@ 4.25
10 or more sheets, assorted	@ 4.00

Roscolux Diffusion

Roscolux offers a variety of diffusion characteristics in white and color materials.

1-9 sheets	@ 4.25
10 or more sheets, assorted	@ 4.00

Creative Color Kit

Specially designed for video, this sampler set includes 10 heat-resistant 10x12" filters in assorted colors.

852510	20.00
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Cinegel Filters

When you need to mix a variety of light sources or shift color temperatures, Cinegels are the answer. Cinegels also offer diffusion, polarization, UV control and neutral density filtration. Designed for the film and theatrical industries, these materials are ideal for still photography and video on location. These materials may be reused frequently. Cinegels are available in 100 sq. ft. rolls and 20x24" sheets. Order a swatch book to see the full range of filters.

Swatchbook	2.00
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RoscoSun Daylight Cooling Cinegels

3401 • RoscoSun 85, cools 5500°K to 3200°K.	
3407 • RoscoSun CTO, cools 5500°K to 2900°K	
100 sq. ft. roll, 58" wide (specify #)	85.00
20x24" sheets (specify #)	@ 4.25

RoscoSun Tungsten Warming Cinegels

3202 • Tough (full) Blue 50 warms 3200°K to nominal 5500°K	
3204 • Tough Booster (half) Blue warms 3200°K to 4100°K	
100 sq. ft. roll, 58" wide (specify #)	85.00
20x24" sheets (specify #)	@ 4.25

Fluorescent Cinegels

3304 • Tough Plusgreen, converts daylight to cool white fluorescent	
3306 • Tough Plusgreen 50, converts 3200°K to cool white fluorescent	
3308 • Tough Minusgreen, converts cool white fluorescent to nominal daylight	
3310 • Fluorofilter, converts cool white fluorescent to 3200°K	
100 sq. ft. roll, 54" wide (specify #)	85.00
20x24" sheets (specify #)	@ 4.25
3311 • Fluorofilter, 4 ft. tube to cover fluorescent lamp, converts cool white fluorescent to 3200°K	6.00

Diffusion Cinegels

"Soft" denotes materials that should be placed at a distance from hot light sources. "Tough" denotes heat resistant materials. "Light" denotes half density materials.

3002 • Soft Frost, 54" wide	
3004 • Light Soft Frost, 54" wide 100 sq. ft. roll (3002, 3004)	
3000 • Tough Rolux, 49" wide	
3001 • Light Tough Rolux, 49" wide	
3006 • Tough Spun, 54" wide	
3007 • Light Tough Spun, 54" wide	
3008 • Tough Frost, 48" wide	
3009 • Light Tough Frost, 48" wide	
3026 • Tough White Diffusion, 54" wide	
100 sq. ft. roll (specify #)	75.00
20x24" sheets (specify #)	@ 4.25

RoscoSun Neutral Density Cinegel

3402 • RoscoSun N3, minus 1 stop	
3403 • RoscoSun N6, minus 2 stops	
3404 • RoscoSun N9, minus 3 stops	
100 sq. ft. roll, 58" wide (specify #)	90.00
20x24" sheets (specify #)	@ 4.25

Polarizing Cinegels

A recent addition to the Cinegel line, these filters minimize beam dispersion. When used with a lens polarizer, they are extremely effective in removing unwanted glare. 19" wide, running foot

UV Correcting Cinegels

311413 • 100 sq. ft. roll, 54" wide	85.00
311411 • 20x24" sheets	@ 4.25

Daylight Correction Kit

This kit is ideal for video, film or still photography where exterior daylight is mixed with interior 3200°K lighting. Includes 8' lengths of RoscoSun 85 conversion material, RoscoSun N6 neutral density and Soft Frost diffusion material for use on windows.

325110	50.00
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Tungsten Correction Kit

This kit of 10) 10x12" sheets lets you increase the color temperature of tungsten sources. Included are 2 ea. Tough Blue 50, Booster Blue, Half Booster Blue, Quarter Booster Blue and Tough Blue 50 Frost.

325010	20.00
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Diffusion Kit

This kit includes 19) 10x12" sheets of diffusion materials in a variety of grades.

302010	20.00
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RoscoScreen –

Rear Screen Projection Material

When you need to create the location in the studio, project your scenes or patterns onto RoscoScreen behind your subject. Designed for film or theatrical special effects scenes, this material also allows custom screens to be made for professional AV presentations. RoscoScreen is available in a 55" width.

210011 • 55" wide, per running yard	12.00
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Thermo Guard Film

Now the full range of Roscolux colors can be used with high-intensity light sources. This heat reflection film has a multi-layer coating which reflects heat emitted by quartz lights. When placed between the gel holder and light source, this film prevents your color gels from melting.

99510 • Thermo Guard film 12x12"	36.00
99511 • Thermo Guard film 20x24"	99.00

Cinefoils

These specially fabricated aluminum materials are designed to either mask or reflect light. The black matte Cinefoil material absorbs light and is ideal for masking light leaks, eliminating unwanted light, and creating custom snoots. The silver satin Cinefoil will softly reflect light. The 50 sq. ft. rolls are packaged in cardboard dispenser boxes in 12 or 24" widths for convenient use.

100112 • Matte black, 24"x25'	20.00
100113 • Matte black, 12"x50'	20.00
100212 • Satin silver, 24"x25'	20.00
100213 • Satin silver, 12"x50'	20.00

Kodak Professional Photoguide

The standard reference; make balancing color easy and understandable.

See page 53 for Minolta Color Meter II.

Trengove Steam Chips

These chips mix with water to keep your shots looking hot. Ideal for creating that fresh from the stove or oven look with hot beverages or food. 6 oz. 35.00

Trengove Ice Powder

Put a frosty touch to glasses and windows, or create snow cones and snowballs with Trengove Ice Powder. This powder is non-toxic, odorless and completely biodegradable for trouble-free use. These crystals transmit light just like real frost for an iridescent look. Ice Powder also works as a thickener in prop drinks like frappés. 6 oz. 25.00

Trengove Aqua Gel

Keep the wet look alive with this gel. It's ultra-clear to simulate water yet it is thick enough to hold a shape. Food coloring may be added to create syrup, jam, gravy, or topping. It thins with water or increased temperature and it thickens with cooling. 16 oz. 25.00

Trengove Snow

In a choice of two materials, these 1 lb. bags let you shoot your winter and Christmas catalog shots anytime of the year! The Styro Snow is granular snow, while Poly Snow simulates flaked snow.

Styro snow, 1 lb. 8.00
Poly snow, 1 lb. 8.00

Helix/Trengove Special Effects Sample Kit

Enhance your photographs with these professional special effects! This kit includes a sample of Steam Chips, Aqua Gel (for water or liquid effects), Ice Powder (for frost effects). 15.00

Acrylic Ice Cubes

When the shot calls for a "cool" look that won't melt, these acrylic cubes are the best solution. Beautifully hand-carved, each cube is a different shape.

Individual cube 18.00
Set of four cubes 65.00

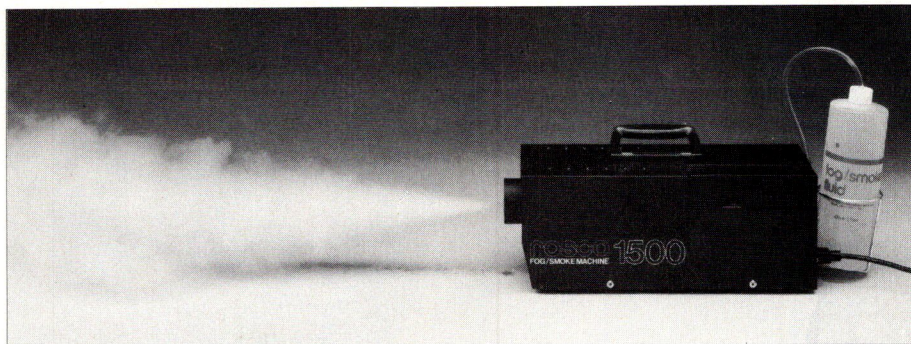
Helix Glass Ice Cubes

Individually handmade from molten pyrex, these glass cubes won't stain or discolor in beverages. They offer better light refraction than ordinary plastic cubes and no two are alike. Will not show scratches. 25.00



Tacki-Wax

When your subject has to stay in place, Tacki-Wax has the hold. Whether it's a box of cards, or a house of cards, this wax keeps your shot in shape. This malleable wax is reusable and repositionable and it won't damage your set. 9.95



Rosco Fog/Smoke Machine, Model 1500

If your shot needs a little mystery or added realism, Rosco offers an affordable and reliable machine for fog and smoke effects. The 1500 provides a continuous flow of non-toxic and non-irritating dry smoke for film, video or still images. The basic unit includes a remote control to vary the density from wispy cigarette smoke to a billowing cloud and a pump system that draws from an external source. Since the fluid source is external, effects may be maintained through extended theatrical scenes, extended filming or extended taping. The 1500's heat-exchanger atomizes Rosco Fog/Smoke fluid without leaving a residue. State-of-the-art electronics assure safe, continual operation. Optional hose adapter, ducting hose, carrying case, and remote extension cables are available. 695.00
Standard fog/smoke fluid, 1 gal. 49.00

(For other fog/smoke fluids and accessories, please contact the Professional Lighting Department, 312/421-6000)

Rosco Blood

Without any pain, this non-toxic and non-staining stage blood will bring added realism to your film or tape footage, theatrical production or still image. Rosco Blood dries more slowly than the real thing, yet gives the same appearance wet and dry on skin and fabric.

2 oz. 2.50
6 oz. 5.50
16 oz. 11.50

Rosco Break Away Bottles

If your shot needs that brawling look, these bottles break safely, yet realistically. Available in amber (#1), green (#2) and clear (#3). They are available in beer bottle, cola bottle, whiskey bottle, wine bottle and water glass styles. Special packaging ensures intact delivery. Minimum order of 1 dozen per type and color (specify). 80.00/doz.

Dulling Spray

Remove blind spots and hot reflections from your shot in an instant with this simple-to-use aerosol. Perfect for metal or wood surfaces. Removes with a damp cloth. 5.95

Bogen Wind Machine

Put the blown look into your still photographs, film footage and videos! Unlike a household fan, this unit delivers a controlled velocity of air with pin-point accuracy by using directional vanes located on the intake and exhaust sides of the tubular body. The mounting yoke features a locking knob for easy positioning and a locking 5/8" hole for easy stand or ceiling rail mounting. Fan speed is continuously variable up to 2500 rpm via a remote control which is included with the unit. 12" long x 10" diameter, 13.5 lbs.

0198 • Wind machine 549.00

Call the Professional Lighting Department at 312/421-6000 for more information on special effects equipment and supplies.



Bowens Mono Spot

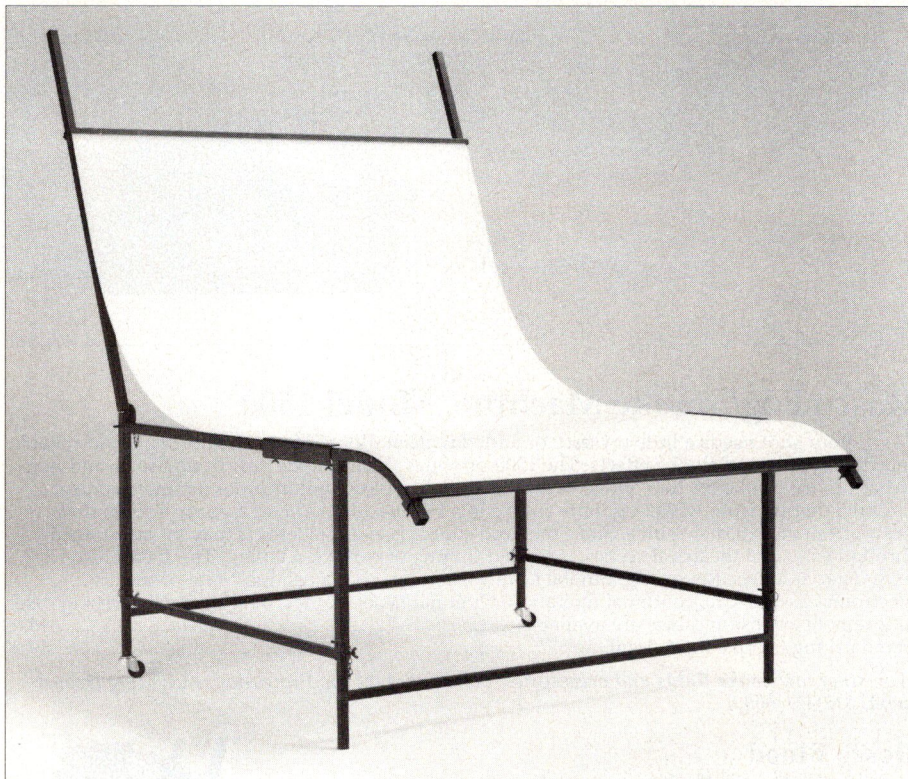
This unit offers an inexpensive way to project patterns and colors onto your backgrounds or where ever you want them. The Mono Spot is a self-contained, focusing spotlight with a built-in 190 Ws electronic flash and 100W, 12V (EFP) modeling light (not included). Light shaping leaf control and focus control are top-mounted, as well as the insertion port for optional patterns and filters. Controls are side-mounted for convenient access. These controls include on/off, full/half power, plus modeling light control. This fan-cooled unit recycles in 2.5 sec to full power and 1.8 secs to half power. 18.5 x 6.5 x 8.25", 15 lbs. 999.00

Gobo/Filter Kit for Mono Spot

Includes 6 patterns, 5 color filters and a magnetic holder. 152.00
Magnetic holder only 18.00

Rosco Designer Patterns

Add a creative dimension to your photography with designer patterns! Project a pattern of foliage, leaves, blossoms, web woodlands, clouds, lighting, jungle and more. Designed to fit in the Bowens Mono Spot, Profoto Zoom Spot and most ellipsoidal reflector spotlights, these patterns are 3.28" (86mm) in diameter. Contact the Pro Lighting Department for a complete catalog of patterns. The patterns are photoetched in a durable grade of stainless steel. 8.95



New and Improved! Fatif Shooting Table

Now UPS shippable!

Table-top shooters needing a versatile, shadowless table will appreciate the flexibility of this model. Fatif has added adjustable legs and wheels to the rear uprights for fast knockdowns and storage. Unlike other tables, the Fatif features a pivoting back support which allows an incline range from perpendicular to a gradual rise. The maximum shooting area is 96" long by 48" wide. Whether you use plexiglass or a veneer surface (up to 1/8" thick), the table features front, back and side channels to keep the shooting surface rigid. The table does not include a plexiglass sheet.*

Shooting table 395.00

** Fatif shooting tables are sold without plexiglass, thus cutting down on costs and delays due to truck freight shipment. We recommend that you buy your plexiglass from a local plastics supplier. Call the Professional Services Department for complete details.*

Roll Paper Holder

For added convenience, the Fatif Shooting Table accepts an optional roll paper holder with locking clamps for paper up to 48" wide. 86.00

Special Offer!

Order the Fatif Shooting Table before June 30, 1988, and receive a Proimage vinyl or medium Helix Color Shade shooting background FREE!
(\$60.00 value)

See pages 28 & 29 for descriptions of these products.



Bencher Exposure Booth

Now shooting small table-top shots is a breeze! The exposure booth is a self-contained cabinet with a built-in tungsten 3200°K lighting system. The shooting area measures 27.5" wide x 26" deep x 27.5" high. A roll paper holder is built onto the back. Three sides of the unit have independently controlled 250W lamps with forced air cooling. Accessories include floor stand, rear-screen projection back, translucent sweep, 600W base bottom light, and translucent floor for bottom illumination.

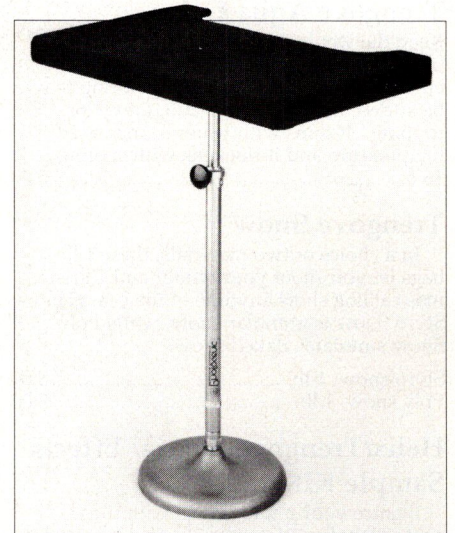
100-01 • Exposure booth	1650.00
105-10 • Floorstand	250.00
105-20 • Translucent sweep	250.00
105-30 • Translucent floor	105.00
105-40 • Rear projection screen	195.00
105-50 • Backlight	145.00

Bogen Technal Transi-Table

For shadowless small product shooting, Bogen offers a complete table with a rigid frosted acrylic surface that supports products up to 75 lbs. At 32" off the floor, the table has a 47" wide surface, while the background extends upward for another 31". The front edge features an extended lip for shooting from an extremely low angle. The price listed below includes shipment by truck freight from New Jersey.

Transi-table, shipped to zip codes 0-6 .. 570.00

Transi-table, shipped to zip codes 7-9 .. 604.00



Photogenic "Tony" Posing Table

This adjustable posing table comfortably accommodates any portrait subject. The table top is covered with black felt for non-reflectance and features a recessed back. The base is cast iron for sturdy support with a chrome plated adjusting column. The table's height adjustment ranges from 28 to 48 inches. 169.00



Adjusto Posing Stool

Pose your clients on this adjusting stool. The black-finish steel seat may be raised or lowered for your model's comfort. An optional vinyl cover and arm rest are available. The seat locks into position through the easy-to-operate Adjustrite® locking mechanism.

Posing Stool	62.00
Vinyl seat cover	Call
Arm rest	Call



Lightware Cases

If you've had your fill of lead-weighted cases to transport your photo equipment, take a good look at what Lightware has to offer. These exceptionally lightweight, durable equipment and accessory cases are designed to protect your livelihood from the hazards of travel.

Lightware cases weigh from 3-8 lbs., while conventional hard transport cases weigh at least 15 lbs. Although they're light and pliable, Lightware cases start with an abrasion and puncture resistant ballistic weave material that is water resistant and fire retardant.

In most Lightware cases, sandwiched between the outer shell and an inner layer of tricot, is a 1-inch thick inner fortress of Duralight. Duralight has the shock and impact resistance to protect your equipment in a commercial airline's baggage hold. Duralight is also highly insulative to heat and cold.

All cases have a heavy duty, self-healing coil zipper with lockable security sliders and a 2" web handle strap that wraps around the case for added strength and joins in a padded velcro handle. An optional padded shoulder strap fits all cases.

Single Compartment Cases

These cases are designed to fit most power supplies. Inside dimensions are given.

Speedotron/Broncolor (13.5x 8.25x 10.5")	199.00
Norman 200B (13.5x8.25x10.5")	189.00
Norman 2000/4000 (16.5x6.75x12")	199.00
Balcar 2400 (11x6.75x15.5")	199.00
Profoto 3A (11x6.75x15.5")	199.00
Elinchrom 101, 202 (19.5x5.75x13")	199.00
Elinchrom 404 (19.5x5.75x17.25")	215.00
Godard (15x11.5x16.5")	199.00

Two Compartment Cases

Designed to fit a pack, heads and some accessories. Internal dimensions for each compartment are given.

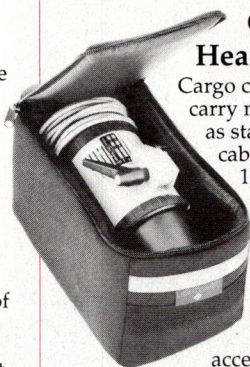
Norman 200B (6x8.25x10.5")	189.00
Dynalite 804, 805 (7x6x18")	189.00

Three Compartment Cases

Designed to fit a pack, heads and accessories. Internal dimensions for each compartment are given.

Dynalite single (7.75x5.75x9")	199.00
Dynalite double (7.75x5.75x18")	229.00
Comet CX-244 (1-comp. 11x6x14.5", 2-comp. 5x5x14.5")	229.00

Profoto kit (1-comp, 11x7x13.25, 2-comp. 8.75x7x13.25")	239.00
Strobe head case (6.5x8.5x13")	229.00



Cargo Cases and Head Pouches

Cargo cases are designed to carry more durable items such as stands, booms, tripods and cables. They are made of 1/2" Duralight II and have the same rugged construction as all other Lightware cases. Head pouches may be used inside cargo cases or separately for small heads or fragile accessories. Dimensions listed are internal.

Cargo24, (23.5x11x11")	102.00
Cargo32, (31.5x11x11")	122.00
Cargo42, (40.5x11x11")	149.00
Cargo52, (48.5x11x11")	185.95
Small Head Pouch, (9x5x5")	44.00
Large Head Pouch, (10x6x6")	54.00

New! Soft-Sides Cases

If you need a protective case to travel around town with, this is the answer. Soft Sides unzips so that it can lie completely flat for easy storage and access to equipment.

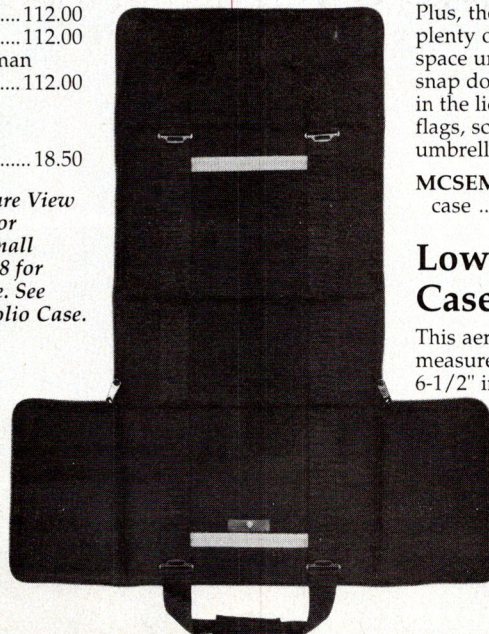
Speedotron/Broncolor	112.00
Norman 2000/4000	112.00
Dynalite 804, 805/Norman 200B	112.00

Accessories

Shoulder strap	18.50
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See page 40 for Lightware View Camera Case, page 47 for Medium Format and Small Format cases. See page 8 for picture of Dynalite case. See page 92 for New! Portfolio Case.

Call the Professional Lighting Department for prices and information on a custom designed hard-shell transport case for your equipment.



Satter Light Stand Cases

These soft black cordura cases are ideal for carrying light stands and umbrellas around town. They have velcro straps for easy securing of stands and plastic sheaths for safe storage of umbrellas.

ProLite 1 (37.5x16.5x10.5")	79.00
ProLite 2 (17x18.5x11.75")	89.00

Tenba Air Cases

These lightweight ATA approved cases provide solid support for your power supplies, heads, stands and accessories. The Head-4 case has three moveable velcro-fastened dividers. The two compartment Multi case can be subdivided into 6 compartments with 4 velcro-attached moveable dividers. These custom divided cases allow you to change your case as your needs change. Dividers are 2" lower than top to allow placement of light stands and umbrellas. Dimensions listed are internal.

Head-4 air case (35x14x8")	209.00
Multi case (2-compartments each 22x8x7")	225.00

Fiberbilt Tripod and Stand Cases

These lightweight hard fiber cases have a sliding adjustable top to accommodate most sizes of tripods and light stands. They are round with one flat side.

P508-02 • Case (length 30-40", inside diameter 8.5")	72.00
P508-03 • Case (length 40-50", inside diameter 8.5")	72.00
P508-04 • Case (length 30-40", inside diameter 10")	78.00
P508-05 • Case (length 40-50", inside diameter 10")	78.00

Lowel Multi Case

Constructed of hard molded plastic and weighs 16-1/2 lbs. Designed to hold 4 heavy stands and four Lowel DP lights and a multitude of accessories. Outer dimensions are 37-1/2x17-3/4x8-1/2". The interior is divided into four compartments for lights and

accessories. Plus, there's plenty of storage space under a snap down flap in the lid for gels, flags, scrims and umbrellas.

MCSEM • Molded multi case	185.00
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Lowel Tube Case

This aerofiber case measures 29" long and 6-1/2" in diameter. It weighs in at 2-3/8 lbs. yet can safely hold up to 5 Lowel Omni stands.

T1-82 • Tube case	70.00
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Shooting





Sinar Large Format Equipment

In an advanced modular system, Sinar offers three levels of 4x5" and 8x10" cameras. The modular philosophy permits photographers to develop a system that precisely fits their requirements as the need arises. Where other systems make a distinction between field, location and studio cameras, Sinar merges these distinctions for unlimited expansion through a standardized monorail and accessory system. The F1, F2, and P2 cameras feature a 2-point focusing system, precise calibration on all movements, and a patented anti-yaw design. The optimum degree of tilt and/or swing can be established by means of the 2-point focusing system. This eliminates the trial and error approach common to other cameras. Accenting this system is the anti-yaw design which keeps the swing axis vertical when the monorail is inclined. Multi-axes adjustments can then be more easily applied.

All Sinar cameras share an extendable 12" basic rail and clamp. Extensions are available in 6", 12" and 18" lengths. The removable standard bellows on the 4x5" camera measures 18" and the 8x10" tapered bellows measures 26". Wide-angle bellows are available for both formats.

All Sinar cameras feature a standardized mounting system for ground glass back, bellows and lensboard. For fast general focusing, all Sinar cameras have free movement along the rail and utilize a geared control for fine focus. All cameras and their parts are finished in non-reflecting black. Lens boards are not included.

F1

This is the economical entry point into the Sinar system featuring light weight, yet sturdy construction that is excellent for the field. Other characteristics include the standard back with ruled ground glass and geared fine focusing control on the rear standard. The F1 has a vertically sliding twin-rail support for direct rise and fall movement. To support larger film holders and lenses, the 8x10" model features heavier

construction on both front and rear standards. The 8x10" also includes the metering back and front fine focus control. Swings and lateral shifts are jointly controlled from a single lever camlock on each standard. Horizontal and vertical fluid levels are mounted on the front and rear standards.

21-1005 • F1, 4x5"	865.00
21-1002 • F1, 8x10"	2,272.00

F2

The F2 features fine focusing on the front as well as the rear standard and a metering back. Standard bearer design and control design remain the same as the F1. (Call the Helix View Camera Department for additional information on the recently introduced 8x10" model).

21-1007 • F2, 4x5"	1,344.00
21-1004 • F2, 8x10"	4,351.00

Sinar Image Kits

Sinar F1 Image Kit

Consists of a Sinar F1 4x5 camera, 6" black extension rail, fresnel lens, wide angle bellows, filter rod, 2) bellows holders, reducing bushing and Sinar F1/F2 image case.

21-5006 • F1 image kit	1,423.00
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Sinar F2 Image Kit

Same as F1 image kit but with the Sinar F2 4x5 camera.

21-5007 • F2 image kit	1,917.00
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P2

The P2 delivers ultimate control for large format photography in 4x5", 5x7" (special order) and 8x10" formats. Format changes can be made by means of adapters or reducing frames. Sinar includes tilt control at the monorail and just below the bearer frame. Micrometer drives control fine focusing, rise and shift on both the front and rear standards. The ruled ground glass is mounted in a metering back.

21-2201 • P2 MB, 4x5"	5,402.00
21-2203 • P2 MB, 8x10"	8,155.00

Sinar Binoculars Reflex Magnifier

For viewing at normal size or 2-1/2X larger.

23-4019 • Binocular reflex magnifier housing (requires 23-4030)	597.00
23-4021 • Binocular magnifier	179.00
23-4030 • Light hood with light drop ...	113.00

Sinar Bellows

23-3004 • Square bellows 4x5", 18"	203.00
23-3002 • Tapered bellows 8x10", 26"	578.00
23-3007 • Wide-angle bellows, 4x5"	192.00
23-3011 • Wide angle bellows, 8x10" MB	518.00
23-3006 • Wide angle bellows, 8x10" non-MB (old style)	518.00

Helix stocks the full line of Sinar view cameras. Call the View Camera Department for additional information.

Sinar Monorail Extensions

Current monorails are completely black. For older cameras, please specify chrome when ordering.

23-1206 • 18" monorail extension, black	203.00
23-1209 • 12" monorail extension, black	146.00
23-1207 • 6" monorail extension, black	114.00
23-1204 • End cap for monorail (repl.) ...	29.00
23-1001 • Monorail clamp with sleeve	164.00

Sinar Ground Glass and Accessories

23-2017 • 4x5" rear carrier frame	313.00
23-4007 • 4x5" ground glass, grid lined	32.00
23-4009 • 8x10" ground glass, grid lined	69.00
23-4029 • 8x10" MB ground glass, grid lined	74.00
23-2013 • 4x5" fresnel holder only	50.00
23-2012 • 4x5" fresnel lens in holder	170.00
23-4011 • 4x5" fresnel (field) lens	128.00
23-4012 • 8x10" fresnel (field) lens	251.00
23-4032 • 8x10" MB fresnel (field) lens	258.00

Sinar Lens Boards

24-1001 • Blank lens board	48.00
Pre-cut lens board (specify Copal 0, 1, or 3)	59.00

Sinar Pan Heads

23-6010 • Pan/tilt head 3/8"	474.00
23-6006 • Reducing bushing 3/8" to 1/4-20 f/Sinar rail clamp	16.00

Sinar Filter/Bellows Holders and Accessories

One rod and two bellows holders are required to support a standard bellows as the compendium lens hood.

23-1010 • 10" bellows/filter hood rod	22.00
23-1011 • 6-1/4" bellows/filter hood rod	17.00
23-1012 • 4-1/2" bellows/filter hood rod	16.00
23-1015 • Joint rod, two-point swivel rod	156.00
23-1013 • Bellows holder	21.00

See page 54-55 for the Sinar universal color filter system.

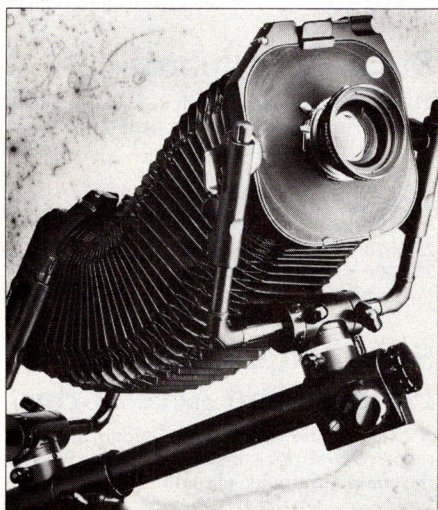
See page 53 for the Sinar Booster I meter probe.

For a versatile multi-format system, purchase an 8x10 P or P2, 4x5 F1, a 4x5 format frame (23-2017), a 12" extension rail (23-1209) and an 18" extension rail (23-1206). You can use the 4x5 bellows and 4x5 back from the F1 with the format frame to convert your 8x10 to a 4x5, and you can use the 4x5 bellows and either standard from the F1 to extend your 8x10 when more bellows draw is needed. For more information on how to maximize the Sinar system for your type of shooting, contact Bruno Hauser in the View Camera Department at 312/421-6000.

Fatif DS View Cameras

The Italian designed Fatif is a modular camera system finished in non-reflecting black. The 4x5 DS has a long, 28" bellows on a 18" (450mm) geared monorail and the 8x10 DS has a 38" standard bellows on a 30" (750mm) geared monorail. This extra bellows length combined with double tilt standards allows the camera to extend beyond the monorail and still utilize some movements. Both the front and rear standards feature base tilt (calibrated) and optical-axis tilt. Also, the front and rear shifts are calibrated and feature a geared mechanism. Rise and fall movements on the front and rear standards feature cam locks. The lever-operated ground glass allows easy film holder insertion. For convenience in packing, the DS standards swing to 90° with the bellows removed. Levels are built-in to the top of the standard.

- 10 • DS 4x5" camera w/front and rear standard, standard bellows, 17.7" monorail and rail clamp 895.00
- 12 • DS 8x10" camera w/front and rear standard, standard bellows, 30" 2-part monorail and rail clamp 2,195.00



DS Accessories

- 15 • 8x10" rear standard w/bellows, f/coverting 4x5" camera to 8x10" ... 1,622.00
- 16 • 4x5" reflex viewer with pivoting mirror and magnifier 399.00
- 20/24 • 8x10 to 4x5" reduction back, 1 piece construction w/4x5" back. 495.00
- 30B • 4x5" long bellows, 32"+ maximum extension 199.00
- 30C • 4x5" wide angle leather bag bellows 168.00
- 33 • Flat lensboard 32.00
- 34 • Recessed lensboard 55.00
- 36 • 8x10" long bellows, 38"+ maximum extension 375.00
- 37L • 8x10" wide angle leather bag bellows 299.00
- 39 • 4x5" ruled ground glass 32.00
- 41 • 8x10" ruled ground glass 55.00
- 123 • Compendium lenshood 85.00
- 981 • Lenshood/filter holder for 4x4" filters 89.00

Buy a Fatif DS 8x10 view camera with: (20/24) 8x10 to 4x5 reducing back, (37L) 8x10 wide angle leather bag bellows, (123) compendium lenshood and (33) flat lensboard. Limited quantities!

Reg. \$3,106.00 **Special! \$2,495.00**

Linhof

Precision and functional design are the hallmark of Linhof cameras. In recent years, this manufacturer has concentrated design efforts on the large format monorail. The Technikardan, GT and GTL cameras are the results of this effort. All Linhof cameras carry a 5 year limited warranty.

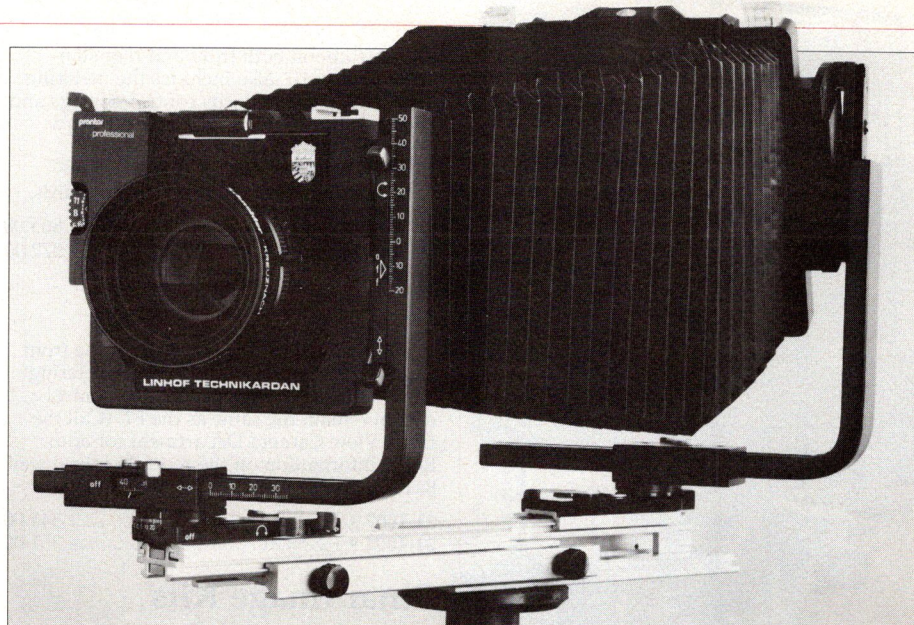
Technikardan

The Technikardan 45 is an engineering masterpiece in the tradition of Linhof precision. The TK folds to 8.5x10x4" on a telescoping monorail. Like the true view camera it is, the TK offers a full range of movements on both standards. For full freedom of movement with extremely wide-angle lenses, a bag bellows is available. When fully extended, the extruded 3-section monorail measures 19". Bi-metal construction prevents binding on the rail and all bearer movements. These movements have a dove-tail construction with smooth lever locks. Levels are mounted on the top and sides of the standards. The Technikardan 45 includes a ground glass international (Graflock-type) back, lensboard and depth of field reference scale.

- 000085 • Technikardan 4x5 2,695.00

Techikardan Accessories

- 001013 • Flat lensboard f/56-600mm 69.00
- 001093 • Recessed lensboard (includes angle nipple) 185.00
- 022053 • Right angle release adapter 29.00
- 002723 • TK45 wide angle bellows 189.00
- 001931 • Compendium lens shade/filter holder 315.00
- 002628 • Right angle reflex attachment 450.00
- 001619 • Focusing hood w/magnifier 265.00
- 052522 • Super screen: 3-stops brighter than standard ground glass (requires #052523) 69.00
- 052523 • Overlay w/centimeter grid and roll film format scoring for super screen 21.00
- 001932 • Vignetting mask holder 78.00
- 001933 • Rotatable filter holder for M95x1 screw-in filters and 4x4 gelatin filters 195.00
- 002013 • Gelatin filter holders, set of 3 15.00
- 003854 • Quick fix tripod quick release 93.00



- 022474 • Aluminum briefcase for TK with adjustable partitions 335.00

New! Kardan GT

New base tilt components allow the 4x5" GT and 8x10" GT standards to remain vertical while the monorail is inclined. While adding this feature, the GT retains a "U" shaped standard design allowing swings and tilts along the optical axis. For extreme stability and lighter weight, the 2-section telescoping monorail is of an extruded aluminum design. When closed, the 4x5 standard rail configuration measures 15" and extends to 20" for full use of the standard 18" bellows (straight). The central rail section may be replaced with longer sections (optional) if a second bellows is required for extreme telephoto or close-up photography. Both GT's feature reference scale for depth of field calculation. One flat lens board is included with camera.

- 000087 • Kardan GT 4x5 1,695.00
- 000089 • Kardan GT 8x10 4,095.00

New! Kardan GTL

For more sophisticated operation, the base tilt GTL has heavy-duty L standards for maximum stability in any format with direct or indirect correction. Geared rise, fall, and shift controls deliver the most precise adjustments. The 4x5 Master GTL has an 18-25" telescoping rail and the 8x10 Master GTL has a 20-31" telescoping rail. Like the GT, the GTL extruded aluminum rail maintains camera stability with minimum weight. Longer center sections are available as an option. A depth-of-field calculator mounted on the rear standard speeds operation on both cameras.

- 000090 • Kardan GTL 4x5 4,995.00
- 000092 • Kardan GTL 8x10 7,250.00

GT/GTL Accessories

- 001080 • Flat lensboard 79.00
- 001089 • Recessed lensboard 82.00
- 002584 • Wide angle bellows f/4x5 393.00
- 002619 • Wide angle bellows f/8x10 621.00
- 002628 • Reflex attachment f/4x5 491.00

Call the View Camera Department for Linhof cameras and accessories not listed here.

Deardorff 8x10

Aesthetically the Deardorff is a hand-crafted masterpiece in mahogany and stainless steel. But it is not only attractive, the Deardorff is a rugged camera with the ability to take the abuse inherent in the multi-shooter studio.

Functionally, the Deardorff combines the movement of a studio camera with the compact characteristics of the field camera. The operational design includes independent focusing racks with triple control. This rack design allows the rear standard moves completely forward on the bed for focusing a 90mm lens, yet still permits the tapered bellows to extend out to 30".

This camera is a proven performer with over 50 years as the standard of commercial studios. Built in the U.S.A. Call

Lens Boards

6x6 f/8x10 and 11x14 42.00

Reversible Backs

8x10 reversible back 440.00
8x10 to 4x5 standard 378.00
8x10 to 4x5 Grafflock back 440.00

Revolving Backs

8x10 to 4x5 standard 535.00
8x10 to 4x5 Grafflock back 595.00

Sliding Carriage Back

8x10 to 8x10 680.00

Ground Glass

4x5 cut corners, plain 13.00
4x5 cut corners, lined 20.00
4x5 square corners, plain 19.00
4x5 square corners, lined 26.00
8x10 cut corners, plain 25.00
8x10 cut corners, lined 33.00
8x10 square coners, plain 31.00
8x10 square coners, lined 39.00
EZ View Bellows Factor Kit 15.00

Cambo SCIIRS/45NX

This view camera features a revolving back for uncomplicated switching from vertical to horizontal formats. Large focusing and movement control knobs provide smooth and easy operation. Front and back standards tilt 60° with unlimited swing capability. Reversible front and rear standards are incorporated into a click-stop detent system. This model has 19.68" maximum bellows extension with a standard bellows. It is designed to be lightweight because of die-cast aluminum construction (8 lb., 15 oz.). Accepts optional interchangeable bellows and monorail extensions.

CC4005 • SCIIRS/45NX 499.00

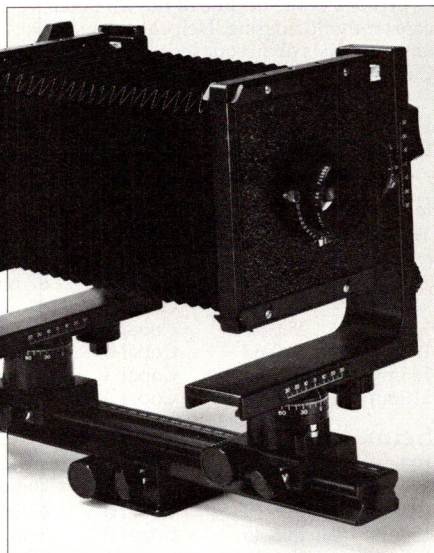
Cambo SCIIRS Accessories

CB0508 • Flat lens board 29.00
CB1508 • Recessed lens board 34.00
CB0208 • 4x5 Wide angle bellows, leather 249.00
CB0209 • Wide angle bellows, imitation leather 159.00
CB0220 • Reflex viewer 180.00
CB0221 • In-line viewer 119.00
CB0214 • 4x5 Ruled ground glass 19.00
CB0218 • Fresnel lens 44.00
CC4525 • 4x5 Camera case 149.00
CB0502 • Combendium filter holder 189.00
CB1010 • Dual spirit level 17.00

Call the View Camera Department for prices on accessories not listed here.

Cambo 8x10 SCIV/810N

This camera offers the same features as the 4x5, but with a longer bellows and extendable rail. The bellows measures 27-3/4" maximum extension. Unlimited swing capability. 19 lb. 5 oz. 1495.00



Horseman 450

This optical bench camera is designed to give a maximum in flexibility and stability. It accepts film formats up to 4x5" with an interchangeable film back. Its rack-and-pinion drive system on provides smooth and accurate focusing on a 400mm rail. The standard bellows allows extension from 80-390mm and it may be replaced with an optional wide-angle bellows. The Horseman's L-shaped standard design and 90° swing allow it to be stored with the standards in line with the rail to pack in a flat case. Rugged, yet light die-cast aluminum construction. Features a built-in spirit level.

HR4500 • Horseman 450 1,595.00

New! Horseman 450EMB

Now, this modular camera offers a second model with the same features as the standard 450, but the EMB rail is a unique three section design that expands and contracts as you need it. Plus, the bellows is longer, allowing a range from 80-600mm lenses to be focused. Plus, the EMB includes a fresnel lens and a depth of field scale for full-depth of field calculation of aperture.

HR4507 • Horseman 450EMB 1,895.00

Front Accessories

HR4640 • Lens shade w/filter drawer . 319.00
HR4695 • Blank lens board 29.00
HR4696 • Adapter f/Linhof lens board 159.00
HR4697 • Adapter f/Horseman tech lens board 159.00
HR4698 • Adapter /Calumet board 149.00

Rear Accessories

HR4609 • Focusing hood 4x5 89.00
HR4612 • 4x5 ground glass 39.00
HR4615 • Aerial image ground glass ... 139.00
HR4616 • 4x5 fresnel lens kit 49.00
HR4610 • Reflex viewing hood 369.00

Toyo

The Toyo family of large format equipment offers photographers a versatile full line system of cameras. The Toyo line of monorail view cameras range from a base 4x5 model (45D) with fixed bellows, to an 8x10 system (810G) with interchangeable bellows, backs, extension rails and intermediate standards. Toyo also offers an 8x10 field camera (810M) that features all metal construction, interchangeable bellows, reducing back and folds to the same size as the 8x10 Deardorff.

All Toyo camera include one standard lensboard.

180-102 • Toyo view 45D

The basic full view camera with fixed bellows, revolving back, tripod block, lined 4x5 ground glass and flat lens

board 325.00

180-104 • Toyo view 45C

The basic full view camera with

interchangeable bellows 425.00

180-201 • Toyo view 45G

The full system 4x5 view camera with interchangeable bellows and extension

rails, convertible to 5x7 and 8x10 Call

180-202 • Toyo view 810G

The full system 8x10 view camera Call

180-205 • Toyo field 810M

Interchangeable bellows, 8x10 back

accepts reducing backs Call



Toyo Accessories

180-601 • Standard lensboard 29.00
180-602 • Recessed wide angle lensboard 39.00
180-702 • Standard 4x5 bellows 175.00
180-703 • Wide angle 4x5 bellows 210.00
180-712 • 250mm monorail extension .. 122.00
180-717 • 500mm monorail extension .. 199.00
180-814 • 4x5 lined ground glass 31.00
180-817 • 8x10 ground glass 59.00
180-808 • 4x5 focusing hood 83.00
180-809 • 4x5 magnifying hood 150.00
180-812 • Reflex mirror hood 375.00

Lease it!

Leasing photography equipment can have significant tax advantages when the equipment is used for business. Contact your accountant for specifics appropriate to your situation, then call the Helix Professional Services Department for information on setting up a leasing program tailored to your needs.



Helix Deluxe Pouch

This padded utility pouch is cordura construction inside and out for long lasting use. A full 9x11", it will accommodate 4x5 lenses on lens boards, Polaroid backs, extra flash tubes, lamps, and a variety of other items that need protection. The 2" flap-seal is water resistant. It is great as an organizer for use in larger bags and cases. Available in black only.

Deluxe pouch 19.50

Saunders Cable Releases

These professional quality cable releases are available in 12, 20 and 40" lengths. They come with a quick-release collar lock. For large format photographers, the 22" cable release features an adjustable stroke to prevent shutter puncture.

350-112 • 12" cable release 7.25
 350-120 • 20" cable release 8.00
 350-140 • 40" cable release 9.25
 350-022 • 22" cable release w/adjustable stroke 15.25

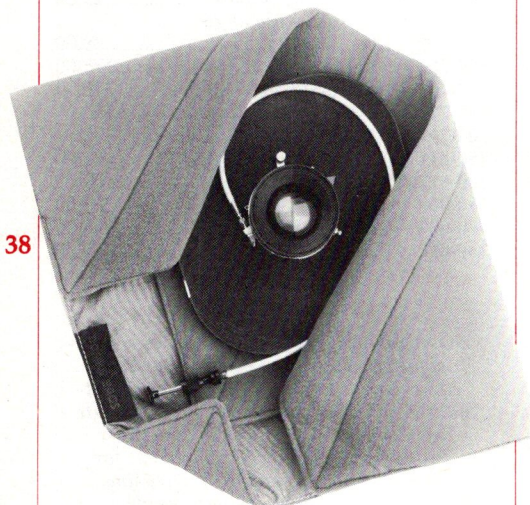
Coast Air Release

B46 • 20 foot black plastic air release with storage spool 9.99

Domke Lens Wrap

Put the wrap on important gear with these versatile padded wraps. Available in two sizes, they conform to a variety of gear for padding in undivided cases. Velcro fasteners on all four corners ensure trim protection, no matter what the shape of the item. The large size easily wraps a camera with a motor drive, or a view camera lens with board. The smaller size protects small flashes, meters or 35mm and medium format lenses.

F-34R • Lens wrap, 11x11" 9.50
 F-34L • Lens wrap, 19x19" 12.00



Achieving the best possible overall focus is a matter of delicate balance. Traditionally, large format photographers have relied on their smallest apertures to produce the sharpest focus. While this technique has historical merit because of the type of aberrations common in older lenses, with today's new designs and manufacturing processes, this advantage in using the smallest aperture no longer exists. In fact, overall image sharpness deteriorates at smaller apertures because of defraction off the aperture blades. The angle of defraction increases with smaller apertures, resulting in an increased loss of sharpness. With most contemporary lenses, sharpness is maximized in the middle of the aperture range.

Because of the decline of the US dollar versus foreign currency, the prices of lenses are constantly fluctuating. Helix always tries to sell equipment at competitive prices; if you have any questions about our lens pricing, please call the View Camera Department at 312/421-6000. Call for prices on lenses in Prontor professional shutters.

Focal length	Aperture range	Shutter Shutter	Front thread	Angle of coverage	Image circle	Max. film size	Helix price
Schneider Super Angulon Series							
47mm	f5.6-32	Copal 0	49mm	105°	123mm	2.25x3.25"	599.00
65mm	f5.6-45	Copal 0	67mm	105°	170mm	4x5"	799.00
75mm	f5.6-45	Copal 0	67mm	105°	198mm	4x5"	889.00
90mm	f5.6-45	Copal 0	82mm	105°	235mm	5x7"	989.00
90mm	f8.0-45	Copal 0	67mm	100°	216mm	5x7"	Call
120mm	f8.0-64	Copal 0	82mm	100°	288mm	5x7"	939.00
165mm	f8.0-64	Copal 3	105mm	100°	395mm	10x12"	2299.00
210mm	f8.0-90	Copal 3	127mm	100°	500mm	11x14"	3799.00

Schneider Symmar S Series

100mm	f5.6-45	Copal 0	40.5mm	70°	143mm	2.25x3.25"	369.00
120mm	f5.6-45	Copal 0	49mm	70°	173mm	4x5"	429.00
135mm	f5.6-45	Copal 0	49mm	70°	190mm	4x5"	Call
150mm	f5.6-45	Copal 0	58mm	70°	210mm	4x5"	Call
180mm	f5.6-45	Copal 1	67mm	70°	252mm	5x7"	Call
210mm	f5.6-45	Copal 1	77mm	70°	294mm	5x7"	Call
240mm	f5.6-45	Copal 3	86mm	70°	337mm	8x10"	999.00
300mm	f5.6-64	Copal 3	105mm	70°	411mm	8x10"	1339.00
360mm	f6.8-64	Copal 3	120mm	70°	491mm	10x12"	1559.00
480mm	f8.4-64	Copal 3	105mm	70°	500mm	10x12"	2189.00

New! Schnieder Super Symmar High Modulation Series

150mm	f5.6-45	Copal 1	77mm	80°	245mm	5x7"	1189.00
210mm	f5.6-45	Copal 3	100mm	80°	356mm	8x10"	1889.00

Schnieder G-Claron Series

150mm	f9.0-64	Copal 0	35.5mm	64°	385mm	8x10"	312.00
210mm	f9.0-64	Copal 1	49mm	64°	520mm	11x14"	409.00
240mm	f9.0-64	Copal 1	52mm	64°	598mm	14x17"	449.00
270mm	f9.0-64	Copal 1	58mm	64°	669mm	16x20"	595.00
305mm	f9.0-64	Copal 1	67mm	64°	763mm	16x20"	622.00
355mm	f9.0-64	Copal 1	77mm	64°	887mm	20x24"	932.00

Rodenstock Grandagon W.A. Series

65mm	f4.5-45	Copal 0	67mm	105°	170mm	4x5"	769.00
75mm	f4.5-45	Copal 0	67mm	105°	195mm	4x5"	879.00
75mm	f6.8-45	Copal 0	58mm	100°	187mm	4x5"	579.00
90mm	f4.5-45	Copal 1	82mm	105°	236mm	5x7"	959.00
90mm	f6.8-45	Copal 0	67mm	100°	221mm	5x7"	Call
115mm	f6.8-45	Copal 1	82mm	102°	291mm	8x10"	899.00
155mm	f6.8-45	Copal 1	105mm	100°	382mm	8x10"	1499.00
200mm	f6.8-64	Copal 3	135mm	100°	495mm	10x12"	3199.00

Rodenstock Sironar-N Series

100mm	f5.6-45	Copal 0	40.5mm	70°	151mm	2.5x3.5"	359.00
135mm	f5.6-64	Copal 0	40.5mm	70°	200mm	4x5"	Call
150mm	f5.6-64	Copal 0	49mm	70°	214mm	4x5"	Call
180mm	f5.6-64	Copal 1	58mm	70°	262mm	5x7"	Call
210mm	f5.6-64	Copal 1	67mm	70°	301mm	5x7"	Call
240mm	f5.6-64	Copal 3	77mm	70°	350mm	8x10"	959.00
300mm	f5.6-64	Copal 3	86mm	70°	425mm	10x12"	999.00
360mm	f6.8-64	Copal 3	105mm	70°	435mm	10x12"	1199.00
480mm	f8.4-90	Copal 3	112mm	70°	500mm	11x14"	1999.00

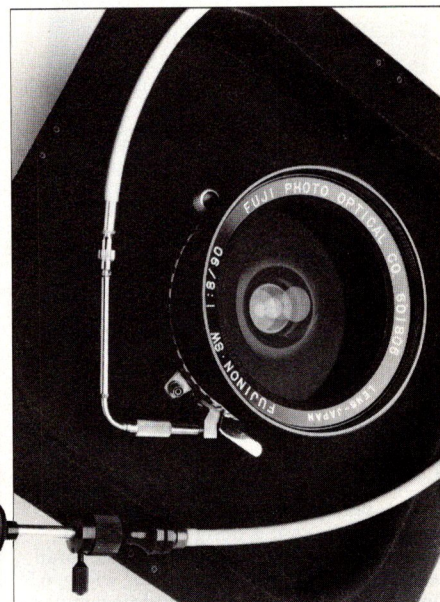
Rodenstock APO Ronar Series

150mm	f9.0-64	Copal 0	40.5mm	46°	135mm	6x9cm	449.00
240mm	f9.0-90	Copal 1	49mm	46°	212mm	4x5"	569.00
300mm	f9.0-90	Copal 1	49mm	46°	264mm	5x7"	659.00
360mm	f9.0-90	Copal 3	58mm	46°	318mm	5x7"	879.00
420mm	f9.0-90	Copal 3	58mm	40°	323mm	5x7"	979.00
480mm	f9.0-90	Copal 3	67mm	44°	396mm	8x10"	999.00

Rodenstock Geronar Series

90mm	f8.0-32	Copal 1	58mm	85°	170mm	4x5"	419.00
150mm	f6.3-64	Copal 0	40.5mm	60°	180mm	4x5"	249.00
210mm	f6.8-64	Copal 1	49mm	60°	230mm	5x7"	339.00
300mm	f9.0-64	Copal 1	58mm	60°	340mm	8x10"	459.00

Focal length	Aperture range	Shutter	Front thread	Angle of coverage	Image circle	Max. film size	Helix price
Rodenstock Macro-Sironar Series							
210mm	f5.6-64	Copal 3	67mm	64°	525mm	8x10"	1175.00
300mm	f5.6-64	Copal 3	77mm	50°	550mm	8x10"	2230.00
Rodenstock Imagon Variable Diffusion Lens Series							
200mm	f5.8	Copal 3	62mm	40°	150mm	4x5"	749.00
250mm	f5.8	Copal 3	62mm	40°	180mm	4x5"	779.00
300mm	f6.8	Copal 3	62mm	40°	220mm	5x7"	859.00
Nikkor SW Series							
65mm	f4.0-45	Copal 0	67mm	105°	170mm	4x5"	750.00
75mm	f4.5-45	Copal 0	67mm	105°	200mm	4x5"	799.00
90mm	f8.0-64	Copal 0	67mm	105°	235mm	5x7"	559.00
90mm	f4.5-64	Copal 0	82mm	105°	235mm	5x7"	869.00
120mm	f8.0-64	Copal 0	77mm	105°	312mm	8x10"	759.00
150mm	f8.0-64	Copal 1	95mm	105°	400mm	10x12"	1429.00
Nikkor W Series							
105mm	f5.6-45	Copal 0	52mm	70°	155mm	4x5"	345.00
135mm	f5.6-64	Copal 0	52mm	70°	200mm	4x5"	375.00
150mm	f5.6-64	Copal 0	52mm	70°	210mm	5x7"	375.00
180mm	f5.6-64	Copal 1	67mm	70°	253mm	5x7"	419.00
210mm	f5.6-64	Copal 1	67mm	70°	295mm	5x7"	449.00
240mm	f5.6-64	Copal 3	82mm	70°	336mm	8x10"	779.00
300mm	f5.6-64	Copal 3	95mm	70°	420mm	10x12"	1029.00
360mm	f6.5-64	Copal 3	95mm	70°	494mm	11x14"	1139.00
Nikkor M Series							
105mm	f3.5-45	Copal 0	40.5mm	50-55°	110mm	6x9cm	325.00
200mm	f8.0-64	Copal 1	52mm	50-55°	210mm	5x7"	395.00
300mm	f9.0-128	Copal 1	52mm	50-55°	325mm	8x10"	459.00
450mm	f9.0-128	Copal 3	67mm	50-55°	440mm	10x12"	779.00
Nikkor Apo-Macro ED Series							
120mm	f5.6-45	Copal 0	52mm	55°	250mm	4x5" @ 1:1	699.00
210mm	f5.6	Copal 1	67mm	51°	400mm	4x5"	1299.00
Nikkor T-ED Series							
270mm	f6.3-64	Copal 1	67mm	33°	170mm	4x5"	979.00
360mm	f8.0-64	Copal 1	67mm	33°	210mm	5x7"	1250.00
500mm	f11-64	Copal 1	67mm	33°	210mm	5x7"	1279.00
600mm	f9.0-64	Copal 3	95mm	33°	310mm	8x10"	1529.00
800mm	f12-64	Copal 3	95mm	33°	310mm	8x10"	1599.00
Fujinon NSWS Series							
90mm	f8.0-45	Copal 0	67mm	100°	216mm	5x7"	525.00
105mm	f8.0-45	Copal 0	77mm	100°	250mm	5x7"	870.00
125mm	f8.0-45	Copal 0	86mm	100°	290mm	5x7"	910.00
Fujinon NWS Series							
125mm	f5.6-64	Copal 0	55mm	76°	198mm	4.75x6.5"	470.00
135mm	f5.6-64	Copal 0	52mm	76°	206mm	5x7"	390.00
150mm	f5.6-64	Copal 0	55mm	76°	224mm	5x7"	310.00
180mm	f5.6-64	Copal 0	62mm	76°	180mm	6.5x8.5"	493.00
210mm	f5.6-64	Copal 0	67mm	71°	300mm	8x10"	449.00
Fujinon SWDS Series							
65mm	f5.6-45	Copal 0	67mm	105°	169mm	4x5"	899.00
75mm	f5.6-45	Copal 0	67mm	105°	196mm	4x5"	999.00
90mm	f5.6-45	Copal 0	82mm	105°	236mm	5x7"	1010.00
Fujinon WS Series							
250mm	f6.7-64	Copal 1	67mm	80°	400mm	10x12"	850.00
300mm	f5.6-64	Copal 3	77mm	70°	420mm	10x12"	1240.00
360mm	f6.3-90	Copal 3	86mm	68°	485mm	11x14"	1380.00
Fujinon LS Series							
210mm	f5.6-64	Copal 1	49mm	59°	240mm	5x7"	345.00
Fujinon EBC-AS Series							
180mm	f9.0-90	Copal 0	46mm	70°	252mm	6.5x8.5"	599.00
240mm	f9.0-90	Copal 0	52mm	70°	336mm	8x10"	599.00
300mm	f9.0-90	Copal 1	55mm	70°	420mm	10x12"	899.00
360mm	f10-90	Copal 1	58mm	70°	504mm	11x14"	1199.00
Fujinon CS Series							
450mm	f12.5-64	Copal 1	49mm	57°	486mm	11x14"	1085.00
600mm	f11-64	Copal 3	67mm	55°	620mm	14x17"	1750.00



Kaiser "L" Cable Release Adapter

This angled adapter allows a standard cable release to be quickly installed for shooting with recessed lensboards.

6148 • "L" cable release adapter 5.95

Rosco Lens Cleaner

Specially designed for cleaning optical glass without harming multi-coating. 16oz.

Lens cleaner 3.50

Rosco Lens Tissue

Designed to reliably clean your lens without scratching its coating. 4x6", 100 sheets.

Lens tissue 1.50

Toyo Spanner Wrench

A versatile tool to tighten the jam nut retaining ring on all view camera lens boards. Accommodates Copal, Compur and Seiko 0 and 1 shutters. All metal construction.

180-625 • Spanner wrench 8.95

Schneider 4x Loupe



This 4-power flat field loupe is made of the same high quality optical glass that earned Schneider their excellent reputation in view camera and enlarging lenses. It includes removable opaque and transparent skirts so it can be used on the ground glass of your view camera or in viewing contact sheets or transparencies. It is large enough

to cover a 35mm slide and features an adjustable eyepiece.

4x loupe 99.00



Lightware View Camera Case

This lightweight (5.5 lbs.) sturdy 3-compartment case is designed to carry a Sinar F series view camera or any monorail camera that can fit within the 8.5" width, 6.5" length and 13" depth of the middle compartment. The remaining two compartments of the same size can be used to store lenses, film, film holders, meters and other accessories. Outer dimensions are 23.5x10.5x15.5". Case includes padded hand strap. Optional shoulder strap is available.

View camera case 229.00
Padded shoulder strap 18.50

Polaroid Model 405 Pack Film Holder

Designed to fit on spring back or lock back 4x5 cameras. This film holder will not change the film plane or focusing system. Accepts a variety of Polaroid professional 3-1/4 x 4-1/4" films including 611, 612, 665, 667, 668 and 669.

603263 • Polaroid 405 holder 89.00

Polaroid Model 545 Sheet Film Holder

Designed to fit spring back or lock back 4x5 cameras. Does not affect film plane or camera focusing. Accepts Polaroid professional 4x5 films including 51, 52, 54, 55, 57, 58, 59 and new Polaroid E-6 film.

603631 • Polaroid 545 holder 159.00

Polaroid Model 550 Pack Film Holder

Fits on 4x5 cameras. Accepts Polaroid professional 552, 553, 554 and 559 films.

604050 • Polaroid 550 holder 144.00

Cut Film Holders

4x5 10.00
5x7 19.00
8x10 33.00
11x14 175.00

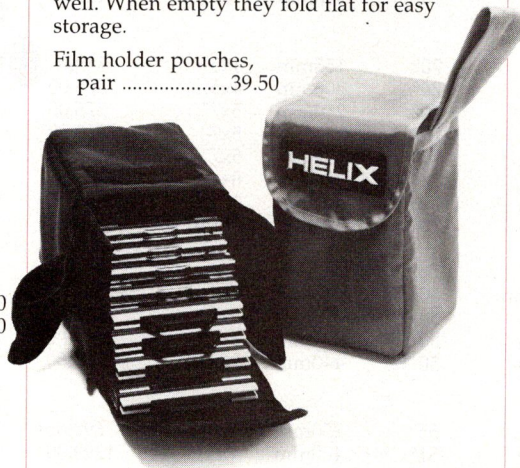
Replacement Dark Slides

4x5 3.60
5x7 7.00
8x10 9.00
11x14 25.00

Helix Film Holder Pouches

These pouches accommodate up to 8 4x5 holders, or fewer holders and a film box. They come in a set of two, one red and one black, so you can differentiate between exposed and unexposed film. A 2" carrying strap is attached; it is very handy for carrying, pulling out of cases, and hanging from tripods and camera stands. This padded sack is additional light tight protection, and accommodates the new longer holders as well as the traditional ones. Part of the seal is a 2" velcro strip that secures the flap and snugs up the inside flaps. This prevents shifting and possible damage to your film holders. These pouches may be used for a variety of other uses as well. When empty they fold flat for easy storage.

Film holder pouches,
pair 39.50



Large Changing Bag

Set up a mini-darkroom anywhere! This 27x30" double-lined bag allows 35mm or 120mm film tank loading, film cassette changes or bulk film loading. Both the rubberized nylon exterior and the inner mesh bag have a double zipper closure for easy entry. Elastic-sealed arm ports keep light out while working.

Large changing bag 15.00

Extra Large Changing Bag

Large zippered bag with elastic openings for light-tight hand insertion. Ideal for loading sheet film holders. 36x43"

Extra large changing bag 39.00

Helix Deluxe Dark Cloth

A full 48x58" for use on all format cameras up to 8x10. White on one side for cool use on hot days and dark navy blue on the inside for clear viewing. Eight hem weights provide neat draping and hold down on windy location days.

Deluxe dark cloth 32.00

Helix 4x5 Velcro Dark Cloth

A black on black 36x36" cloth that is a comfort to use on all 4x5 models. A 3-piece velcro system at the front of this cloth provides for a snug wrap around all 4x5

systems. It gives better light-tight viewing on sunny days.

4x5 velcro dark cloth 24.00

Helix Standard Dark Cloth

A full 42x42" size that folds compact for easy travel. A light weight cloth for comfortable viewing. The corduroy construction grips and does not slip.

Standard dark cloth 24.00

Beattie Intenscreen

A ground glass sheet paired with a sharp fresnel lens to increase viewing brightness 2 to 4 stops. This combination designed to reduce eye strain and alleviate the need for costly test photos. May be used with 90 to 300mm lenses. 1/2" grid (special grid for Sinar).

Intenscreen for Sinar, Calumet, Linhoff, Cambo, Deardorff, Horseman, Toyo and International Standard Graflex (please specify)

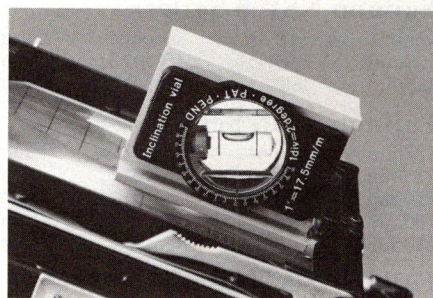
4x5 139.00
5x7 159.00
8x10 169.00

(Plain screens without grid pattern are available on a special order basis).

E-Z View Bellows Factor

A terrifically simple method of calculating a view camera's bellows factor. The 6" double-sided ruler features two helpful scales which may be used for view cameras and extension tubes or copy and stat cameras. The kit is small and efficient, while assuring the photographer of consistently accurate readings.

Bellows factor 9.95



HCL Inclination Vial

Simplify your corrections for product photography with this handy accessory. Set the base of the inclination vial against the plane of your subject. Level the bubble by revolving the spirit level insert. After setting the level by pressing in, you can move the vial to the camera back. With the base of the vial set against the back of your focusing panel, adjust your rear tilt until the bubble is level. This can be repeated at the lens board to insure that all three planes are parallel.

Inclination vial 49.00

HCL Level

This precise clear level works in two directions and is free of any obstructing trim.

Level 14.95

Fatif Special Studio Stands

Available in three heights up to 9', Fatif Special Studio Stands simplify studio shooting with rock-solid support.

A 2-position foot pedal lowers 3 sets of casters to lift the base from the floor for stand repositioning. These double casters ensure smooth movement across the floor. Even with the stand in position, the geared horizontal 40" arm offers effortless lateral movement to precisely position the camera. Vertical travel of the arm is controlled by a friction brake and internal counterweight. You can adjust the amount of drag on both vertical and horizontal travel of the arm with a simple turn of a screw. Two optional pan/tilt heads are available. A swing-away accessory holder is included.

- 383 • Special stand, 6' 1565.00
- 384 • Special stand, 8' 1599.00
- 384/9 • Special stand, 9' 1685.00

Special Offer!

Buy a Fatif Special 8' or 9' studio stand before August 31, 1988 and receive a free 1-way camera platform. Quantities are limited.

Special Studio Accessories

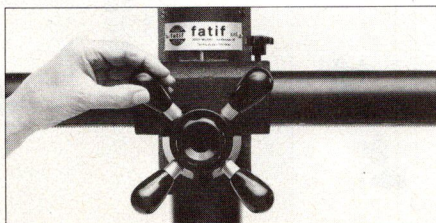
- 384A • 3-way camera platform 359.00
- 384D • 1-way camera platform 185.00

Fatif Giant Studio Stands

This 10' stand includes the same features and more as the smaller Special. The Giant has a more massive base and column for heavy 8x10 or larger format cameras. Additional features include a

rotating column with lock. Standard arm measures 36" and an optional telescoping arm is available to extend the arm length an additional 30". An optional motor drive unit is also available for the Giant. It accepts the same camera heads as the Special stands.

- 385 • Giant studio stand 3500.00
- 386 • Giant studio stand with telescoping arm 3999.00
- 387 • Motor for Giant 1159.00



Arkay Monostand Senior II

The shooter wanting a basic camera support with reliable operation will appreciate Arkay stands. A Y-shaped cast iron base with locking wheels and internal counterweight offers support for medium and large-format shooting. The 22" side arm rotates about the column through 360 degrees. A vertical post (1-7/8") is provided to mount the camera platform. Vertical travel is friction controlled by a threaded lever. The casters with toe-touch double locks are 4" in diameter with wheel bearings for smooth travel on studio floors. To mount your camera, we recommend Majestic 1900-series gear heads. Arkay senior stands are available in 4 sizes from 6-10 feet in height.

- 6MSII • 6' Mono stand, 140 lbs 605.00
- 8MSII • 8' Mono stand, 145 lbs 635.00
- 10MSII • 10' Mono stand, 147 lbs 650.00
- 12MSII • 12' Mono stand, 165 lbs 685.00

Senior II Stand Accessorie

- FHT-1 • Film and accessory tray 37.00
- CB-5 • Additional 5lb. counterweight ... 22.00

Arkay Monostand Twin

This series of monostands from Arkay offers the same rugged construction as the Senior stands with the added feature of a 36" horizontal sliding arm which provides 28" of movement. Built stronger and heavier to provide stable support for 8x10 or larger format cameras. Optional accessory tray is available.

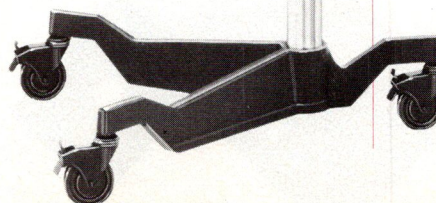
- 6MST • 6' Monostand Twin, 189lbs 899.00
- 8MST • 8' Monostand Twin, 191lbs 925.00
- 10MST • 10' Monostand Twin, 193lbs 965.00
- 12MST • 12' Monostand Twin, 196lbs 1099.00

Monostand Twin Accessories

- MST-AT • Accessory tray 50.00
- CB-5 • Additional 5lb. counterweight 22.00

Majestic 1900 Series Gear Heads

This gear driven tilt head fits Arkay Monostands and Davis and Sanford tripods that use 1-7/8" mounting posts. Forward tilt is gear-driven with a conveniently located crank handle. Lateral tilt and pan is controlled by separate friction locks. 3/8" camera thread included.



- 1901 • Gear head w/6x7" platform 140.00
- 1903 • Gear head w/6x4.5" platform 140.00
- 1905 • Gear head w/3x3-5/8" platform 140.00
- 1907 • Gear head w/4.5" round platform 140.00

Bogen Super Salon Stands

These top-of-the-line stands offer stable support and features that are ideal for the large-format shooter. The 8 and 10 foot chrome steel columns are 85mm in diameter and include internal counterweighting to provide easy movement of the camera. Bogen has added a new 10' all black model. The T-shaped base permits the stand to be positioned close to shooting tables or with longer shots the stand may be reversed to allow the user complete freedom of movement. Base spread is 37.5". Wheels can be locked and unlocked with one step on a single pedal control. The support arm measures 32" and travels laterally 23" with precise rack and pinion drive. An accessory tray is mounted on the central arm support. The camera platform may be tilted to any position up to 360° around the arm.

- 0840 • Super Salon 260, 8' stand (202 lbs.) 899.00
- 0850 • Super Salon 300, 10' stand (230 lbs.) 1050.00
- New!** 0860 • Super Salon 320 black, 10' stand (230lbs) 1125.00

Super Salon Accessories

- 0853 • Additional 4 lb. counterweight 16.00
- 0855 • Accessory geared side arm 74.00
- 0854 • Adapter for 0855 16.00
- 0842 • Additional camera support platform 75.00

Bogen Salon Stands

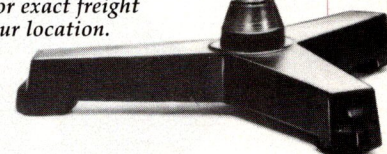
These stands are lighter in construction but have similar features to the Super Salon stands. They are available in 6 and 8' heights and feature a sliding 32" crossarm with 15.5" of travel. Base spread is 33" and features the same single pedal lock control on wheels.

- 0820 • Salon 200, 6' Stand (153 lbs.) 709.00
- 0830 • Salon 260, 8' Stand (157 lbs.) 772.00

Salon Stand Accessories

- 0833 • Additional 4 lb. counterweight 25.00
- 0842 • Additional camera support platform 75.00

All of the stands offered on this page must be shipped by truck. Freight charges are not included in prices. Contact the view camera department for exact freight charges to your location.



Gitzo Tripods

Noted for excellent engineering and handling, Gitzo offers one of the most extensive selections of sizes and styles. Tempered light metals are combined to provide sturdy, but lightweight construction without binding. Tripod and monopod bases feature tubular-shaped anodized upper legs and anti-corrosion extensions. Gitzo's threaded extension locks provide longer wear than other types of locks and they included rubber grips for comfortable use. The larger stands feature winged locks for greater leverage with heavy cameras. Most parts are user replaceable through Helix or Karl Hertz, the U. S. distributor. Gitzo products offer a 5-year warranty.

(R) **Gitzo Rapid Tripods** – Tripods include the manually adjusted reversible center column.

(C) **Gitzo Cremaillere Tripods** – Tripods include a gear driven center column. Heads may be attached to either end of the column.

Height ranges listed are with rapid columns. Cremaillere columns are 4" shorter.

Catalog Number & Model	Number of sections	Height range	Folded length	Use with	Weight	Price R C	
201 • Gitzo Reporter	3	17-59"	20"	35mm, light medium format	4 lbs.	\$160.00	
224 • Reporter Industry Performance	3	0-81"	20"	35mm, light medium format	5 lbs.	\$229.00	
301 • Studex	3	23-72"	25"	motorized 35mm, 35mm w/long lenses & medium format cameras	6 lbs.	\$220.00	
320 • Studex Performance	3	0-88"	27"	up to a light 4x5" cameras	6.75 lbs.	\$280.00	
405 • Super Studex Compact	4	17-61"	19"	up to 5x7" cameras.	7 lbs.	\$320.00	\$490.00
400 • Super Studex Giant	3	27-78"	29"	up to 5x7" cameras.	8 lbs.	\$320.00	\$490.00
403 • Super Studex Giant Luxe	4	28-100"	30"	up to 5x7" cameras.	10 lbs.	\$409.00	\$579.00
410 • Pro Studex Compact	4	0-80"	32"	up to 8x10" cameras	9 lbs.	\$380.00	\$550.00
415 • Pro Studex Giant	3	0-63"	21"	up to 8x10" cameras	7.5 lbs.	\$449.00	\$550.00
413 • Pro Studex Giant Luxe	4	0-102"	32"	up to 8x10" cameras	11 lbs.	\$579.00	\$639.00
505 • Tele-Studex Compact	4	0-76"	24"	up to 11x14" cameras	10 lbs.	\$449.00	\$620.00
500 • Tele-Studex Giant	3	0-81"	32"	up to 11x14" cameras	11 lbs.	\$449.00	\$620.00
504 • Tele-Studex Giant Luxe	5	0-120"	32"	up to 11x14" cameras	13 lbs.	\$579.00	\$749.00

Gitzo Tripod Heads

Catalog Number & Model	Platform Size	Weight	Recommended for use with:	Price
272 • Rational 2B (3-way pan/tilt)	3.2x2.2"	2 lb.	Reporter/Studex (supports 15 lbs.)	\$129.95
372 • Rational 3B (3-way pan/tilt)	3.2x2.2"	2.5 lb.	Studex (supports 20 lbs.)	\$135.00
470 • Rational 4 (3-way pan/tilt)	7x3.75"	4.25 lb.	Super/Pro/Tele Studex (supports 30 lbs.)	\$170.00
570 • Rational 5 (3-way pan/tilt)	7x3.75"	4.25 lb.	Super/Pro/Tele Studex (supports 35 lbs.)	\$170.00
275 • Ball 2 (ball head)	3.25x2.75"	1.25 lb.	Reporter/Studex (supports 15 lbs.)	\$94.95
375 • Ball 3 (ball head)	3x2.75"	1.25 lb.	Studex/Super/Pro/Tele-Studex (supports 25 lbs.)	\$145.00
475 • Ball 4 (ball head)	4x3"	2 lb.	Pro/Tele-Studex (supports 40 lbs.)	\$170.00

Majestic Tripods

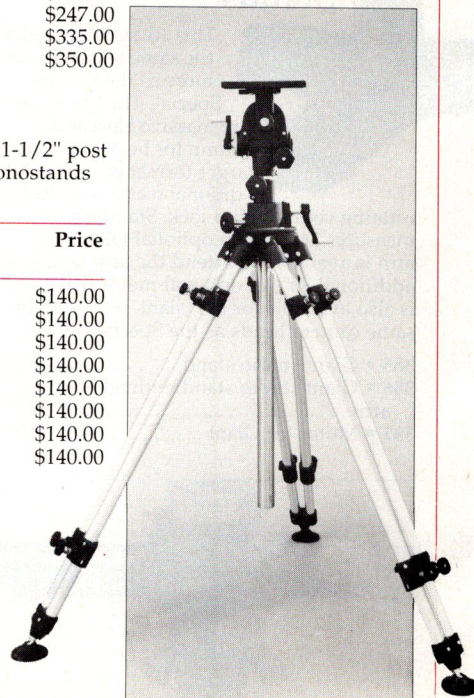
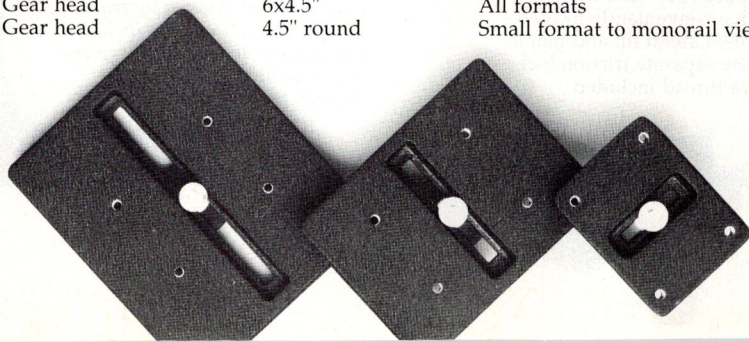
Designed and built by Modern Builders of Chicago, these tripods offer solid support, reliable operation and an affordable price. The central support casting and leg locks are made of a sturdy aluminum alloy with a textured baked enamel finish. Quicklift feature lifts the camera 1-7/8" with each turn. Power lift center columns lift the camera 5/16" with each turn. The camera is held in place by a spring loaded ratchet.

Catalog Number & Model	Number of Sections	Height Range	Weight	For Use With:	Price
2500 • Single leg tripod w/quicklift	2	33-95"	11 lbs.	Any camera up to 30 lbs.	\$199.00
3000 • Single leg tripod w/quicklift	2	34-95"	13.75 lbs.	Any camera up to 30 lbs.	\$247.00
4400 • Twin leg tripod w/quicklift	2	37-97"	14.5 lbs.	Any camera up to 40 lbs.	\$335.00
4800 • Twin leg tripod w/power lift	2	37-97"	17.5 lbs.	Any camera up to 50 lbs.	\$350.00

Majestic Tripod Heads

Majestic Gear heads are available for most camera support equipment. They are designed to fit on a 1-1/2" post but with an 800 adapter will fit any european style tripod. The 1900 series will work on most Arkay monostands. The gear head tilts 90° forward, 30° backward, 20° sideways, 360° panning.

Catalog Number & Model	Platform Size	For Use With:	Price
1200 • Standard gear head	6x7"	Bed camera, 8x10" & 11x14" rail	\$140.00
1400 • Standard gear head	3x3-5/8"	Small format to monorail view cameras	\$140.00
1600 • Standard gear head	3x3-5/8"	All formats	\$140.00
1800 • Round gear head	4-1/2" round	Small format to monorail view cameras	\$140.00
1901 • Gear head	6x7"	Flat bed or long roll cameras	\$140.00
1905 • Gear head	3x3-5/8"	Small format to monorail view cameras	\$140.00
1903 • Gear head	6x4.5"	All formats	\$140.00
1907 • Gear head	4.5" round	Small format to monorail view cameras	\$140.00



Bogen Tripods

In addition to lightweight products, Bogen offers convenience with special features in still, video and cine tripods. Bogen base supports use 3/8" European thread for head mounting and offer a unique locking system to prevent unwanted head rotation when panning. Cast aluminum central joints combined with aluminum tubing add up to a lightweight package. Quick release leg locks permit fast height adjustment at the touch of a lever.

Catalog Number & Model	Number of Sections	Height Range	Folded Length	Weight	Special Features:	Price
3000 • Compact	3	16-60"	24.25"	4.75	Includes 3025 3-D head. Use w/small format cameras. Independently adjustable leg spread. Reversible center column.	\$60.00
3010 • Basic tripod	3	27-72"	29"	5.75	Includes 3025 3-D head. Use with small format cameras. Reversible center column.	\$80.00
3020 • Convertible	3	14-73"	30"	6.75	Includes 3025 3-D head. Use with small or medium format cameras. Independently adjustable leg spread. Reversible center column.	\$95.00
3031 • Dependable	3	31.5-72"	34.25"	10.25	Includes 3047 3-way pan/tilt head. Use with 35mm and medium format. Geared center post. Quick lock leg release.	\$146.00
3035 • Workhorse	3	22-90"	39.5"	12.75	Includes 3047 3-way pan/tilt head. Use with 35mm and medium format. Geared reversible center post.	\$167.00
3040 • Sturdy	2	36.5-75"	37"	11.5	Includes 3047 3-way pan/tilt head. Use with 35mm and medium format. Bi-post upper legs for added stability.	\$149.00
3050 • Automatic	2	22-69"	43"	15.5	Includes 3047 3-way pan/tilt head. Automatic leg extension release. Use with medium or large format. Independent leg spread.	\$207.00
3060 • Super Pro	3	20-112"	46"	21.75	Includes 3057 heavy-duty pan/tilt head. Use with 35mm up to large format. Pneumatically clamped center post.	\$375.00



Schoon Profi Ball Heads

These German-made ball heads are precision manufactured to ensure exact and smooth turning and tilting of any format camera up to 4x5 view cameras. They are ideal for use with 35mm cameras with long focal length lenses and motor drives or medium format cameras. There are two basic models available. The Profi N with fixed camera platform and the Profi S which includes rapid adapter and one quick release camera plate. Both models are available in black and chrome or all-black. The Profi N weighs 2 lbs. 7 ozs and stands 4.5" high. The Profi S weighs 2lbs. 14ozs. and stands 5.25" high. Both models have a diameter of 3.25" and feature easy to handle over-sized lock down knobs.

HCS 501 • Profi N chrome and black with 1/4x20 camera thread	169.50
HCS 530 • Profi N all black with 3/8 camera thread	224.00
HCS 531 • Profi N all black with 1/4-20 camera thread	224.00
HCS 510/512 • Profi S chrome and black with 3/8 camera plate	240.00
HCS 510/513 • Profi S chrome and black with 1/4-20 camera plate	240.00

HCS 540/512 • Profi S all black with 3/8 camera plate	288.00
HCS 540/513 • Profi S all black with 1/4-20 camera plate	288.00
HCS 512 • Camera plate 3/8 for quick release adapter	22.25
HCS 513 • Camera plate 1/4-20 for quick release adapter	22.25

Linhof Heavy Duty Reducing Bushing

Constructed of solid brass, this rugged bushing reduces from 3/8 to 1/4-20 threads. Heavy duty reducing bushing 6.00

Linhof Quick-Fix Tripod Connection

The Quick-Fix is a solid all-metal quick change adapter for instant attachment of cameras up to 27 pounds. 3/8" and 1/4" attachments both top and bottom. Quick-fix tripod connector 93.00

Domke Tripod and Stand Bags

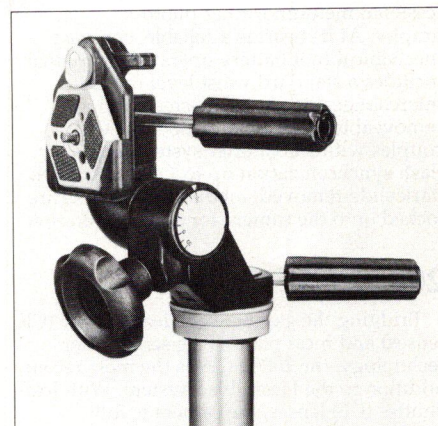
Made of durable canvas, available in black only.

F-400 • Sling bag, 4x42x8"	49.00
F-401 • Super sling bag, 8x38x8"	52.00
F-427 • Tripod case, 27"	33.00
F-432 • Tripod case, 32"	37.00
F-440 • Tripod case, 40"	46.00

Gitzo Accessories

235 • 5" column f/Reporter Perform.	41.95
335 • 5" column for Studex Perform.	47.00
435 • 5" column for Pro & Tele-Studex	51.00
440 • Platform for Pro & Tele-Studex	34.00
536 • Sidearm f/Pro- & Tele-Studex	127.00
540 • Panning support f/536 side arm	42.00

See page 63 for Bogen video tripods and accessories.



Bogen Accessories

3044 • Carrying strap (threaded)	12.95
3056 • Auto dolly f/3030a, 3035, 3040, 3050	110.00
3067 • Cine/Video Deluxe Dolly	188.00
3115 • Ball leveller f/micro/mini fluid heads	34.00
3117 • Twin handle conversion kit f/mini fluid head	17.95
3127 • Dolly f/3010, 3020	68.00
3145 • Video tripod caddy	30.00
3155 • Lightweight tripod spreader	38.00
3027 • Quick release adapter plate	3.45
3041 • 1/4-20 adapter	14.50
3042 • 3/8" European thread adapter	14.50
3048 • Adapter plate w/thumb screw	14.50
3049 • Adapter plate w/thumb screw	14.50
3052 • Extension Leg f/3050	25.00
3059 • Side arm f/all tripods	36.00

Majestic Accessories

8030 • Outrigger fits all tripods	85.00
8040 • Side arm fits all tripods	44.00
8050 • Flat foot w/spike, fits 2500 and 3000, set of 3	30.00
8055 • Anchor spike, fits 2500 and 3000, set of 3	30.00
8060 • Anchor spike, fits 4400 and 4800, set of 3	20.00
800 • Adapter f/3/8" screw	13.00
417 • 3/8" European camera screw	3.75

Hasselblad

The Swedish manufacturer has four models in a modular multi-format system. All four feature interchangeable film backs for 2-1/4x2-1/4", 2-1/4x1-5/8", 1-5/8x1-5/8" (super slide) and Polaroid. The system features two style of lenses: CF (leaf-shutter) and F (non-leaf-shutter, for use on FCW only). Hasselblad optics offer the highest level of contrast and resolution in medium format photography. Choose from these models:



500CM

This basic single lens reflex camera is the front runner in professional medium format photography. At its heart is a reliable, compact mechanical (not battery operated) body that includes a standard waist level finder, interchangeable focusing screen and a removeable rapid wind crank. The CM couples with leaf-shutter system lenses for flash synchronization up to 1/500 sec. With dark slide removed, modular film backs are locked onto the camera for secure operation.

2000 FCW

Bridging the gap between leaf-shutter (CF lenses) and focal plane (F lenses) shutter technology, the 2000 FCW is the most recent addition to the Hasselblad system. With leaf-shutter (CF) lenses, the camera is fully mechanical up to 1/500 sec. For shorter exposure times, the electronically controlled internal focal plane shutter operates up to 1/2000 sec. The larger aperture F lenses utilize the full electronic shutter range of the 2000 FCW. We sell this camera with the 1.4 fps winder accessory.



ELX

For repetitive shooting, the ELX features an integral motor drive and accepts all CF (leaf-shutter) lenses. A TTL flash sensor automatically controls dedicated flash units (Metz). Powered by a rechargeable system, the ELX drive allows the use of 1 or 2 batteries, providing up to 1000 exposure on a full charge. This is the professional's choice for fashion, portraiture and weddings.

SWCM

This camera utilizes a true wide angle lens design in a non-SLR arrangement. The permanently mounted 38mm f4.5 Biogon CF (leaf-shutter) lens delivers distortion free images with a view of 90°. Removeable optical finder sits atop the camera body. The SWCM accepts all film magazines.

Prices are for in-stock items only. Prices will be increasing soon. Limited quantities.



Hasselblad Cameras

500 CM body only (chrome or black)	819.00
500 CM w/80mm f2.8 CF & A12 mag., (chrome or black)	2,025.00
2000 FCW (chrome or black) w/winder	2,225.00
2000 FCW (chrome or black) w/winder, 80mm f2.8 F & A12 mag.	3,175.00
ELX body only, incl. 1 nicad, (chrome or black)	1,295.00
ELX body, incl. 1 nicad, w/80mm f2.8 CF & A12 mag (chrome or black)	2,450.00
SWCM w/viewfinder (chrome or black)	2,500.00
SWCM w/viewfinder & A12 mag., (chrome or black)	2,875.00

Hasselblad Prisms and Magazines

PME meter prism	869.00
PM prism	535.00
RM-2 prism	635.00
A12 magazine (chrome or black)	385.00
A16 magazine (chrome or black)	399.00
A16s magazine (chrome or black)	399.00
A24 magazine (chrome or black)	429.00
A70 magazine (chrome or black)	529.00
Polaroid 100 magazine	279.00

Hasselblad Lenses

40mm f4.0 CF	2,050.00
50mm f4.0 CF	1,245.00
60mm f3.5 CF	1,125.00
80mm f2.8 CF	869.00
100mm f3.5 CF	1,195.00
120mm f4.0 Makro CF	1,359.00
135mm f5.6 Makro CF	1,159.00
150mm f4.0 CF	1,369.00
250mm f5.6 CF	1,449.00
350mm f5.6 CF	2,095.00
500mm f8.0 CF	2,995.00
50mm f2.8 F	1,499.00
80mm f2.8 F	649.00
150mm f2.8 F	1,399.00

Hasselblad Accessories

Pro lens shade 50-70 (mounting ring not included)	179.00
Mounting ring 60 (CF lens series 60)	35.00
Mounting ring 70 (CF lens series 70)	38.00
Open L connector	11.00
Auto bellows extension	799.00
Lens shade f/auto bellows	215.00
Extension tube 8	169.00
Extension tube 16	145.00
Extension tube 32	155.00
Flashgun bracket w/strap for 500 CM, 2000 FCW	185.00
Flashgun bracket w/strap for ELX	179.00
Adjustable flash shoe	39.00

"Over the Lens" extension arm ..	50.00
Pistol grip f/500 CM, 2000 FCW	65.00
Tripod quick coupling II	59.00
Linear mirror unit complete ..	459.00
Wide camera strap	22.00
Contoured shoulder strap	35.00
Nicad battery I for ELX	52.00
Spirit level	33.00

Hasselblad Filters

Series 26 filters f/30mm C & CF lenses: yellow, orange & haze	@55.00
Series 50 filters f/80-250mm C lenses: yellow, red, orange, green & haze ...	@59.00
polarizer	109.00
Softar I, II, & III	@95.00
Series 60 filters f/50-250mm CF lenses: yellow, red, orange, green & haze ...	@69.00
polarizer	129.00
Softar I, II & III	@95.00
Series 63 filter f/50 & 60mm C lenses: yellow, red, orange, green & haze ...	@69.00
polarizer	209.00
multiprism 6	99.00
light balancing filters (set of 6)	250.00
diffusion	54.00
Series 70 filters f/110, 150 & 250mm F lenses: yellow, red, orange, green & haze ...	@89.00
polarizer	215.00
Softar I, II & III	@115.00
Series 93 filters f/40, 350 & 500mm CF, 50mm F lenses: green & haze	@109.00
polarizer	200.00
Series 104 filters f/40mm C lenses: orange, green, haze & CR 1.5	@295.00

All Hasselblad cameras, lenses and magazines sold by Helix are covered by a Helix 1-year limited warranty. An additional 2 years of coverage is available at the time of purchase. They are imported by Helix and do not include an instruction book. All discounts have already been applied; they are not eligible for any further rebates or promotions.

Color Correct in Glass with your CF Lenses

B+W, the premier German filter manufacturer, has supplied us with 60 bay filters in FLD and CC 5Y, 10Y, 10R, 30R, 5M, 10M, 20M and 30M. They are made of Schott optical glass with multi-coating on both sides, and mounted in black anodized brass. Replace your gels for good with glass! Please specify filter when ordering.

B+W 60 bay FLD & CC filters reg. \$150.00 **Special! \$79.00**

Beattie Intenscreen

These screens are 2 to 3 stops brighter than ordinary viewing screens. They provide bright, contrasty viewing even in dim light. Grid markings are available for an additional \$5.00. Specify when ordering.

Intenscreen f/Hasselblad 500CM, ELX, 2000FCW 144.95

Bronica ETR-S

This compact, electronic 6x4.5cm format camera is made for hand-held shooting. With its accessory speed grip or motorized grip, it handles with the speed and ease of operation of a 35mm camera, facilitating both horizontal and vertical shooting. It features interchangeable film backs for 120, 220, 35mm and Polaroid films, leaf shutter lenses for flash sync up to 1/500 sec., interchangeable focusing screens and view finders. Of special note are the magazines for 35mm film. Magazine 135N produces 24x36mm images, and the 135W back yields a 24x54mm wide image.

55010 • ETR-S body & 120 mag. only w/o lens, finder	545.00
55050 • ETR-S w/75 f2.8, 120 back & waist level finder	999.00
60002 • 40mm f4.0	649.00
60003 • 50mm f2.8	569.00
60008 • 55mm f4.5 PCS	3,999.00
60013 • 75mm f2.8	375.00
60020 • 100mm f4.0 macro	679.00
60004 • 150mm f3.5	569.00
60010 • 200mm f4.5	699.00
60005 • 250mm f5.6	749.00
60011 • 500mm f8.0	1,849.00
60007 • 70-140mm f4.5	2,599.00
60006 • 125-250mm f5.6	2,799.00
58010 • Rapid focus lever E (all lenses)	19.95
60012 • 2X teleconverter	449.00
52001 • 120 magazine E	235.00
52002 • 220 magazine E	235.00
50001 • Magazine 135N (req. focusing screen 56006 or 56007)	289.00
50002 • Magazine 135W (req. focusing screen 56006 or 56007)	289.00
51101 • Polaroid back	189.00
57001 • Speed grip	159.00
55001 • Motorized grip	429.00
53002 • Prism finder E	269.00
53004 • Rotary finder E	289.00
53006 • AE II prism finder	549.00
60114 • Pro shade E	155.00
Ring f/pro shade (specify 49, 52, 58 or 63mm)	23.00
56006 • E-135 micro/split image screen	34.00
56007 • E-135 matte screen	34.00
54003 • Auto extension tube E14	255.00
54004 • Auto extension tube E28	255.00
54005 • Auto extension tube E42	255.00
54006 • Auto bellows	845.00
58029 • Quick release tripod mount	59.00
51102 • Tripod Polaroid back adapter	95.00



Bronica SQ-A

This electronic 6x6cm multi-format system camera has interchangeable film backs for 120, 220, 35mm and Polaroid films. Lenses have leaf shutters which sync up to 1/500 sec. w/flash Extra bright focusing and viewing system with interchangeable viewfinders and focusing screens. With the optional AE prism finder S the SQ-A can operate in aperture priority automatic.

1060 • SQ-A body & 120 mag. only w/o finder and lens	835.00
1080 • SQ-A body, 120 mag., waist level finder & 80mm f2.8 PS	1,449.00



Bronica SQ-AM

This is virtually the same camera as the SQ-A, but with built-in motor drive film advance, enabling this camera to fire at a rate of 1.5 fps.

1091 • SQ-AM body only w/o finder, mag. & lens	899.00
SQ-AM body & 120 mag., waist level finder and 80mm f2.8PS	1,795.00

SQ-A/SQ-AM Accessories

1261 • 40mm f4.0 PS	999.00
1262 • 50mm f3.5 PS	895.00
1263 • 65mm f4.0 PS	795.00
1264 • 80mm f2.8 PS	525.00
1265 • 110mm f4.0 PS	895.00
1267 • 150mm f4.0 PS	895.00
1207 • 250mm f5.6 S	799.00
1269 • 500mm f8.0 Zenzanon PS	4,900.00
1270 • 75-150mm f4.5 S	2,800.00
1271 • 140-280mm f5.6 S	3,200.00
1220 • 2X teleconverter	499.00
1306 • Prism finder S	320.00
1307 • AE prism finder S	599.00
1302 • MF finder S	419.00
1308 • ME prism S finder	489.00
1100 • Magazine 120 S	289.00
1110 • Magazine 220 S	289.00
1119 • Magazine J-120, 6x4.5cm	289.00
1120 • Magazine J-220, 6x4.5cm	289.00
1130 • Magazine 135N/S, 24x36mm (req. screen 1625 or 1626)	329.00
1132 • Magazine 135W/S, 24x54mm (req. screen 1625 or 1626)	329.00
1148 • Polaroid back S	195.00
1602 • Speed grip S (f/SQ-A)	169.00
1410 • Professional bellows lens shade S	169.00
1625 • S-135 micro/split image screen	34.00
1626 • S-135 matte screen	34.00
1510 • Auto extension tube S 18	300.00
1511 • Auto extension tube S 36	325.00
1520 • Auto bellows	815.00
1601 • Rapid focus lever	30.00

Bronica GS-1

This is the smallest and lightest 6x7 reflex camera available. It features multiple format 6x7, 6x6, 6x4.5cm (120, 220) and Polaroid interchangeable backs. It has advanced electronics; all shutter speeds are electronically timed for accuracy and a mechanical speed (1/500) is provided for back-up. For those wanting automatic exposure, the AE prism finder G provides aperture priority center weighted automatic with manual override. The AE rotary finder G is a very innovative device made to facilitate the transition from horizontal to vertical format as well as overhead or low angle shooting. The AE rotary finder G has a built-in automatic aperture priority with manual override spot meter allowing for precise readings of the center of the viewfinder. The Bronica GS-1 lens systems encompasses focal lengths between 50 and 500 and includes 2 high performance teleconverters, a 2x and 1.4x power.

GS-1 body & 120 mag. only w/o finder and lens	1,079.00
GS-1 body, 120 mag., waist level finder & 100mm f3.5	1,675.00
3201 • 50mm f4.5	899.00
3202 • 65mm f4.0	689.00
3203 • 100mm f3.5	509.00
3204 • 150mm f4.0	689.00
3205 • 200mm f4.5	849.00
3206 • 250mm f5.6	949.00
3208 • 500mm f8.0	5,000.00
3220 • 2X teleconverter	499.00
3221 • 1.4X teleconverter	499.00
3302 • Prism finder G	369.00
3303 • AE finder G	649.00
3305 • AE rotary finder G	649.00
Magazine 6x4.5cm (specify 120 or 220)	295.00
Magazine 6x6cm (specify 120 or 220)	295.00
Magazine 6x7cm (specify 120 or 220)	295.00
3180 • Polaroid back	269.00
3601 • Speed grip G	199.00
3410 • Professional bellows lens shade G	189.00
3520 • Automatic bellows	900.00
3510 • Auto extension tube G 18	316.00
3511 • Auto extension tube G 36	336.00



Beattie Intenscreen

These screens are 2 to 3 stops brighter than ordinary viewing screens. They provide bright, contrasty viewing even in dim light. Grid markings are available for an additional \$5.00. Specify when ordering.

Intenscreen f/Bronica SQ	117.95
Intenscreen f/Bronica ETR	134.95



Mamiya M645

This 6x4.5 cm format camera has a focal plane electronic shutter with speeds from 8 to 1/500 sec., flash sync at 1/60, interchangeable viewfinders and focusing screens, and a complete system of viewfinders and lenses. This compact camera is made to be used hand-held and is perfect for location photography. It can use either 120 or 220 film in its film inserts. Multiple exposure capability and depth of field lever provided.

M645 1000S, body only w/ 120 film insert	629.00
M645 1000S w/80mm f2.8, 120 film insert & waist level finder	949.00
M645 1000S w/80mm f2.8, 120 film insert & prism	1,069.00
M645 120 film insert	80.00
M645 220 film insert	80.00
M645 waist level/sports finder S	109.00
M645 PD prism finder S	529.00
M645 AE prism finder	559.00
M645 focusing screens	@44.00
M645 power drive grip	339.00

Mamiya M645 Super

This 6x4.5cm format camera has the same basic features and uses the same lenses as the M645, but also has interchangeable film backs in 6x4.5cm, 35mm and Polaroid formats. With the optional AE finder super, the metering pattern can be changed from spot to averaging mode.

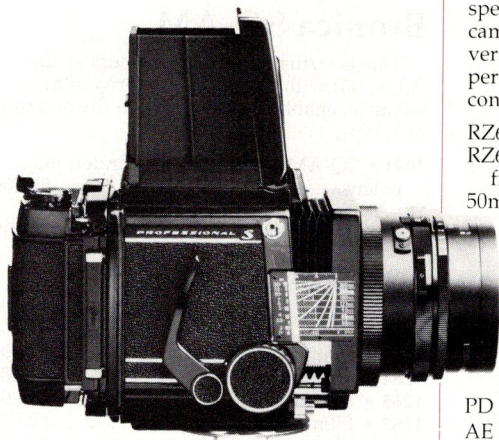


M645 Super body only	649.00
M645 Super w/120 back	830.00
M645 Super w/80mm f2.8, 120 back & waist level finder	1,139.00
M645 Super 80mm f2.8, 120 back & prism finder	1,309.00
M645 Super 120 back	215.00
M645 Super 220 back	215.00
M645 Super 135 back	329.00
M645 Super Polaroid back	245.00

M645 Super waist level finder	109.00
M645 Super prism finder	279.00
M645 Super AE prism finder	579.00
M645 Super focusing screens	@44.00
M645 Super power drive grip	369.00
M645 Super cable release adapter	25.00

M645 & M645 Super Accessories

24mm f4.0 ULD-C fisheye (built-in)	999.00
35mm f3.5C (77ø)	529.00
45mm f2.8S (67ø)	519.00
50mm f4.0 shift (77ø)	719.00
55mm f2.8S (58ø)	405.00
70mm f2.8 leaf shutter, f/flash sync to 1/500 sec. (58ø)	575.00
80mm f2.8C (58ø)	249.00
80mm f1.9C (67ø)	375.00
80mm f4.0C macro (67ø)	599.00
110mm f2.8C (58ø)	409.00
145mm f4.0C soft focus (77ø)	719.00
150mm f3.5C (58ø)	429.00
210mm f4.0C (58ø)	434.00
300mm f5.6C (58ø)	999.00
500mm f5.6C (105ø)	1,400.00
500mm f8.0 reflex	849.00
105-210mm f4.5 zoom ULD (58ø)	1,200.00
Auto bellows w/double cable	650.00
Slide copier f/auto bellows	130.00
Auto extension tube #1	109.00
Auto extension tube #2	119.00
Auto extension tube #3	129.00
Super slide cutter w/mask	79.00
Deluxe grip holder	130.00
Balloon bellows	99.00
Revolving tripod adapter	149.00



Mamiya RB67 Pro S

This venerable all-mechanical work horse of the studio has interchangeable film backs in 6x7cm, 6x4.5cm and Polaroid formats. A built-in rotating adapter with corresponding viewfinder framing allows a quick shift between vertical and horizontal framing. It also features a built-in bellows extension, easy multiple exposure capability, depth of field preview, interchangeable focusing screens and viewfinders. All lenses for the RB67 have a mechanical leaf shutter system for flash sync up to 1/400.

RB67 Pro S w/waist level finder	489.00
RB67 Pro S w/90mm f3.8, waist level finder & 120 back	1,499.00
RB67 Pro S w/127mm f3.8, waist level finder & 120 back	1,489.00
37mm f4.5C	1,500.00
50mm f4.5C (77ø)	1,100.00
65mm f4.5C (77ø)	1,050.00
90mm f3.8C (77ø)	669.00
127mm f3.8C (77ø)	659.00
140mm f4.5C macro (77ø)	999.00

150mm f4.0 soft focus (77ø)	1,049.00
180mm f4.5C (77ø)	899.00
250mm f4.5C (77ø)	1,175.00
360mm f6.3 (77ø)	1,349.00
500mm f8.0 (105ø)	3,100.00
Waistlevel finder RB	129.00
Prism finder RB	429.00
CDS magnifying hood RB	509.00
CDS prism finder RB	739.00
Auto extension tube 1	275.00
Auto extension tube 2	275.00
120 film back RB (6x7)	290.00
220 film back RB (6x7)	290.00
120 film back RB (6x4.5)	270.00
70mm film back RB	769.00
Polaroid back (req. P adapter)	279.00
P adapter f/Polaroid back	80.00
Focusing screens RB	@59.00
Pro S dark slide f/120/220 back	17.00
Pistol grip #2	139.00
Grip holder	85.00
Multi-angle grip	239.00

Special!

120/220 RB roll film drive back and power drive control unit	329.00
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Mamiya RZ67

An electronic version of the RB67, the RZ67 retains the main features of its mechanical counterpart. It can even utilize many of the RB's accessories, including lenses, film magazines and viewfinders. But this ergonomically designed studio camera really comes into its own when used with its specially designed components. This is the camera for the photographer who wants the versatility, convenience and accuracy of performance you can only get from precision controlled electronics.

RZ67 body w/waist level finder	799.00
RZ67 w/110mm f2.8, waistlevel finder & 120 back	1,829.00
50mm f4.5Z (77ø)	999.00
65mm f4.0Z (77ø)	949.00
90mm f3.5Z (77ø)	719.00
110mm f2.8Z (77ø)	780.00
127mm f3.8Z (77ø)	699.00
140mm f4.5Z macro (77ø)	875.00
180mm f4.5Z (77ø)	809.00
250mm f4.5Z (77ø)	975.00
360mm f6.0Z (77ø)	1,400.00
PD prism RZ	669.00
AE prism RZ	759.00
AE magnifying hood RZ	579.00
120 roll film back (6x6)	280.00
220 roll film back Z (6x6)	280.00
120 roll film back Z (6x4.5)	270.00
220 roll film back Z (6x4.5)	270.00
Model 3 Polaroid back RZ	280.00
G adapter f/RB backs on RZ	80.00
Winder RZ	289.00
Auto extension tube RZ #1	275.00
Auto extension tube RZ #2	275.00

Beattie Intenscreen

These screens are 2 to 3 stops brighter than ordinary viewing screens. They provide bright, contrasty viewing even in dim light. Grid markings are available for an additional \$5.00. Specify when ordering.

Intenscreen f/Mamiya RB-67, installs in your screen frame	134.95
Intenscreen f/Mamiya M645	134.95

Call the Medium Format Department for more information on Mamiya cameras and accessories not listed here.



New! Lightware Medium Format Cases

These lightweight, sturdy cases have a rigid inner shell enclosed in foam tricot. A set of modular dividers allows you to custom fit your equipment, and safely pack twice as much as you could with foam cutouts. You have easy access to all your equipment because of the fully-zippered top. The outer ballistic weave material is water and chemical resistant. The cases fit under airline seats.

- 1420 • Medium format case, 22x16x8" ...239.00
1217 • Medium format case, 14x19x8" ..219.00

New! Lightware Small Format Accessory Case

This case is constructed the same as the medium format case, but is smaller, lighter and comes with diced foam adjustable to your equipment. 19x13-1/2x5-1/2".114.95

Halliburton Cases

These attache style aluminum cases have a one-piece prestressed top and bottom shell, so there are no leaky seams or structurally weak corners. They also include a dust and moisture resistant seal and replaceable solid foam interiors. Available in either silver or black finish (specify).

- 100 • 12x9x5"129.00
101 • 16x9x7-3/4"149.00
102 • 18x13x4-1/2"139.00
103 • 18x13x6"149.00
105 • 21x13x6-1/2"179.00
106 • 21x17x7-1/2"199.00
110 • 26x18x9"249.00
111 • 24x18x7"229.00

Domke Camera Bags

These tough bags of durable canvas are the standard of photojournalists' the world over because they are so easy to work out of. Available in sand, brown, black and grey (specify).

- F-1X • Little bit bigger bag, 9x16x9"149.00
F-2 • Original bag, 7x15x9"99.00
F-3X • Compact super bag, 5x11x8"69.00
F-612 • Long lens bag (f/300mm f2.8), black only79.00

Domke Jacket

Stuff your gear in the ample pockets of this handsome and warm photographers' jacket. The rugged yet lightweight jacket is made of water-resistant polyester and cotton. Special features include 9 huge velcro-closure pockets and a tenth zippered pocket.

If these pockets aren't enough, your bag will stay on your shoulder with the help of no-slip shoulder guards. The hood rolls up into the zippered stand-up collar and a cord at the waist helps the jacket conform to your body. Available in smoke only; made in the USA.

- D-4 • Jacket (specify S, M, L or XL)119.00

Bazooby Photo Vest

The Bazooby is an impressive carryall system for your photo gear. Unlike a camera bag, the weight of the equipment can be distributed evenly across your body for maximum comfort. With 22 pockets (6 of them foam lined), all your gear is within easy reach. Made of 35% cotton, 65% polyester for easy care. Available in tan only; imported.

- Photo vest (specify S, M, L or XL)59.00

Andiamo Aerospace Cases

These injection molded cases meet or exceed military and ATA transport specifications for precision equipment. A replaceable silicon gasket helps keep out dust and moisture. Optional heavy duty swivel wheels or a two wheel collapsible dolly may be mounted to the cases for ease in transport. Andiamo cases are the ultimate in light weight protection. Available in grey or charcoal (specify).

- 4628 • Aerospace F28 case, 29-1/4x19-1/2x9"297.50
4621 • Aerospace F21 case, 21-1/2x14-1/2x8"199.00
4650 • Aerocart two wheel dolly89.95
4655 • Heavy duty wheels, set of 444.95

New! Tenba Travelers

Travelers are fashionable, practical bags, designed to serve many needs and uses. They are designed for comfort with leather hand-grips and maximum padded shoulder straps. Tenba's double-top system provides the normal protection of a quick rain top and the additional protection of a securely closing zipper. Travelers are constructed of rugged Protek, an improved smooth cloth developed from bullet proof vest fibers. This smooth fabric is waterproofed to protect your equipment. The bags also feature net film pockets in the inside ctot, padded wood bottoms and padded moveable dividers. All Travelers are guaranteed 5 years against everything except deliberate destruction. Available in black with tan trim only.

- P-454 • Double system Traveler, 12x8-1/2x6-1/2"89.00
P-434 • Compact system Traveler, 10x8-1/2x6-1/2"69.00

New! Tenba Traveler 415

This bag is constructed of the same durable materials as the other Travelers, but



it was designed to be used as a briefcase, travel bag, computer bag, video bag or camera bag! It is spacious and easy to customize, with an expandable main compartment. It features a maximum padded shoulder strap, comfortable leather hand grip, rear zippered pocket, padded front pocket with interior pocket organization, padded dividers and two file folder sleeves. Available in black only.

- P-415 • Traveler, 14x10x4 to 7"99.00

Nikonos Dry Case

This case offers maximum protection for even the most sensitive equipment. Air and watertight with an O-ring seal, it is also waterproof down to 33'. It protects against ozone, salt air, sand and dust. The top and bottom are made from strong and durable engineering grade plastic with full length stainless steel hinge pin; it withstands baggage checking without dents and dings, and can also be carried on board (18x18x5"). The solid foam insert can be customized to fit your equipment. Also includes pressure equalization valve. The case is available in orange and grey.

- Dry case, orange or grey (specify)59.00

Sima Film Shields

Triple laminated lead foil material protects film and transistORIZED equipment against low dose X-ray and fluoroscopic inspection devices commonly used in airport security.

Film Shield Pouch

Holds 22 rolls of 35mm film (maximum ISO 400).8.95

Super Film Shield Pouch

Same as above, but with extra protection for maximum ISO 1600.11.95

Jumbo Film Shield Pouch

Holds 60 rolls of 35mm film (maximum ISO 400).16.95

Mini Film Shield

Holds 4 rolls of 35mm film or a small autofocus camera.5.95

Coast Film Leader Retriever

Ingenious device allows the retrieval of the film leader when it is completely rewound into the cassette.5.99

OP Tech Straps

Revolutionary weight reduction straps are made of soft yet durable neoprene and feature a stretch backing material which reduces shoulder fatigue and provides a more comfortable fit. They are adjustable.

Fashion strap, 1-1/2" wide, black, red or royal blue (specify color)13.95
Pro camera strap, 2" wide, quick release clips, black only17.95

Can't Find It?

There are literally thousands of products we could not list here. If you can't find it in the catalog, give us a call. The odds are good that we'll have it!



Nikon F3HP

This camera features aperture priority automatic exposure with full manual override. It also has interchangeable viewfinders and focusing screens, multiple exposure capacity and depth of field preview lever. The high eye-point viewfinder design allows eyeglass wearers to see the full screen. Off-the-film plane sensor permits TTL operation with dedicated flash units. The shutter is electronically controlled from 1/2000-8 sec. with B and T settings and a 1/80 sync speed.

F3HP, body	759.00
F3HP w/50mm f1.8	834.00
F3HP w/50mm f1.4	994.00

Nikon Screens for F3

Types: A through E, G-1, G-2, G-3, G-4, H-1, H-2, H-3, H-4, J, through M, P, R, S (for use w/MF-17), T (TV format) and U ...@34.00

Nikon FA

The FA offers programmed auto exposure and aperture-priority and shutter-priority automatic with manual override. Focusing screens are interchangeable and the viewfinder display is full information. The shutter speed range extends from 1/4000 to 1 sec. with mechanical speed of 1/250 (sync speed). TTL flash operation is possible with dedicated units. Multiple exposure and depth-of-field preview levers are included. The sophisticated AMP metering system delivers optimum exposure measured across the full screen. A spring loaded switch permits metering to be converted to 60% center-weighted.

FA, chrome body w/case	449.00
FA, chrome w/50mm f1.8 & case	479.00
FA, chrome w/50mm f1.4 & case	609.00

Nikon FM-2

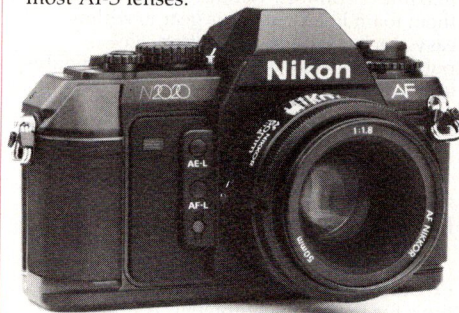
For photography purists who prefer a completely manual 35mm camera, Nikon offers the FM-2. With the exception of the meter, the FM-2 is completely mechanical with a shutter speed range of 1 to 1/4000 sec., plus B. Sync speed is 1/250 sec. It features interchangeable focusing screens, multiple exposure lever, depth-of-field preview lever and self-timer. With Nikon dedicated flash units, an LED indicator lights in the viewfinder when the the flash completes a recycle. Accepts MD-12 motor drive.

FM-2 chrome body only	339.00
FM-2 chrome w/50mm f1.8 AI-S	409.00
FM-2 chrome w/50mm f1.4 AI-S	539.00
FM-2 black body only	359.00
FM-2 black w/50mm f1.8 AI-S	429.00
FM-2 black w/50mm f1.4 AI-S	559.00

Helix has many accessories in stock for the F and F2 cameras. Contact the 35mm Camera Department for information and details.

Nikon N2020

This fully automatic camera features autofocus operation with AF lenses or in focus confirmation with all AIS lenses. Exposure options include 3 programmed modes, aperture-priority automatic operation, as well as manual exposure override. Electronic shutter speed range is 1/2000 to 1 sec, plus B. The built-in motor drive permits single frame or continuous advance up to 1.5 fps. Interchangeable focusing screens and TTL autofocus flash with dedicated units are also available. When used with the TC16 AF 1.6 teleconverter, autofocus operation is possible with most AI-S lenses.



Nikon N2020 AF, body	359.00
Nikon N2020 AF w/50mm f1.8 AF	424.00
Nikon N2020 AF w/50mm f1.4 AF	499.00
CF-35 case f/N2020	36.00
Focusing screen E (grid) f/N2020	18.50

Nikkor Lenses AF/AI-S

24mm f2.8 AF (52ø)	265.00
28mm f2.8 AF (52ø)	159.00
55mm f2.8 AF macro (62ø)	289.00
180mm f2.8 AF (72ø)	545.00
28-85mm f3.5-4.5 AF (62ø)	325.00
35-70mm f3.5-4.5 AF (52ø)	149.00
35-135mm f3.5-4.5 (62ø)	349.00
70-210mm f4.0-5.6 AF (62ø)	219.00
300mm f2.8 AF ED-IF (39ø)	2,800.00
300mm f4.5 AF ED-IF (39ø)	745.00
TC16 A 1.6 teleconverter AF	159.00

Nikkor AI-S Lenses

16mm f2.8 full frame fisheye AI-S	619.00
18mm f3.5 AI-S w/lens hood (72ø)	875.00
20mm f2.8 AI-S (62ø)	429.00
24mm f2.0 AI-S (52ø)	539.00
24mm f2.8 AI-S (52ø)	299.00
28mm f2.0 AI-S (52ø)	469.00
28mm f2.8 AI-S (52ø)	299.00
28mm f3.5 PC w/case (72ø)	845.00
35mm f1.4 AI-S (52ø)	595.00
35mm f2.0 AI-S (52ø)	279.00
35mm f2.8 PC w/case (52ø)	555.00
50mm f1.8 AI-S (52ø)	90.00
50mm f1.4 AI-S (52ø)	249.00
50mm f1.2 AI-S (52ø)	369.00
55mm f2.8 micro AI-S (52ø)	289.00
58mm f1.2 noct AI-S (52ø)	1,189.00
85mm f1.4 AI-S (72ø)	655.00
105mm f1.8 AI-S (62ø)	539.00
105mm f2.5 AI-S (52ø)	279.00
105mm f2.8 micro AI-S (52ø)	499.00
PN-11 extension tube f/1:1 w/105 micro	119.00
120mm f4.0 medical	1,179.00
LD-2 portable battery pack f/medical	149.00
Nikkor LA-2 AC pack f/medical Nikkor	209.00
135mm f2.0 AI-S (72ø)	709.00
135mm f2.8 AI-S (52ø)	279.00
180mm f2.8 AI-S (72ø)	799.00
200mm f2.0 ED-IF AI-S (122ø)	3,340.00
200mm f4.0 AI-S (52ø)	309.00

200mm f4.0 micro IF AI-S (52ø)	639.00
300mm f2.0 ED-IF AI-S	8,950.00
300mm f2.8 ED-IF AI-S	3,295.00
300mm f4.5 ED-IF AI-S	895.00
300mm f4.5 AI-S	495.00
400mm f2.8 ED-IF AI-S	5,425.00
400mm f3.5 ED-IF AI-S	3,595.00
400mm f5.6 ED-IF AI-S	1,695.00
New! 500mm f4.0 P AI-S	3,699.00
500mm f8.0 reflex w/filters & case	589.00
600mm f4.0 ED-IF AI-S	5,795.00
600mm f5.6 ED-IF AI-S	3,795.00
800mm f5.6 ED-IF AI-S	4,825.00
800mm f8.0 ED-IF AI-S	3,725.00
1000mm f11 reflex w/filters & case	1,349.00
1200mm f11 ED-IF AI-S	4,950.00
TC-14A teleconverter	219.00
TC-14B teleconverter	449.00
TC-201 teleconverter	219.00
TC-301 teleconverter	449.00

Nikon Camera Accessories

MD-4 motor drive f/F-3	399.00
MD-12 motor drive f/FM-2	295.00
MF-4 250 exposure back f/F-3	849.00
250 exposure cassette	46.00
ML-1 modulite remote transmitter & receiver	299.00
MS-10 remote release f/MD-12	36.00
MC-12A remote release cord	45.00
MF-18 data back (prints between frames) f/F-3	259.00
DW-3 waist level finder f/F3	97.00
DW-4 6x high mag. finder f/F3	229.00
DA-2 Action finder f/F3	359.00

Nikon Flash

Speedlite SB-16A f/F-3	215.00
Speedlite SB-16B f/FM-2	235.00
Speedlite SB-18 TTL	67.50
Speedlite SB-20 AF f/N series cameras	153.95

Nikon Close-up Equipment

PB-6 bellows unit	265.00
AR-7 double cable release	43.00
BR-2A lens reversing ring	23.00
PK-11A (8mm) extension tube	56.00
PK-12 (14mm) extension tube	58.00
PK-13 (27.5mm) extension tube	60.00

Nikon Filters

Circular polarizer, 52mm	64.00
Circular polarizer, 62mm	89.00
Linear polarizer, 52mm	60.00
L-37-C UV haze, 52mm	21.00
L-37-C UV haze, 62mm	32.00
L-37-C UV haze, 72mm	64.00
L-37-C UV haze, 122mm	195.00
Soft focus #1, 52mm	54.00
Soft focus #2, 52mm	54.00
Soft focus #1, 62mm	78.00
Soft focus #2, 62mm	78.00

All Nikon equipment listed include a one-year Nikon, USA warranty/registration card.

Beattie Intenscreen

These screens are 2 to 3 stops brighter than ordinary viewing screens. They provide bright, contrasty viewing even in dim light. Grid markings are available for an additional \$5.00. Specify when ordering.

Intenscreen f/Nikon F, F2 or F3 (specify)	98.95
Intenscreen f/Nikon FA, FM-2 or FE-2	59.95



Canon New F-1

The F-1 features an electro-mechanical hybrid shutter for mechanical dependability from 1/2000-1/90 second and electronic accuracy from 1/60-8 seconds with titanium-alloy shutter. Durably designed, the F-1 has vibration absorption material and moisture protection with plastic and rubber seals throughout the body. The F-1 may be used in a variety of specialized applications with interchangeable finders and focusing screens. Automatic exposure options include aperture priority auto with AE-FN finder, shutter priority auto with AE-FN motor or winder. Spot metering, partial metering (14%) and averaging metering may be changed via interchangeable focusing screens.

F-1 w/FN finder body only	685.00
F-1 w/FN finder & 50mm f1.8	750.00
F-1 w/FN finder & 50mm f1.4	825.00
F-1 w/AE-FN finder body only	735.00
F-1 w/AE-FN finder & 50mm f1.8	800.00
F-1 w/AE-FN finder & 50mm f1.4	875.00

Canon F-1 Accessories

AE-FN motor drive set	479.00
AE-FN motor drive	345.00
AE power winder FN	289.00
AE finder FN	219.00
Speed finder FN	349.00
Focusing screens f/FN	@89.00

Canon T-90

The T-90 features an attractive design with ergonomic grip and controls. This camera has the all-in-one convenience of a built-in 4.5 fps motor drive with changeover to 2 fps. Meter options include center-weighted averaging, partial metering with AE lock and 2.7° spot metering with 8 step variable highlight and shadow control. Exposure options include manual, variable shift and standard program modes, aperture-priority, shutter-priority, and stopped-down AE. TTL flash operation is possible with the 300TL flash. Electronic shutter speed range is 1/4000-1/250 sec. Large top-mounted LCD full-information display.

T90 black body only	560.00
T90 w/50mm f1.8	625.00
T90 w/50mm f1.4	700.00

Canon FD Lenses

7.5mm f5.6 fisheye (built-in)	649.00
14mm f2.8L	1,639.00
15mm f2.8 (built-in)	599.00
17mm f4.0 (72ø)	449.00
20mm f2.8 (72ø)	389.00
24mm f1.4L (72ø)	1,279.00
24mm f2.8 (52ø)	255.00
24mm f2.0 (52ø)	479.00
28mm f2.0 (52ø)	409.00
28mm f2.8 (52ø)	139.00
35mm f2.0 (52ø)	309.00
35mm f2.8 (52ø)	145.00
35mm f2.8 tilt & shift (58ø)	779.00
50mm f1.4 (52ø)	209.00

50mm f3.5 macro w/FD25 tube (52ø) ...	269.00
50mm f1.2 (52ø)	329.00
50mm f1.2L (52ø)	759.00
85mm f1.8 (52ø)	275.00
85mm f1.2L (72ø)	679.00
100mm f2.0 (52ø)	419.00
100mm f2.8 (52ø)	225.00
100mm f4.0 macro w/FD50 tube (52ø) ..	465.00
135mm f2.0 (72ø)	439.00
135mm f2.8 (52ø)	229.00
200mm f2.8 (72ø)	485.00
200mm f4.0 macro (52ø)	745.00
300mm f2.8L (drop-in)	2,979.00
300mm f4.0 (drop-in)	529.00
400mm f2.8L (drop-in)	5,119.00
400mm f4.5 (drop-in)	1,469.00
28-85mm f4.0 macro (72ø)	399.00
35-70mm f3.5/4.5 macro	149.00
35-105mm f3.5/4.5 macro (58ø)	229.00
80-200mm f4.0 L macro EF (58ø)	499.00
2XA extender f/100mm or longer	205.00
2XB extender f/300mm or shorter	245.00
1.4A extender f/300mm or longer	245.00

Canon Electro Optical System (EOS)

The advanced autofocus 35mm system in the EOS 650 and 620 cameras quickly follows action with an ultrasonic motor. Automatic exposure options include programmed exposure auto, aperture priority auto, shutter priority auto and manual. Selective metering includes six zone evaluative metering, spot metering and AE lock override. TTL operation is possible in total darkness with AF dedicated flashes (300 EZ and 420 EZ only). Built-in 3 fps motor drive with auto rewind. Both EOS cameras feature bright viewfinder with full exposure information and interchangeable focusing screens.

EOS 650

In addition to the above features, the EOS 650 has a flash sync speed of 1/125 second. The 650 incorporates an innovative depth-of-field automatic feature allowing for easy presetting of exact focus depth without manual stop down. Shutter speed range is 1/2000 to 30 sec.

EOS 650, body only	379.00
EOS 650 w/50mm f1.8 EF	439.00

EOS 620

The EOS 620 has a top shutter speed of 1/4000 second and flash sync of 1/250 second. The 620 has multiple exposure capacity and auto bracketing function (3 frames).

EOS 620, body only	499.00
EOS 620, w/50mm f1.8 EF	559.00

EF Lenses

15mm f2.8 (fisheye) EF	649.00
28mm f2.8 EF (52ø)	149.00
50mm f1.8 EF (52ø)	109.00
135mm f2.8 soft focus EF (52ø)	249.00
300mm f2.8L EF (52ø)	3,339.00
2x teleconverter EF f/300mm	
EF L only	295.00
28-70mm f2.5/4.5 EF (52ø)	229.00
35-70mm f3.5/4.5 EF (52ø)	175.00
35-105mm f3.5/4.5 EF (58ø)	269.00
70-210mm f4.0 EF (58ø)	259.00
100-300mm f5.6 EF (58ø)	309.00
100-300mm f5.6 L EF (58ø)	519.00

Canon USA limited warranty/registration included with all products.



Minolta Maxxum 9000

Multi-mode operation includes programmed auto-exposure, aperture priority automatic, shutter priority automatic and full manual. Low-light autofocus is possible with dedicated flash through the TTL flash sensor. The shutter is electromagnetic duraluminum—titanium with a flash sync of 1/250 second and top speed of 1/4000 sec. For professional control of metering, the 9000 offers center weighted averaging, spot measurement with shadow/highlight control and multi-spot metering with optional program Super 90 data back. The body is die-cast metal with electronic depth-of-field indicator, multiple exposure, interchangeable focusing screens and full information viewfinder. Diopter control is built-in. When used with the data receiver DR-1000, the 9000 will automatically receive exposure data and will fire from the Minolta Flashmeter IV.

Maxxum 9000, body only	459.00
Maxxum 9000, w/50mm f1.7 AF	514.00
Maxxum 9000, w/50mm f1.4 AF	584.00
DR-1000 data receiver	219.00
Maxxum 7000 body only	314.00
Maxxum 7000 w/50mm f1.7 AF	369.00
Maxxum 7000 w/50mm f1.4 AF	439.00

Maxxum AF lenses

24mm f2.8 AF (55ø)	265.00
28mm f2.0 AF	399.00
28mm f2.8 AF (49ø)	135.00
35mm f1.4 AF	709.00
35mm f2.0 AF	235.00
50mm f1.4 AF (49ø)	145.00
50mm f1.7 AF (49ø)	75.00
55mm f2.8 macro AF (55ø)	309.00
85mm f1.4 AF	515.00
100mm f2.0 AF	389.00
100mm f2.8 macro AF	509.00
135mm f2.8 AF (55ø)	159.00
200mm f2.8 AF APO	719.00
300mm f2.8 AF APO (114ø)	2,825.00
24-50mm f4.0 AF	295.00
28-85mm f3.5/4.5 AF (55ø)	259.00
35-70mm f4.0 AF (49ø)	144.00
35-105mm f3.5/4.5 AF (55ø)	225.00
70-210mm f4.0 AF (55ø)	229.00
80-200mm f2.8 AF APO	999.00

Maxxum Accessories

MD90 motor f/9000	265.00
NP-90M nicad set f/MD90	
MD90 motor w/BP90M pack	359.00
Winder AW90 f/9000	169.00
Program back 90	179.00
Program back super 90	349.00
2800 AF flash	115.00
4000 AF flash	199.00
1200 AF ring lite	319.00
Focusing screen f/Maxxum 9000	@ 27.00

Minolta USA 2-year body, 5-year lens warranty included with all products.

Call the 35mm Department for Canon and Minolta cameras and accessories.



Contax 100DX Outfit

The 100mm DX is designed for dental, medical, industrial small parts photography and other close-up applications where ringflash is necessary. This outfit includes the 35mm Contax 167MT SLR black body, Contax D7 memo data back, a Yashica 100mm f4.0 macro lens with ringflash, and for a limited time, a FREE Zeiss Planar 50 mm f1.7 (call for details). A carrying case, batteries and convenient foot switch are also included. Magnification is continuously variable from 1:1 to 1:15 with a working range of 14.7cm at 1:1 to 150cm at 1:15. The built-in automatic exposure ring flash includes a modeling lamp.

The 100mm lens is an exceptional, flat field Yashica lens with a built-in xenon discharge electronic ring flash. The built-in modeling lamp provides ambient light for focusing. The camera body is the sophisticated Contax 167MT with an ISO range of 6-6400. The 167MT performs in program, aperture-priority and shutter-priority exposure modes, as well as full manual mode. It also accepts any lens with a Yashica/Contax bayonet mount. The 167MT has a built-in motor and shutter speeds from 16 to 1/4000 sec. with flash sync at 1/125 sec. Other features are battery check, interchangeable focusing screens, auto exposure lock, TTL dedicated flash mode and depth of field preview. The metering system allows the user to switch from center weighted averaging to spot.

The Contax 167MT is teamed with the D7 multi-function Contax data back. In addition to allowing date and time display and print functions, the Contax D7 data back can perform pre-programmed interval shooting without operator adjustment. The D7 can, in addition to date/time information, print a string of 10 characters on the negative. Up to 5 10-character strings can be stored in memory, ready for use as needed. The camera, lens and data back are covered by a 3-year Contax limited warranty.

100DX outfit	1,680.00
Reflector set	50.00
2X magnification lens	69.00

non-removable xenon discharge daylight balanced automatic ring flash for shadowless illumination. The exposure system is fully automatic making this camera ideal for use by people with no photographic knowledge or skills.

Use with ISO 64, 100, 200, 400 or 1000 rated films is recommended. Magnification is continuously variable from 1:1 to 1:10 (working range of 58cm at 1:10 down to 5.9cm at 1:1). A protective hard system case and batteries are included.

The viewfinder is accurate, showing 92% of the picture area; it contains a fine micro-prism/matte focusing screen. The flash incorporates a modeling lamp, activated by a switch on the battery pack, useful for photographing inside the oral cavity or in low ambient light situations. Other accessories like a data back and a 2X magnification lens. Including the battery pack and batteries, the system measures 5x5x5-1/2" and weighs only 5 lbs. 9 oz.

Dental eye	699.00
Data back f/above	192.00
2X magnification lens	109.00



Olympus OM-3

Like the OM-4T, the OM-3 offers center-weighted average metering and Multi-spot metering for up to 8 spot readings with automatic averaging. With the exception of the metering system, the OM-3 operates without batteries with fully mechanical shutter, aperture, advance and focus. Designed to meet professional standards, the camera body is constructed of die-cast aluminum with brass upper and lower panels. Water resistant seals prevent damage from moisture. The shutter has a range from 1/2000-1 sec. plus B with 1/60 sec. flash sync. For eyeglass wearers, the viewfinder features built-in continuous dioptic adjustment from +1 to -3.

OM-3 black body only	529.00
OM-3 w/50mm f1.8	599.00
OM-3 w/50mm f1.4	659.00

Olympus OM-4T

The OM-4T offers incredible exposure control with average and multi-spot metering system that stores up to 9 spot readings and displays them in the viewfinder. Exposure control includes aperture priority automatic and manual. Highlight and shadow bias control operates at the push of a button. With the Olympus F280 flash, the Super FP flash system allows sync from 1 to 1/2000 second. TTL flash sensor is included for use with dedicated flash units.

For continuous operation even when batteries fail, the OM-4T features a mechanical shutter speed of 1/60 sec. Built-in diopter correction allows eyeglass wearers to remove their glasses, and interchangeable focusing screens. An extensive macro lens and ring flash system is available. All ringflash units are fully TTL compatible for off-the-film plane accuracy. Body construction is super strong and lightweight with impact-resistant titanium body.

OM-4T chrome body only	529.95
OM-4T w/50mm f1.8	599.95
OM-4T w/50mm f1.4	659.95

Olympus Lenses

16mm f3.5 fisheye (built-in)	539.00
18mm f3.5 (72ø)	609.00
21mm f2.0 (55ø)	539.00
21mm f3.5 (49ø)	309.00
24mm f2.0 (55ø)	419.00
24mm f2.8 (49ø)	219.00
24mm f3.5 shift (built-in)	869.00
28mm f2.0 (55ø)	419.00
28mm f2.8 (49ø)	129.00
35mm f2.0 (55ø)	229.00
35mm f2.8 shift (49ø)	469.00
40mm f2.0 (49ø)	119.00
50mm f2.0 macro (55ø)	289.00
50mm f1.2 (49ø)	269.00
80mm f4.0 macro (49ø)	339.00
85mm f2.0 (49ø)	239.00
90mm f2.0 macro (55ø)	459.00
100mm f2.0 (55ø)	349.00
135mm f4.5 macro (55ø)	339.00
180mm f2.8 (72ø)	599.00
180mm f2.0 (100ø)	2,559.00
200mm f4.0 (55ø)	229.00
250mm f2.0 (46ø)	3,449.00
300mm f4.5 (72ø)	419.00
350mm f2.8 (46ø)	3,449.00
500mm reflex f8.0 (72ø)	429.00
35-70mm f3.5/4.5 (49ø)	149.00
65-200mm f4.0 (55ø)	229.00

Olympus Accessories

Telescopic extension tube (65-116)	199.00
Auto bellows	215.00
Double cable release	27.00
Slide copier f/auto bellows	119.00
Microscope PM-MT mount	49.00
Varimagini finder	138.00
Record data back 4	137.00
Auto winder 2	138.00
Motor drive 2	339.00
M15V nicad f/motor drive 2	138.00
M15V charger f/M15V nicad	72.00
T-32 flash	159.00
T-20 flash	79.00
F280 flash (super FP)	165.00
T8 ring flash (requires T control)	205.00
T-10 ring flash (requires T control)	169.00
T-28 macro twin flash	155.00
T power control	229.00
Ring cross polarizer f/T10	159.00

Helix is an official Olympus Tech Center specializing in providing sales and rental services for the working professional photographer and medical photography specialists. Please call or write for further details about how we may be of service to you.

Beattie Intenscreen

These screens are 2 to 3 stops brighter than ordinary viewing screens. They provide bright, contrasty viewing even in dim light. Grid markings are available for an additional \$5.00. Specify when ordering.

Intenscreen f/Olympus OM	59.95
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Yashica Dental Eye

This specialized 35mm camera, lens and flash combination is for the medical photographer or illustrator seeking precise, error-free macro photography with magnification ratios from 1:1 to 1:10. The Dental Eye system has a non-removable 55mm f4.0 macro Yashica lens and a built-in automatic exposure electronic ring flash with precise exposure control. The 55mm f4.0 macro lens has an angle of view of 43° and a built-in



Polaroid Model 202 Miniportrait Camera

This is the camera you need for passport or employee identification photography. Constructed of die-cast aluminum, the 202 has adjustable aperture and shutter settings. Two 3-element fixed-focus lenses provide brilliant clarity and resolution. It produces two side-by-side images on one sheet Polaroid pack film (including Polacolor ER type 669 film and Type 665 positive/negative). Film holder is included. Three year limited warranty included.

603089 • Model 202 miniportrait 695.00

Polaroid Model 454 Miniportrait Camera

The 454 produces four identical images simultaneously on instant 4x5" Polaroid sheet films. It has the same construction as the 202, but uses four triple element lenses. Model 545 sheet film holder is required. Three year limited warranty included.

604451 • Model 454 miniportrait 750.00

603631 • Model 545 sheet film holder .. 159.00

Polaroid 242 Die Cutter

Cuts a 2x2" photo for passports. Manually operated.

603070 • 242 Die Cutter 185.00

O+ER Simul-Shot II

Excellent for passports or employee identification, the easy-to-use Simul-Shot system produces two identical shots on color Polaroid 668 or positive/negative 665 film. Features include a built-in Polaroid back, matched 135mm f4.5 lenses, 48" fixed focus, and a bright optical viewfinder.

01-111 • Simul-Shot II 425.00

01-112 • Flash for Simul-Shot II ... 115.00

01-119 • Sync cable 10.50



Fuji GS617

This portable 6x17cm panoramic camera uses 120/220 film for 4/8 exposures each 2-1/4x7". The GS617 has a helicoid focusing Fujinon 105mm f8.0 multi-coated lens with angle of view of 77° and a mechanical leaf shutter with flash sync up to 1/500 second. It has dual side grips, a bubble level, built-in optical viewfinder and a protective lens roll cage. Complete with eveready case.

Fuji GS616 2,695.00

Fuji 645S

This rangefinder 2-1/4x1-5/8", 120/220 roll film camera has a Fujinon W 60mm f4.0 electron beam coated lens with mechanical leaf shutter; syncs flash to 1/500 second. It also has a built-in LED read-out light meter.

Fuji 645S 559.00

Fuji 645W

This 2-1/4x1-5/8", 120/220 roll film camera has a Fujinon 45mm f5.6 EB coated lens with mechanical leaf shutter; syncs flash to 1/500 second. Focusing is by estimate. It has a built-in LED read-out light meter.

Fuji 645W 509.00

Widelux 1500

This wide angle camera uses an ingenious rotating slit shutter turret to produce 2-1/4x5" images on 120/220 film. It has a 50mm f2.8 LUX variable focus lens (3' to infinity).

Widelux 1500 1,995.00



Widelux F7

This wide angle camera uses a rotating slit shutter turret with a 26mm f2.8 LUX fixed focus lens to produce 1x2-1/3" exposures on 35mm film (21 exposures on 36 roll, 11 exposures on 20 roll). It has a built-in bubble level.

Widelux F7 749.00

Art Panorama 240

This portable panoramic 6x24cm camera uses 120 film for 3) 2-1/4x9-3/8" exposures. Ground glass focusing with the 120mm f8.0 Nikkor SW lens (90° diagonal) is possible from 10 feet to infinity. It has a mechanical leaf shutter with flash sync up to 1/500 second.

Art Panorama 240 3,150.00*

Art Panorama 170

This portable 6x17cm panoramic camera uses 120 film for 4) 2-1/4x6-5/8" exposures per roll. Ground glass focusing with the 90mm f4.5 Nikkor SW

lens (90° diagonal) is possible. Its mechanical leaf shutter syncs flash to 1/500 second.

Art Panorama 170 3,195.00*

* *Limited quantities.*

Art Panorama 120

This portable panoramic 6x12cm camera uses 120 film for 6) 2-1/4x4-3/4" exposures per roll. The 75mm f5.6 Mamiya lens (83.5° diagonal) can be estimate focused from 3.3 feet to infinity. It has a mechanical leaf shutter with flash sync up to 1/500 second.

Art Panorama 120 Call

Pentax 6x7

This interchangeable lens 6x7 (2-1/4x2-3/4") SLR camera handles like a 35mm! It has an electromagnetic focal plane shutter with flash sync at 1/30 second, interchangeable viewfinders and mirror up provision. It uses 120/220 film for 10/20 exposures per roll.

6x7 body only 599.00

Prism finder 169.00

TTL prism 309.00

Special! 6x7 body, prism finder &

90mm f2.8 1,099.00

45mm f4.0 499.00

55mm f4.0 499.00

75mm f4.5 shift 1,249.00

90mm f2.8 359.00

90mm f2.8 leaf shutter 539.00

135mm f4.0 macro 349.00

200mm f4.0 389.00

300mm f4.0 739.00

400mm f4.0 1,169.00

500mm f5.6 1,649.00

800mm f4.0 4,599.00

Handgrip 99.00

Nikonos V

This is the camera that's at home in any hostile environment. Self-contained in an armored, waterproof case, this auto exposure 35mm camera can go through water, mud, dirt, ice, snow and rain — or anything else Mother Nature has in store for you. Equally at home in the water or on land, the Nikonos has a system of lenses and accessories to meet your most specialized needs. This is the ultimate all-weather camera! Available in orange or olive green.

Nikonos V body only w/battery, grease, & spare O-rings (specify color) 385.00**

Nikonos V (specify color) w/35mm f2.5

UWN (land or underwater use) 498.00**

28mm f2.5 UWN (underwater

use only) 249.00

28mm f2.8 LC (land use only) 169.00

80mm f4 UWN (land or underwater

use) 249.00

Lens hood/filter holder for 35, 80mm 7.00

CC30R filter 22.00

UV haze L-37c filter 24.00

** *Qualifies for current Nikonos promotion.*



Minolta Color Meter II

This meter will save you time and money! You can assess the color and balance multiple light sources on location or in the studio without time consuming test exposures. The Color Meter II instantly provides precise measurement of the three ambient color bands. You may select from Kelvin temperature value or a numerical filtration value on a digital readout. Film temperature may be set to standard daylight (5500°), standard tungsten (3200°) or to another value. A filter conversion table is provided on the rear of the meter to convert the filtration value to an applicable light balancing or color correction filter. You may also measure color temperature of flash sources using an optional accessory attachment. Includes a case and neckstrap

8039-006 • Color meter II 629.00
 1519-700 • MA-1 adapter cord 105.00
 8039-106 • Flash color receptor
 w/case 399.00

Minolta Accessories for Flashmeter IV

8050-207 • DR-1000 Data receiver
 (f/use with Maxxum 9000 &
 Flashmeter IV) 209.00
 8050-107 • IR Receiver/Trigger 169.00



Model	Flash	Ambient	ISO range	F-stop range	Shutter speed range	Sensitivity at ISO 100	Readout	Cell type
Gossen Luna Pro Cds	no	yes	0.8 to 25,000	1 to 90	8 hrs. to 1/4000 sec.	-4 to +17	analog	CdS
Gossen Luna Pro SBC	yes (w/opt. attach)	yes	0.8 to 100,000	0.7 to 128	8 hrs. to 1/4000 sec.	-4 to +17	null analog	silicon
Gossen Luna Pro F	yes	yes	0.8 to 100,000	0.7 to 128	8 hrs. to 1/4000 sec.	-1 to +17	null analog	silicon blue cell
Gossen Ultra Pro	yes	yes	1 to 800,000	.07 to 90.9	8 hrs. to 1/4000 sec.	-4 to +18	digital and LCD analog	silicon blue cell
Gossen Multi-Pro	yes	yes	1 to 800,000	0.7 to 90.9	amb. 8 hrs. -1/8000 sec.; flash 1/60 -1/250	-2 to 18	digital and LCD analog	2 silicon blue cells
Minolta Autometer IIIIF	yes	yes	12 to 6400	0.7 to 64.9	amb. 30 min. -1/2000 sec.; flash 1/60 & 1/250	-2.4 to 19.1 incident, 1 to 22.5 reflected	digital and LCD analog	silicon
Minolta Flash Meter IV	yes	yes	8 to 6400	0.7 to 90.9	30 min. to 1/8000 sec.	-2 to +19.5 incident, 1 to 22.5 reflected	digital and LCD analog	silicon
Minolta Autometer III	no	yes	12 to 6400	0.7 to 64.9	30 min. to 1/2000 sec.	-5.4 to 28.5	digital and LCD analog	silicon
Minolta Spotmeter F	yes	yes	12 to 6400	0.7 to 90.9	30 min. to 1/8000 sec.	1 to 22.5	digital, analog	silicon
Sekonic Digi-Spot	yes	yes	3 to 8,000	1 to 90.9	amb. 30 min. to 1/8000 sec.; flash 1 to 1/500 sec.	1 to 20	digital and LCD analog	silicon
Sekonic Digi-Flash	yes	yes	3 to 8,000	1 to 90.9	1/15 to 1/250	4 to 21	digital and LCD analog	silicon
Sekonic Digi Pro X-1	yes	yes	6 to 8,000	1 to 90.9	amb. 30 min. to 1/8000 sec.; flash 1 to 1/500 sec.	-1 to +18	digital and LCD analog	silicon
New! Sekonic Digi Lite F	yes	yes	3 to 8,000	1 to 90.9	amb. 30 min. to 1/8000 sec.; flash 1 to 1/500 sec.	1 to 18	digital and LCD analog	silicon
Sekonic Studio Deluxe	no	yes	6 to 12,000	1 to 90	1 min. to 1/2000 sec	4 to 17	analog	selenium

- 8034-156 • 5° viewfinder f/Flashmeter IV
(req. exposure compensation w/other
meters) 100.00
8034-900 • Syncro Cord II 30.00

Minolta Accessories for Autometer and Flashmeter

- 8045 • Booster II set 199.00
8034-116 • 10° Viewfinder 75.00
8034-500 • Mini-receptor (close-up
probe) 139.00
8034-200 • Flat diffuser 16.00
8034-600 • Spherical ND 4X diffuser 16.00
8034-650 • Spherical ND 8X diffuser 16.00
1509-0584 • Spherical diffuser 16.00
8038-515 • 40° reflected light
attachment 16.00
8034-300 • Spot mask f/enlarger
f/Autometers only 13.00
8044-600 • Case f/Autometers III/IIIF... 21.00

Gossen Accessories for Luna Pro Meters

- 130-102 • Enlarging attachment 53.00
130-103 • Microscope attachments 50.00
130-104 • Flexible fibre-optics probe 210.00
130-105 • Variable angle attachment 71.00
130-107 • Copying attachment 53.00

Gossen Accessories for SBC and UltraPro Meters

- 130-208 • Luna-flash 2 attachment 259.00
130-201 • Luna-sphere studio
attachment 159.00

- 130-202 • Multibeam 1 degree spot
attachment 379.00
130-203 • Microscope attachment 60.00
130-204 • Fiber optics probe 259.00
130-205 • Color temperature
attachment 290.00

Sekonic Accessories for Digi Pro

- Syncro cord 19.50
Lumi sphere 12.00
Lumi grid 12.00
Leather case 20.00
10° Viewfinder w/dial 93.00
Fiber optics probe Call

Sekonic Accessories for Studio Deluxe

- Slide set 25.00
Lumi sphere 12.00
Lumi grid 12.00
Lumi disc 12.00
High slide 12.00
Leather case 20.00

Unicolor Last Grey Card

This is the best and last grey card you will ever buy! Scratch-proof, scuff-proof and almost impossible to bend or break, the Last Grey Card is virtually indestructible. It's even washable! It is made under strict tolerance to provide a true 18% grey and 90% white reflectance. Available in two sizes.

- 9405 • 4x5" grey card 4.00
9404 • 8x10" grey card 9.00

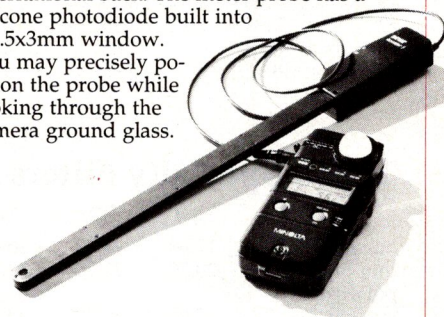
Kodak R-27 Gey Card

The standard reference tool. This 2-sided (18% grey, 90% white reflectance) 8x10" cardboard is sold in a set of two.

- R-27 • Grey card, set of two 6.50

Sinar Booster 1

Sinar and Minolta have developed the ultimate in metering accuracy for large format photography: the Sinar Booster 1. This meter probe attaches to the Minolta Flash Meter IV for single/multiple flash metering, continuous light metering and averaging metering directly off the film plane. The Probe may be attached directly to a Sinar metering back or adapted with a light meter cassette to any 4x5 camera with the international back. The meter probe has a silicone photodiode built into a 2.5x3mm window. You may precisely position the probe while looking through the camera ground glass.



- 22-1025 • Sinar Booster 1 844.00
22-1003 • Sinar light meter cassette 164.00
23-2028 • Meter holder plate for Sinar
metering backs 53.00
23-2029 • Meter holder plate for light
meter cassette 105.00

Battery	Additional features	Memory/Calculation	Incident	Reflected	Price
two 1.35 V (PX625)	cine scale included on reference dial	no	yes: sliding hemisphere	yes	\$169.00
9V	electronic contacts for optional special operation accessories	no	yes: sliding hemisphere	yes	\$195.00
9V	cumulative reading f/multiple flashes	yes, multi-flash	yes: sliding hemisphere	yes	\$229.00
9V	color meter (w/opt. attachment), footcandle readout, photometric scales f/cine use, 1 sec. to 126 min. timer, up to 15 readings	yes, multi-flash	yes: sliding hemisphere	yes	\$349.00
9V	auto averaging	yes, multi-flash, daylight analysis	yes: sliding hemisphere	yes	\$299.00
6V (PX28)	1/50 sec. cine sync speed, multiple ambient reading averaging	yes	yes, removeable attachment	yes, optional attachment	\$229.95
AA	shadow/highlight bias adjust.; direct cine readout at rates of 8, 12, 16, 18, 24, 32 & 64 f.p.s., direct input w/Maxxum 9000 camera	yes, multi-flash	yes, removeable attachment	yes, removeable attachment	\$449.00
6V		2 reading memory	yes, removeable attachment	yes, optional attachment	\$159.95
AA	1/50 sec. cine sync speed, shadow or highlight bias adjustment	2 reading memory	no	yes: 1° in a 12x17° field	\$395.00
2 AA	auto off after 5 min., cine measurement	no	no	yes: 1° and 20°	\$350.00
AA	auto off after 5 min. receptor cell on rotating yoke for convenient positioning	no	yes	yes	\$235.00
AA	auto off after 5 min., receptor cell on rotating yoke for convenient positioning	yes, multi-flash	yes	yes	\$329.00
AA	direct cine readout at 8, 16, 18, 24, 32, 64, 128 f.p.s., 50 spot attachment available, flat diffuser included	no	yes, removeable attachment	yes, removeable attachment	\$259.00
none	cine speed scale on dial	no	yes	no	\$95.95

Toshiba

These filters are high quality coated solid optical glass plano-parallel in aluminum filter mounts. They are made in Japan.

Tiffen

These filters are constructed of two pieces of optical glass with the color laminated in between, in aluminum mounts. They surpass US military specifications.

B+W

These German filters are made from Schott optical glass with anti-reflection coating on both surfaces, mounted in black anodized brass mounts.

Light Correction Filters for Color Film

Cool	80A	80B	80C	80D	82C	82B	82A	82	UV	81	81A	81B	81C	81D	81EF	85C	85	85B	Warm
Exp. Factor	2	1-2/3	1	1/3	2/3	2/3	1/3	1/3	0	1/3	1/3	1/3	1/3	2/3	2/3	1/3	2/3	2/3	

Contrast Filters for Black and White

UV			sky			yellow			orange			red			blue			green		
lt	med	dk				lt	med	dk	lt	med	dk	lt	med	dk	lt	med	dk	lt	med	dk
1	16	17			1A	6	8	9	12	15	16	23A	25	29	38	47	47B	56	58	61

mm	Toshiba	Tiffen	B+W	mm	Toshiba	Tiffen	B+W	Series	Tiffen	B+W
49	7.95	8.95	19.50	62	13.95	14.95	31.00	7	9.00	28.50
52	7.95	8.95	21.00	67	16.95	17.95	40.00	8	11.50	38.00
55	8.95	9.95	24.00	72	21.95	22.95	51.00	9	18.90	
58	8.95	9.95	25.50	77	28.95	29.95	61.00			

Tiffen Specialty Filters

	49	52	55	58	62	67	72	77
linear polarizer	17.50	18.00	20.00	21.00	25.00	33.00	34.00	38.50
thin linear	20.50	21.50	22.00	25.00	29.00	37.00	43.00	
polarizer								
circular	37.00	39.00	42.00	47.00	55.00	59.00	68.00	
polarizer								
center spot	16.00	17.00	19.00	21.00	24.00	30.00	36.00	43.00
color graduate	12.50	13.00	14.00	14.50	17.50	19.50	22.50	25.00
diffusion 1, 2, 3	16.00	17.00	19.00	21.00	24.00	30.00	36.00	42.00
fog 1, 2, 3	10.50	11.00	12.00	13.50	15.50	19.00	23.50	26.00
multi-image	38.50	44.00	44.00	51.00	70.00	85.00	87.00	93.00
3R, 3P								
color grad	12.75	13.00	14.25	14.50	17.50	19.75	22.75	25.00
812	9.50	10.50	11.00	11.75	15.75	20.25	25.50	
enhancing 1	32.50	32.50	51.50	51.50	51.50	51.50	65.00	65.00
center spot	16.50	17.50	19.00	21.50	24.50	30.00	36.25	43.50
close-up set	44.25	46.00	49.00	56.00	78.50	87.00	99.00	
diffusion	16.50	17.50	19.00	21.50	24.75	30.00	36.50	42.00
(1, 2, 3)								
fog (1, 2, 3)	10.75	11.00	12.00	13.50	15.50	19.50	23.00	26.50
double fog	12.50	16.00	18.25	21.00	25.00	29.00	33.00	39.00
(1, 2, 3, 4, 5)								
medium red	9.50	10.50	11.00	11.75	15.75	20.25	25.50	
low contrast	12.75	15.75	18.25	21.00	25.00	29.00	33.00	39.00
(1, 2, 3, 4, 5)								
soft contrast	12.50	15.75	18.25	21.00	25.00	29.00	33.00	39.00
(1, 2, 3, 4, 5)								
sepia	12.50	15.75	18.25	21.00	25.00	29.00	33.00	39.00
softnet	12.50	15.75	18.25	21.00	25.00	29.00	33.00	39.00
blk/white/skin								
(1, 2, 3, 4, 5)								

B+W Specialty Filters

	49	52	55	58	62	67	72	77
linear polarizer	40.00	44.50	49.50	52.00	56.00	66.00	77.00	89.00
circular polarizer	95.00	99.00	111.00	115.00	119.00	145.00	165.00	188.00
FLD/FLB	38.50	40.00	42.00	44.00	46.00	49.00	56.00	68.00
soft focus 1,2	19.50	21.00	24.00	25.50	31.00	40.00	51.00	61.00
soft image	23.00	24.00	24.00	25.00	36.00	41.50	52.00	61.00
star 4,6	32.50	32.50	38.50	39.50	49.50	49.50	61.50	68.50
close up .5, 1, 2, 3	19.50	21.00	24.00	25.50	31.00	40.00	51.00	61.00
neutral density	19.50	21.00	24.00	25.50	31.00	40.00	51.00	61.00

Domke Filter File

This slim 5x12" black canvas wallet will hold up to 9) 3-1/2" square or 72mm filters in opaque nylon compartments. The filter file opens to 15x12".

F-709 • Filter file 24.00

HCL Gelatin Filter Case

This hard plastic loose-leaf binder measures 9-1/2x4x3-1/2" and holds up to 60) 3" square gelatin filters safely. Includes 30 tabbed vinyl sheets that each hold two gels. Labels are included to aid in organization.

Gelatin filter case 24.50

Tiffen Series Adapters

Tiffen series adapter rings are available in sizes to fit most lenses. They offer great flexibility and economy because you need only one set of filters with the appropriate adapters to fit all your lenses.

Series 8 adapters with retaining rings (available in 49mm, 52mm, 55mm, 57 bay, 58mm, 62mm & 67mm, specify) ... 9.50
Series 9 adapters with retaining rings (available in 67mm, 72mm, 77mm, 82mm, 86C, 86mm, specify) 24.75

For information on adapter rings not listed, call or write the 35mm Camera Department.

Series 60 Adapter Ring

Designed for using 67mm filters on Hasselblad CF series 60 lenses, black anodized brass ring 28.00

Kodak Gelatin Filters

Available in 75mm and 100mm squares to fit most standard filter holders, Kodak gelatin filters are an inexpensive way to build up a large collection of filters. They are available three types: light balancing, color compensating, and wratten.

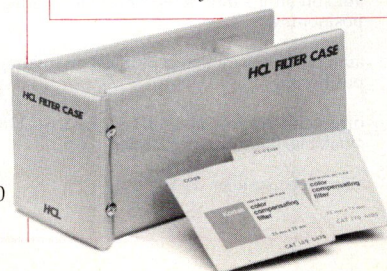
75mm (3x3") gelatins 10.95
100mm (4x4") gelatins 16.95
75mm (3x3") neutral density gelatins 18.95
100mm (4x4") neutral density gelatins 32.95

Gelatin Filter Holders

3" filter frame 10.95
3" filter frame holder 19.50
4" filter frame 14.00
4" filter frame holder 49.00

Special!

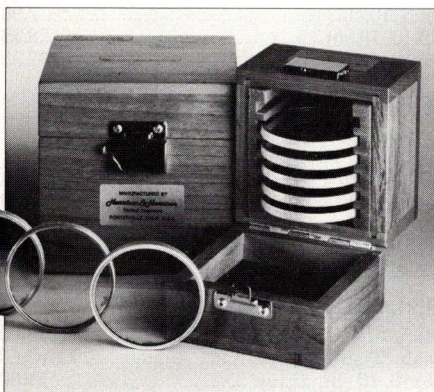
Buy 6 Kodak gel filters and save 10%. Filters may be assorted to qualify.



Singh-Ray

Singh-Ray filters are made of a shatter proof resin and coated with special no-fade dyes to give a lifetime of professional use. The UV filter is more efficient at blocking UV (up to 400nm) than other brands. Lucolux filter is a Singh-Ray exclusive, designed for shooting type B color film under GE Lucolux sodium vapor illumination. The FLD and FLB filters are for color correction under fluorescent illumination with daylight and type B films, respectively. Specify type and size of filter when ordering.

39mm	29.00
49mm	32.00
52mm	36.00
55mm	38.00
58mm	40.00
62mm	43.00
67mm	49.00
72mm	61.00
77mm	63.00



Harrison & Harrison

Available individually or in matched sets of five consecutive grades, Harrison & Harrison filters produce a "true" diffusion or fog effect without causing any flare. Sets are supplied with a wooden case. Please specify grade (1-5) when ordering individually.

Type	Ser. 8	Ser. 9
Matched diffusion set		
D1-D5 (5 filters)	136.00	178.00
Individual diffusion filter	30.00	40.00
Matched fog set		
F1-F5 (5 filters)	136.00	178.00
Individual fog filters	30.00	40.00

Sinar Color Control Filter System

Sinar offers a complete professional grade filter system for light balancing, color correction, color temperature correction, graduate, black and white contrast, neutral density and special effects that is designed to cover all your camera formats. Manufactured of an optical-quality synthetic resin, these filters offer the quality of a gel, but with greater durability. This resin also delivers higher light transmission with a lower refractive index than glass filters. The filters can be used in conventional gel filter holders or you can use sinar's versatile holders. With Sinar adapter rings you can use the same 4" holder on 13 different sized lens threads ranging from 40mm to 86mm and including Hasselblad and Rollei. The filters are available in 3" (75mm), 4" (100mm) and 5" (125mm) square sizes. Sinar holders are available for 4 and 5" filters only.

Color Correction

This series of filters are available in cyan, magenta, yellow, red, green, and blue. They are available in 8 grades including: CC025, 05, 10, 15, 20, 30, 40, and 50. Please specify color and grade when ordering.

75mm color correction	16.00
100mm color correction	22.00
125mm color correction	75.00

Color Temperature Correction

This series includes: 80A, B, C, or D. 81, 81A, B, C, D, or EF. 82, 82A, B, or C. 85, 85B or C.

75mm color temp correction	20.00
100mm color temp correction	27.00
125mm color temp correction	89.00

Graduated

This series includes: yellow, blue, sepia, tabac, violet and coral, plus 1, 2, and 3 stop neutral density graduated filters.

100mm graduated	63.00
125mm graduated	180.00

Black and White Contrast

This series includes: 8 yellow, 25 red, 58 green, 1A skylight, 2B ultraviolet, 16 orange, 38 light blue, and 11 yellow/green.

75mm b&w	16.00
100mm b&w	22.50
125mm b&w	75.00

Neutral Density

This series includes: 0.3, 0.6 and 0.9 ND filters for 1, 2, and 3 stops absorption respectively.

75mm neutral density	38.00
100mm neutral density	51.00
125mm neutral density	125.00

Special Effects

This series includes: soft focus, diffusion, fog, and 4mm 6 point or 4mm 8 point star filters.

75mm special effect	27.00
100mm special effect	34.00
125mm special effect	99.00

Filter Holders

Filter holder, 100mm	208.00
Filter holder, 125mm	185.00

Adapter Rings

Adapter rings for 100mm holder include:

40mm, 49mm, 52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm, 82mm, 86mm	@38.00
Rollei or Hasselblad-60	@67.00

Adapter rings for 125mm holder include:

40mm, 49mm, 52mm, 58mm, 67mm, 77mm, 82mm, 86mm, 95mm	@65.00
100mm, 105mm, 110mm, 120mm, 127mm	@51.00

Cokin

Cokin optical plastic filters are available in two sizes. Cokin A filters are 7x6.5cm and fit lenses from 36 to 62ø. Cokin P filters are 10x8cm and fit lenses from 48 to 82ø. The basic blister pack includes a modular filter holder, lens cap and a 106 page sample/idea book of the entire Cokin line. A lens adapter ring (not included) is required to mount the holder.

Adapter ring A, available in 36, 39, 46, 48,

49, 52, 55, 58 & 62mm (specify)	2.50
Adapter ring A, Hasselblad 50 bay	12.75
Adapter ring P, available in 48, 49, 52, 55, 58, 62, 67, 72, 77, & 82mm (specify)	3.40
Adapter ring P, Hasselblad 50 bay	17.75
Adapter ring P, Hasselblad 60 bay	13.00

Type	#	A	P
basic blister pack		3.50	4.00
yellow	001	4.50	5.50
orange	002	4.50	5.50
red	003	4.50	5.50
green	004	4.50	5.50
sepia	005	4.50	5.50
dif. cosmos	040	10.75	16.00
dif. univers.	041	10.75	16.00
dif. galaxy	042	10.75	16.00
star 16	055	7.00	8.50
star 8	056	7.00	8.50
star 4	057	7.00	8.50
star 2	058	7.00	8.50
grey 1 center spot	062	6.00	7.75
grey 2 center spot	063	6.00	7.75
violet center spot	064	6.00	7.75
green center spot	065	6.00	7.75
orange center spot	066	6.00	7.75
blue center spot	067	6.00	7.75
red center spot	068	6.00	7.75
color varnish	080	7.50	
color vaseline	081	7.50	
color diffuser	082	3.00	5.60
diffuser 1	083	6.00	7.75
diffuser 2	084	6.00	7.75
pastel 1	086	6.00	10.00
pastel 2	087	6.00	10.00
dreams 1	091	11.00	14.75
dreams 2	092	11.00	14.75
dreams 3	093	11.00	14.75
close up + 1	101	5.75	14.75
close up + 2	102	5.75	14.75
close up + 3	103	5.75	14.75
G1 grey grad.	120	7.00	9.00
G2 grey grad.	121	7.00	9.00
B1 blue grad.	122	7.00	9.00
B2 blue grad.	123	7.00	9.00
T1 tob. grad.	124	7.00	9.00
T2 tob. grad.	125	7.00	9.00
M1 mauve grad.	126	7.00	9.00
M2 mauve grad.	127	7.00	9.00
P1 pink grad.	128	7.00	9.00
P2 pink grad.	129	7.00	9.00
E1 emerald grad.	130	7.00	9.00
E2 emerald grad.	131	7.00	9.00
Y1 yellow grad.	132	7.00	9.00
Y2 yellow grad.	133	7.00	9.00
fog 1	150	7.00	9.00
fog 2	151	7.00	9.00
linear polarizer	160	9.50	13.00
pola-color red	161	11.25	17.50
pola-color blue	162	11.25	17.50
pola-color yellow	163	11.50	17.50
var. red/green	170	11.25	17.50
var. red/blue	171	11.25	17.50
var. purple/orange	172	11.25	17.50
var. blue/yellow	173	11.25	17.50
gel holder	194	3.50	3.75
rainbow 1	195	7.00	9.00
rainbow 2	196	7.00	9.00
sunset 1	197	9.00	14.25
sunset 2	198	9.00	14.25
multi 5	201	12.00	16.00
multi 7	202	12.00	20.50
multi 13	203	12.00	
multi parallel	209	13.00	23.00
speed	216	12.00	14.75
prism	219	32.50	48.50
mirage	220	12.50	
creative mask	340	7.75	11.25
double mask 1	342	8.50	12.00
double mask 2	345	8.50	12.00
double exp.	346	4.00	6.00
creative	375	12.00	14.00
basic	376	5.50	7.00
pre-shaped	397	9.00	12.00

Kodak

Helix is a Kodak Professional Stockhouse Dealer. We carry their full line of black and white and color film for virtually all cameras, from pocket instants to large format view cameras and movie cameras! For prices and information on case quantities, or any film not listed call 312/421-6000 or write Helix, 310 South Racine Avenue, Chicago, Illinois 60607.

35mm Black & White Film, 36 exp.

	1-19	20+
FX 135-36 • Panatomic X, ISO 32	3.35	3.20
TMX 135-36 • T-Max 100,		
ISO 100	3.35	3.20
PX 135-36 • Plus X, ISO 125	3.30	3.15
TX 135-36 • Tri-X, ISO 400	3.25	3.10
TMY 135-36 • T-Max 400,		
ISO 400	3.50	3.35
HIE 135-36 • High Speed		
Infrared, ISO 125	5.35	5.10
HCS 135-36 • Ektagaphic HC		
Slide Film	4.15	3.95
TP 135-36 • Technical Pan		
Type 2415	4.35	4.15
RE 136-36 • Recording 2475,		
ISO 1000	4.99	4.75

35mm Color Negative Film, 36 exp.

CA 135-36 • Kodacolor VR-G 100,		
ISO 100	3.89	3.70
CB 135-36 • Kodacolor VR-G 200,		
ISO 200	4.45	4.25
CM 135-36 • Kodacolor VR 400,		
ISO 400	4.75	4.50
CC 135-36 • Kodacolor VR-G 400,		
ISO 400	4.99	4.75
CF 135-36 • Kodacolor VR 1000,		
ISO 1000	5.70	5.45
VPS 135-36 • Vericolor III Pro,		
ISO 160	4.60	4.40
New! VPH 135-36 • Vericolor 400		
Pro, ISO 400	5.50	5.25

35mm Color Slide Film

*Kodak Kodachrome w/Processing Mailer, 36 exp.

KM 135-36P • Kodachrome,		
ISO 25	7.89	7.79
KR 135-36P • Kodachrome,		
ISO 64	7.89	7.79

Kodak Kodachrome, 36 exp.

KM 135-36 • Kodachrome, ISO 25	5.65	5.35
KR 135-36 • Kodachrome, ISO 64	5.65	5.35
PKM 135-36 • Kodachrome Pro,		
ISO 25	6.50	6.15
PKR 135-36 • Kodachrome Pro,		
ISO 64	6.50	6.15
PKL 135-36 • Kodachrome Pro,		
ISO 200	8.30	7.90
KPA 135-36 • Kodachrome II Pro		
tung., ISO 40	7.25	6.90

Kodak Ektachrome Professional, 36 exp.

EPY 135-36 • Ektachrome Pro tung.,		
ISO 50	6.70	6.35
EPR 135-36 • Ektachrome Pro,		
ISO 64	6.70	6.35
EPN 135-36 • Ektachrome Pro,		
ISO 100	7.35	7.00
New! EPP 135-36 • Ektachrome		
Plus Pro, ISO 100	7.35	7.00
EPT 135-36 • Ektachrome Pro tung.,		
ISO 160	8.10	7.65
EPD 135-36 • Ektachrome Pro,		
ISO 200	8.10	7.65

Special Application Color Transparency Film, 36 exp.

	1-19	20+
IE 135-36 • Ektachrome Infrared	12.45	11.80
ESD 135-36 • Ektachrome Slide		
Dup. 5071	5.45	5.20
EES 135-36 • Ektachrome Pro		
High-Speed, ISO 800/1600	9.35	8.90

120 Black and White Film

FXP120 • Panatomic X, ISO 32	2.35	2.20
TMX120 • T-Max 100, ISO 100	2.20	2.09
PXP120 • Plus X Pro Pack (5 rolls),		
ISO 125	11.59	11.00
TX120 • Tri-X, ISO 400	2.15	2.05
TXP120 • Tri-X, Pro Pack (5 rolls),		
ISO 320	11.65	11.10
TMY120 • T-Max 400, ISO 400	2.30	2.15
RX120 • Royal Pan, ISO 1250	2.85	2.70
TP120 • Technical Pan Type 2415	2.80	2.65
VP120 • Verichrome Pan, ISO 125	1.85	1.75

120 Color Negative Film

CA120 • Kodacolor VR-G 100,		
ISO 100	2.75	2.60
CM120 • Kodacolor VR 400,		
ISO 400	3.45	3.25
VPS120 • Vericolor III Pro,		
ISO 160	2.99	2.85
VHC120 • Vericolor HC Pro	2.99	2.85
VPL120 • Vericolor III Pro Pack		
(5 Rolls), ISO 100	14.95	14.20
New! VPH120 • Vericolor 400 Pro,		
ISO 400	3.60	3.45

120 Color Transparency Film

EPY120 • Ektachrome Pro tung.,		
ISO 50	3.65	3.45
EPR120 • Ektachrome Pro,		
ISO 64	3.70	3.50
EPN120 • Ektachrome Pro,		
ISO 100	3.99	3.80
New! EPP120 • Ektachrome Plus		
Pro, ISO 100	3.99	3.80
EPT120 • Ektachrome Pro tung.,		
ISO 160	4.30	4.10
EPD120 • Ektachrome Pro,		
ISO 200	4.30	4.10
EL120 • Ektachrome, ISO 400	5.07	4.80
PKR120 • Kodachrome Pro,		
ISO 64	4.15	3.95

Black & White Sheet Film

Tri-X Pro, ISO 320

4x5, 25 sht.	11.65
8x10, 25 sht.	37.80
8x10, 50 sht.	74.90
4x5, 100 sht.	43.95

T-Max 400 Pro, ISO 400

4x5, 25 sht.	12.19
4x5, 100 sht.	47.25
8x10, 25 sht.	40.45

Plus-X Pro, ISO 125

4x5, 25 sht.	11.25
4x5, 100 sht.	43.25
8x10, 25 sht.	37.25
8x10, 50 sht.	73.80

T-Max 100 Pro, ISO 100

4x5, 25 sht.	11.65
4x5, 100 sht.	44.75
8x10, 25 sht.	38.55

Kodalith Ortho

4x5, 100 sht.	29.00
8x10, 100 sht.	96.00

Ektapan, ISO 100

4x5, 25 sht.	11.70
4x5, 100 sht.	45.05

8x10, 25 sht.	38.80
8x10, 50 sht.	76.00

Super XX, ISO 200

4x5, 25 sht.	13.40
4x5, 100 sht.	51.60
8x10, 25 sht.	44.40
8x10, 50 sht.	87.95

Professional Copy Film, ISO 25

4x5, 25 sht.	14.25
8x10, 25 sht.	47.00

Color Negative Sheet Film

Vericolor III VPS Daylight

4x5, 10 sht.	13.20
4x5, 50 sht.	60.75
8x10, 10 sht.	49.50

Vericolor II VPL Tungsten

4x5, 10 sht.	13.20
4x5, 50 sht.	60.75
8x10, 10 sht.	49.50

Vericolor Color Print #4111

4x5, 10 sht.	7.90
8x10, 10 sht.	28.15
8x10, 50 sht.	132.38

Color Transparency Sheet Film

Ektachrome 50 Tungsten #6118

4x5, 10 sht.	13.80
4x5, 50 sht.	63.60
8x10, 10 sht.	51.80
8x10, 50 sht.	243.50

Ektachrome 64 Daylight #6117

4x5, 10 sht.	13.80
4x5, 50 sht.	63.60
8x10, 10 sht.	51.80
8x10, 50 sht.	243.50

Ektachrome 100 Daylight #6122

4x5, 10 sht.	14.00
4x5, 50 sht.	65.90
8x10, 10 sht.	53.95
8x10, 50 sht.	253.50

New! Ektachrome 100 Plus, ISO 100

4x5, 10 sht.	14.00
4x5, 50 sht.	65.90
8x10, 10 sht.	53.95
8x10, 50 sht.	253.50

Ektachrome 200 Daylight #6176

4x5, 10 sht.	15.09
4x5, 50 sht.	69.40
8x10, 10 sht.	56.90
8x10, 50 sht.	267.50

35mm Bulk Black and White Film

Panatomic-X, ISO 32

FX401 • 50' perf.	10.75
FX402 • 100' perf.	21.50

T-Max 100, ISO 100

TMX402 • 100' perf.	24.00
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Plus-X, ISO 125

PX401 • 50' perf.	11.00
PX402 • 100' perf.	21.00

T-Max 400, ISO 400

TMY402 • 100' perf.	25.00
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Tri-X, ISO 400

TX401 • 50' perf.	12.00
TX402 • 100' perf.	23.50

Kodalith Ortho 6556 type 3,

SP653 • 100' perf.	21.00
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35mm Bulk Color Film

EPY404 • Ektachrome Pro tung., 100' perf., ISO 50	58.00
EPR404 • Ektachrome Pro day., 100' perf., ISO 64	58.00
EPN404 • Ektachrome Pro day., 100' perf., ISO 100	60.00
EPT404 • Ektachrome Pro tung., 100' perf., ISO 160	63.00
EPD404 • Ektachrome Pro day., 100' perf., ISO 200	63.00
EL404 • Ektachrome Pro day., 100' perf., ISO 160	74.00
VPS404 • Vericolor III Daylight, 100' perf., ISO 160	46.00
New! VPH404 • Vericolor 400 Pro, 100' perf., ISO 400	46.00

Processing Mailers

PK20/24 • For 135-20, 135-24 in 2x2" mounts	3.75
PK36C • For 135-36 in 2x2" mounts	4.95
ESP-1 • Special processing envelope	2.00
DP12C • Kodacolor f/120, 135-12 (12 exp.)	5.00
DP24C • Kodacolor f/135-24 (24 exp., 3R prints)	8.50
DP36C • Kodacolor f/135-36 (36 exp., 3R prints)	12.00

16mm Reversal Movie Film Black and White

PXR455 • Plus-X 7276, ISO 50, 100' sing. perf.	20.00
PXR449 • Plus-X 7276, ISO 50, 100' dbl. perf.	20.00
PXR451 • Plus-X 7276, ISO 50, 400' dbl. perf.	73.00
TXR455 • Tri-X 7278, ISO 200, 100' sing. perf.	18.95
TXR449 • Tri-X 7278, ISO 200, 100' dbl. perf.	18.95
TXR451 • Tri-X 7278, ISO 200, 400' dbl. perf.	69.95
4XR455 • 4-X 7277, ISO 400, 100' sing. perf.	18.95
4XR451 • 4-X 7277, ISO 400, 100' dbl. perf.	18.95
4XR451 • 4-X 7277, ISO 400, 400' dbl. perf.	69.95

16mm Movie Film Color Reversal

Kodachrome

KM455 • Day., ISO 24, 100' sing. perf.	32.00
KM449 • Day., ISO 24, 100' dbl. perf.	32.00
KMA455 • Type A, ISO 40, 100' sing. perf.	30.95
KMA449 • Type A, ISO 40, 100' dbl. perf.	32.00

Ektachrome Video News 7240

VNF455 • Tung. winding B, 100' sing. perf., ISO 125	27.95
VNF449 • Tung., 100' dbl. perf., ISO 125	27.95
VNF451 • Tung., 400' dbl. perf., ISO 125	105.00

Ektachrome Video News 7250

VNX455 • Tung. winding B, 100' single perf., ISO 400	27.95
VNX449 • Tung., 100' dbl. perf., ISO 400	27.95
VNX451 • Tung., 400' dbl. perf., ISO 400	105.00

Ektachrome Video News 7239,

VND455 • Day, winding B, 100' sing. perf., ISO 160	27.95
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VND449 • Day, 100' dbl. perf., ISO 160	27.95
VND451 • Day, 400' dbl. perf., ISO 160	109.00

Kodak 16mm Movie Film Color Negative

ECN449 • Tung., 100' dbl. perf., ISO 100	33.00
ECN451 • Tung., 400' dbl. perf., ISO 100	126.00
ECX449 • Tung., 100' dbl. perf., ISO 320	35.00
ECX451 • Tung., 400' dbl. perf., ISO 320	132.00

Fuji

35mm Professional

Transparency Film, 36 exp.

RFP135-36 • Fujichrome, ISO 50	5.95
RTP135-36 • Fujichrome, ISO 64, tung.	6.00
RDP135-36 • Fujichrome, ISO 100	6.50
RHP135-36 • Fujichrome, ISO 400	8.60
RSP135-36 • Fujichrome, ISO 1600	8.80

120 Professional Transparency Film

RFP120 • Fujichrome, ISO 50	3.25
RTP120 • Fujichrome, ISO 64, tung.	3.25
RDP120 • Fujichrome, ISO 100	3.50
RHP120 • Fujichrome, ISO 400	4.90

Color Sheet Film

4x5 Fujichrome RFP, ISO 50, 10 sht.	12.50
4x5 Fujichrome RFP, ISO 50, 50 sht.	58.00
8x10 Fujichrome RFP, ISO 50, 10 sht.	48.00
8x10 Fujichrome RFP, ISO 50, 50 sht.	225.00
4x5 Fujichrome RTP, ISO 64, tung., 10 sht.	12.50
4x5 Fujichrome RTP, ISO 64, tung., 50 sht.	58.00
8x10 Fujichrome RTP, ISO 64, tung., 10 sht.	48.00
8x10 Fujichrome RTP, ISO 64, tung., 50 sht.	225.00
4x5 Fujichrome RDP, ISO 100, 10 sht.	13.00
4x5 Fujichrome RDP, ISO 100, 50 sht.	63.00
8x10 Fujichrome RDP, ISO 100, 10 sht.	51.00
8x10 Fujichrome RDP, ISO 100, 50 sht.	240.00

Agfa

120 Black and White Film

	1-19	20+
9461 • Agfa Pan 120, ISO 25	1.80	1.70
9411 • Agfa Pan 120, ISO 100	1.80	1.70
9441 • Agfa Pan 120, ISO 400	1.80	1.70

35mm Black and White Film, 36 exp.

9461 • Agfa Pan 135-36, ISO 25	2.85	2.70
9411 • Agfa Pan 135-36, ISO 100	2.85	2.70
9441 • Agfa Pan 135-36, ISO 400	2.85	2.70

Black & White Sheet Film

4x5 Agfa Pan 25, 25 sht., ISO 25	10.40
4x5 Agfa Pan 100, 25 sht., ISO 100	10.40
4x5 Agfa Pan 400, 25 sht., ISO 400	10.40
8x10 Agfa Pan 25, 25 sht., ISO 25	24.95

Ilford

35mm Black & White Film, 36 exp.

0034 • Pan F 135-36, ISO 50	3.35	3.20
0024 • FP4 135-36, ISO 125	3.35	3.20
0007 • HP5 135-36, ISO 400	3.35	3.20
0731 • XP-1 135-36, variable ISO	3.75	3.55

35mm Bulk Black & White Film

Pan F perf., 97', ISO 50	19.50
FP4 perf., 97', ISO 125	19.50
HP5 perf., 97', ISO 400	21.30
XP-1 perf., 97', variable ISO	22.30

120 Black & White Film

	1-19	20+
0056 • Pan F 120, ISO 50	2.35	2.25
0020 • FP4 120, ISO 125	2.35	2.25
0020 • FP4 120, ISO 125	2.35	2.25
0388 • HP5 120, ISO 400	2.35	2.25
2687 • XP-1 120, variable ISO	2.20	2.10

Black & White Sheet Film

4x5 FP4, ISO 125, 50 sht.	20.20
4x5 HP5, ISO 400, 50 sht.	20.50
8x10 FP4, ISO 125, 25 sht.	34.80
8x10 HP5, ISO 400, 25 sht.	35.25

Polaroid

Instant Color

Spectra film, 10 sht.	9.95
Spectra film, 2 pack, 20 sht.	17.50
Time Zero (SX-70), 2-pack, 20 sht.	16.95
Type 778 (SX-70), 2-pack, 20 sht.	19.25
Sun 600, 2-pack, 20 sht.	17.50
Type 779 (Sun 600) Pro, 2 pack, 20 sht.	19.25

Medium Format Pack Film

New! Type 664 B&W, ISO 100, 16 sht.	15.00
Type 665 B&W positive/negative, ISO 50, 8 sht.	8.00
Type 667 B&W Pro coaterless, ISO 3000, 16 sht.	11.75
Type 668 Pro Color, ISO 75, 16 sht.	17.00
Type 669 Extended Range Color, ISO 75, 16 sht.	17.00

4x5 Pack Film

Type 552 B&W, ISO 400, 8 sht.	12.75
Type 553 B&W coaterless, ISO 800, 8 sht.	12.80
New! Type 554 B&W, ISO 100, 8 sht.	13.00
Type 559 Extended Range Color, ISO 75, 8 sht.	20.00

4x5 Sheet Film

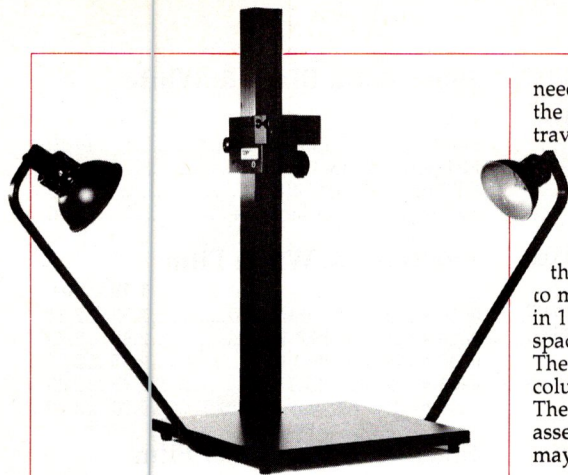
Type 51 B&W, ISO 200, 20 sht.	34.25
Type 52 B&W, ISO 400, 20 sht.	32.50
New! Type 54 B&W, ISO 100, 20 sht.	34.00
Type 55 B&W positive/negative, ISO 50, 20 sht.	35.25
Type 57 B&W, ISO 3000, 20 sht.	34.25
Type 58 Pro Color ISO 75, 20 sht.	60.50
Type 59 Extended Range Color, ISO 75, 20 sht.	52.00
4x5 Color Transparency Film, day., ISO 100, 25 sht. (E-6 process)	35.75
4x5 Color Transparency Film, tung., ISO 64, 25 sht. (E-6 process)	35.75

8x10 Sheet Film

Type 803 Coaterless B&W, ISO 800, 15 sht.	106.00
Type 809 Color Extended Range, ISO 80, 15 sht.	106.00
Type 891 Color Transparency, ISO 80, 15 sht.	133.00

35mm Auto Process Transparency Film

Polapan CT135-36, B&W, ISO 125	14.50
Polapan HC135-12, B&W, ISO 400	10.00
Polachrome CS135-12, Color, ISO 40	9.50
Polachrome CS135-36, Color, ISO 40	14.50
Pola Blue 135-12 white & blue trans.	11.25



Bencher Camera Stands

If copywork is a serious part of your operation, Bencher offers a complete line of stands, illumination systems, and accessories that are solidly built to take constant use. Manufactured in the U.S.A., the Bencher line, including the CopyMate, M2, and M3 stands, may be customized to suit your particular needs with a selection from table-top stands to motorized free standing units with base illumination. Precision-crafted extruded aluminum columns ensure smooth camera movement on all three systems, and the M3 system offers counterbalancing for cameras up to 30 lbs.

CopyMate

Perfect for table-top copying, the standard CopyMate column is counter-balanced to support 35mm, lightweight medium format, and lightweight video cameras. This black-anodized column measures 36" and is mounted on a 16x20" baseboard. For centering without lateral shift, the camera platform slides away from the carriage and column on twin rails. The CopyMate is available in 3 configurations: camera stand with quartz lighting, camera stand with incandescent lamp housings, or camera stand only. Attached to the baseboard, the arms and lamp housings on the quartz and incandescent units are precisely positioned to provide even coverage of the work area.

- 330-10 • CopyMate camera stand only 192.00
- 330-01 • CopyMate quartz outfit 316.00
- 330-02 • CopyMate incandescent outfit 312.00

CopyMate Accessories

- 135-62 • Extra camera plate for quick release 17.60
- 331-11 • Fine focusing and leveling plate 160.00
- 331-22 • Polarizing light filter set 112.00
- 331-25 • Copy holdown, heavy hinged glass plate 76.00
- 336-10 • Precision leveling plate 38.50
- 336-12 • Camera quick release 32.00
- 336-15 • Shutter cable release 20.00
- 336-20 • Camera reflection shield, specify filter ring size: 49, 52, 55, or 58mm 17.00
- 336-24 • Camera reflection shield for Hasselblad 29.00
- 337-50 • Column scale, calibrated in inches and millimeters 20.00

M2 System

If your business needs an efficient and convenient photo and video copying system, the heavy-duty M2 system will suit your

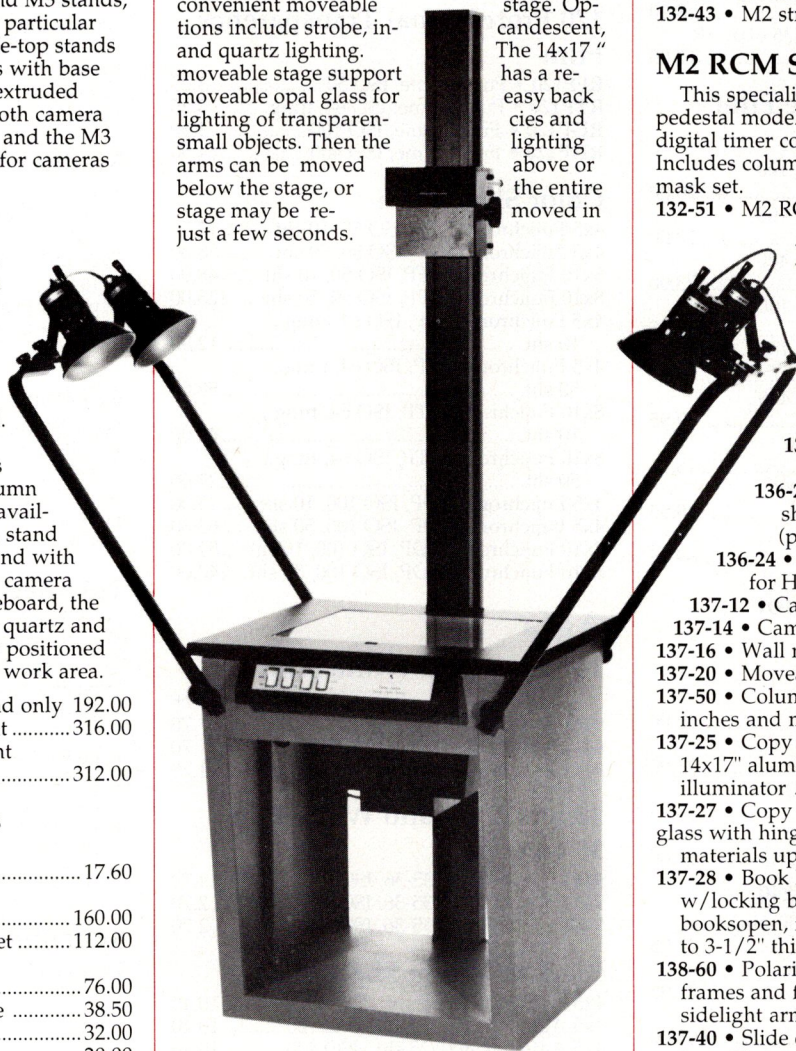
needs. Spring-tension counterbalancing on the precision-crafted column ensures smooth travel without lateral shift. Like the

CopyMate, the carriage features dual-shoe locking brakes for maximum stability. The carriage platform allows 3-1/2" of lateral camera shift and a centering range of 6 inches away from the column. The column is black-anodized to minimize reflections. The M2 is available in 11 configurations to match your subject, space, equipment and budget requirements. The basic table model M2 includes the column, carriage and 26-1/2x20" baseboard. The M2 is also available in a wall mount assembly or the column and carriage only may be ordered.

- 132-01 • M2 table model 340.00
- 132-05 • M2 wall model 280.00
- 132-80 • M2 column and carriage only 240.00

M2 Copy Outfits

In this configuration, the M2 carriage, column and baseboard assembly also includes one of three lighting options plus a convenient moveable stage. Op- stage. Op- moveable stage support moveable opal glass for lighting of transparent-small objects. Then the arms can be moved below the stage, or stage may be re-just a few seconds.



- 132-13 • M2 quartz outfit 740.00
- 132-16 • M2 incandescent outfit 720.00
- 132-23 • M2 strobe outfit 1,340.00

M2 Illuma System

Offering greater control and convenience for copying transparencies, the free standing Illuma Systems are available with quartz or strobe lighting and a choice of bench or

pedestal base. Both base options include a 14x17" evenly lit illuminator to backlight transparent materials. Both the side and base lights share consistent color temperature (quartz - 3200°K, strobe - 5000°). Separate lighting controls for side and base lights are conveniently located on a front console. For delicate subjects, energy savings and extended lamp life, a low power control permits focusing and adjustment with the quartz system until the actual exposure. The quartz system also features forced air cooling on the base illuminator. The strobe system has built-in modeling lamps on base and side lights. It also has a regulated power supply for repeatable exposures. Exposure settings with ISO 64 film is f/11 with the strobe Illuma.

The bench unit, which is built to be worked at while sitting, is supplied with a single light for each side; the pedestal unit, which is made to be worked at standing, is supplied with a pair of lights for each side.

- 132-30 • M2 quartz/bench Illuma 1,200.00
- 132-33 • M2 quartz/pedestal Illuma 1,440.00
- 132-40 • M2 strobe/bench Illuma 1,500.00
- 132-43 • M2 strobe/pedestal Illuma 1,940.00

M2 RCM System

This specialized M2 Quartz Illuma System pedestal model features 99 second remote digital timer control and shutter release. Includes column scale and five piece copy mask set.

- 132-51 • M2 RCM system/pedestal ... 1,980.00

M2/M3 Accessories

- 13 6-10 • Precision leveling plate 40.00
- 136-11 • Fine focusing and centering device 160.00
- 136-12 • Camera quick release 32.00
- 136-15 • Shutter cable release, 34" 20.00
- 136-20 • Camera reflection shield, 49, 52, 55 and 58mm (please specify) 17.00
- 136-24 • Camera reflection shield for Hasselblad 29.00
- 137-12 • Camera bench, 18" high 200.00
- 137-14 • Camera pedestal, 30" high 288.00
- 137-16 • Wall mounting bracket, set 40.00
- 137-20 • Moveable copy stage 14x17" 200.00
- 137-50 • Column scale, calibrated in inches and millimeters 20.00
- 137-25 • Copy mask set, 5 black-anodized 14x17" aluminum masks for base illuminator 80.00
- 137-27 • Copy holdown, 14 x 17" heavy plate glass with hinged backbar for materials up to 1/4" thick 88.00
- 137-28 • Book holder, special easel w/locking backplate for holding books open, for materials up to 3-1/2" thick 104.00
- 138-60 • Polarizing light filter kit, frames and filters to fit standard sidelight arms 120.00
- 137-40 • Slide duplicator, mounts on base illuminator 72.00

M3 System

Similar to the M2 System, this heavier-duty stand allows mounting of large format and larger video cameras of up to 30 lbs. The M3 features a 4' high column and may be special ordered with a 5' column (call or write for details.) The M3 utilizes rack and pinion drive gearing and a column scale is included. Optional motor drive is available for more convenient operation. The table

models features a 23-1/2x26-1/2" baseboard which is supported by a welded steel base platform.

430-02 • M3 table model	680.00
430-06 • M3 wall mount	460.00
430-15 • M3 quartz bench model	1,320.00
430-16 • M3 quartz pedestal model	1,460.00
430-17 • M3 strobe bench model	1,880.00
430-18 • M3 strobe pedestal model	2,000.00

platform and adjustment arm. Maximum elevation 38"

TE-CS4 Stand	104.00
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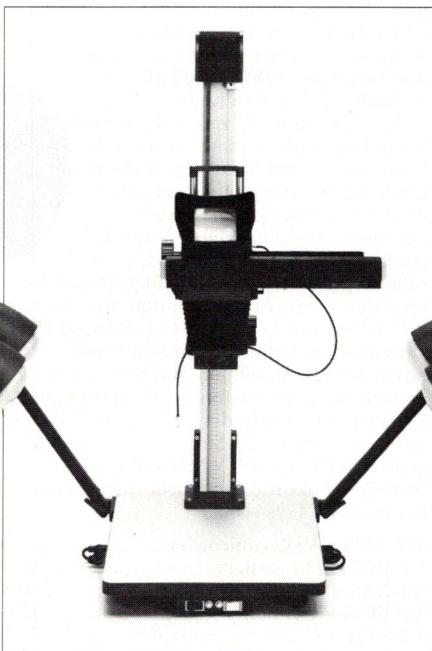
TE-CL23C Copy Lights

This adjustable 2 light assembly clamps to columns measuring 1/2" through 1-1/2" in diameter. Flexible arms measure 12" long and come with standard sockets and 5" reflectors and wood handles for positioning.

TE-CL23C copy lights	41.00
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Polaroid MP-4

When your copy needs require fast solutions, Polaroid offers the MP-4 system to instantly deliver 4x5" prints in color or black and white. Systems are built around the special 4x5 camera and XLR or standard column. System accessories include base board, light assembly with four 150 W reflector floodlamps mounted on adjustable support arms, self-cocking Copal shutter (1 to 1/125 sec., plus B and X synchronization), reflex hood for easy focusing and composing, ground glass, film holders, your choice of a fixed or sliding (allows the film holder and hood/ground glass assembly to be slid in place as they are needed) head, and a wide selection of Tominon lenses.



M3 Illuma System

Like the M2, the M3 offers 14x17" base illumination for transparency materials.

430-20 • M3 quartz Illuma bench model	1,600.00
430-21 • M3 quartz Illuma pedestal model	1,720.00
430-22 • M3 strobe Illuma bench model	2,160.00
430-23 • M3 strobe Illuma pedestal model	2,310.00

M3 Motor Drive Assemblies

Benchers offers five motor drives for use with the M3. Four units must be factory installed on the column, while the fifth may be added later in the field and features carriage mounted control switch. The factory installed drives offer front panel control or remote control. Call the Professional Lighting Department for further details.

Testrite Copy Stands

Testrite offers an affordable selection of copy stands and lights for 35mm and medium format cameras.

TE-CS2 Stand

This stand features a 16x19" baseboard, 1-1/2" diameter two-piece chrome plated column with die-cast camera bracket with friction lock. Maximum elevation 38"

TE-CS2 Stand	54.00
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TE-CS4 Stand

This heavier stand has a 19x23" baseboard, 1-1/2" diameter two-piece chrome plated column with die-cast heavy duty camera

44-64 • Shutter	209.00
44-41 • Sliding head	305.00
44-44 • Fixed head	285.00
44-50 • Standard ground glass	70.00
44-51 • Aerial image ground glass for photomicrography and high magnification photomicrography	70.00
44-54 • Calibrated ground glass	70.00
44-45 • Macro extension	108.00
44-81 • Tripod adapter (#44-40 fixed head and #44-57 folding hood are recommend)	95.00
44-85 • Universal camera mount allows conventional cameras to be mounted to column	99.00
44-88 • Multiple filter holder and filter set, includes: 80B, 80C and 80D gelatin filters and 3" filter frame	69.00
44-97 • Lens and accessory case, stores six MP-4 lenses, microscope baffle tube, reduction kit and halftone aperture control	45.00

Lenses

44-65 • 135mm f4.5	235.00
44-66 • 105mm f4.5	235.00
44-67 • 75mm f4.5	225.00
44-68 • 50mm f4.5	239.00
44-69 • 35mm f4.5	239.00
44-70 • 17mm f4.5	239.00

Film Holders

Model 550, 4x5" pack film holder	89.00
Model 545, instant sheet film holder	159.00
44-48 • 3-1/4x4-1/4" pack film holder	144.00

Morris AC Slave Flash

Morris AC slave flash units offer a cool and affordable daylight balanced alternative to tungsten lighting on the copy stand. These flashes will provide even coverage across the baseboard and they recycle in just 5 seconds. Unlike photofloods and quartz lamps, they maintain a consistent color temperature for years, are cool to work with, and can be used with daylight balanced film without filtration. By combining one Morris AC Master Slave (which includes a PC cord) and one or three AC Slave II's you can have a complete two or four light system that screws into the standard photoflood lamp sockets on your stand. The Master slave requires one 6V battery (not included) for the trigger circuit. Both units feature a guide number of 66 (in feet) with ISO 100 film.

2 light set - 1 Master slave and 1 AC Slave II	64.95
4 light set - 1 Master slave and 3 AC Slave II	112.95

MP-4 XLR Camera

The 4x5" camera body is mounted on a 66" rotating column. Comes with camera carriage and dust cover.

44-03 • XLR camera	1,079.00
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MP-4 Standard Camera

The 4x5" twin rail camera is mounted to a 46" fixed column. Comes with camera carriage and dust cover.

44-01 • Standard camera	935.00
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MP-4 System Accessories

44-13 • XLR 23x29" baseboard	119.00
44-22 • XLR lighting assembly	310.00
44-11 • 18x23" standard baseboard	89.00
44-21 • Standard lighting assembly	299.00
44-55 • Reflex viewer and hood	150.00



See page 30 for Rosco polarizing material for lights.



New! Nikon VN-3000 Action-Pro VHS Camcorder

Nikon introduces a fully automatic VHS-HQ camcorder with an autofocus 9-54mm f1.2 power zoom lens. For precise control, the VN-3000 offers user-selectable broad- and narrow-field autofocus with manual override. White balance is fully automatic or may be set via tungsten and daylight presets. Exposure is automatic with user-selectable backlight compensation switch. For clear still-frame playback, the Action-Pro has two fast shutter speeds (1/1000 and 1/500). With Action-Pro your scene transitions and edits will be smooth, without electronic noise, because this camcorder includes a flying erase head. Audio level from the unidirectional electret condenser microphone is set automatically. Recording in dim light is possible because the CCD chip is sensitive down to 7 lux of illumination (firelight). Audio may be dubbed on to prerecorded video. Date/time may be recorded along with action scenes. Nikon has included an edit switch to improve dubbing with other VCR's. The Action-Pro may be adapted to your TV, VCR or another camcorder. Accessories are provided for connecting to TV, VCR, and AC. A two-hour battery, a sixteen-foot record/pause remote and shoulder strap.

VN-3000 • Action-Pro VHS-HQ camcorder 1,295.00
BP-300 battery pack 49.00
Car battery cord BC-300 75.00



Nikon VN810 Kit

Weighing just 3 pounds with the battery, this 8mm video camcorder has state of the art features wrapped up in a compact package. Power zoom (6x) 9-54mm f1.2 lens with macro, auto focus, high speed shutter (1/60, 1/500 or 1/1000 sec.), and fade-in/fade-out capability are just some of its

outstanding features. The Action-8 comes with nicad battery pack, AC adapter/battery charger, strap, 30-minute tape, remote control, adapter cords, cables for TV/VCR hook-up. For the kit, we have included an extra nicad battery pack, a Nikon cordura nylon bag, a 2 hour metal Konica tape, 49mm UV filter, and the "Camcorder Handbook", a guide to all the basics.

VN810 kit 1,295.00

New! Olympus VX-S405 Super-VHS

The Super-VHS technology used in the VX-S405 camcorder divides the luminance and chrominance signals for clearer, purer colors with up to 400 lines of horizontal resolution. In addition to Super VHS, HQ circuitry is included for standard VHS recording. New digital effects offer an incredible array of functions for scene changes, "strobed" advance and motion with super-imposed stills. Features include right-to-left and center-to-edge wipes, plus fade outs. Live sequences can be digitally "strobed" for greater visual impact. Live action and still images may be combined.

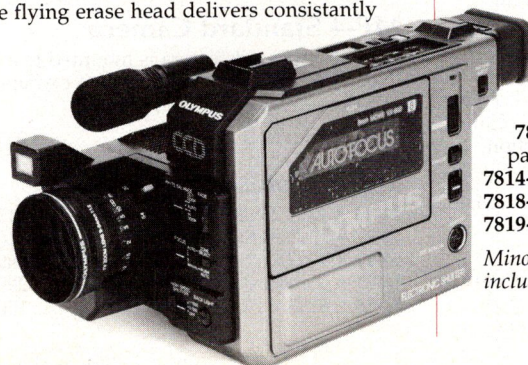
The flying erase head precisely joins new and old images for clean transitions. The minimum light level for standard recording with the high resolution 1/2" CCD is 7 lux and a digital gain booster lowers the sensitivity to 1 lux illumination. An additional recording speed allows recording for up to 8 hours.

The 8.5-68mm (8x ratio) f1.2 power zoom lens utilizes an active infrared beam for fast autofocus. A macro mode allows you to get extremely close to your subject. Exposure is automatic and a backlight override control is included. Sports action or other types of fast moving subjects may be recorded at any of three shutter speeds (1/250, 1/500 and 1/1000th sec.) allowing clear slow-motion, still-frame or still-frame advance to be shown on playback. Other features include rotating black-and-white 2/3" electronic viewfinder, auto white balance, auto date/time recording, Index/Address Search System VISS/VASS and unidirectional electric condenser microphone. 6.6 lbs. 16-1/4x9x4-5/8".

VX-S405 • VHS camcorder 1,995.00
VF-BP7 • 2 hr. battery 67.00
VF-BA8 • AC adapter 260.00
VF-BC-5 • Car battery adapter 17.00
VF-KG1 • Character generator 195.00

Olympus VX-802 Movie 8

A 1/2" CCD sensor and four rotary heads deliver images of exceptional clarity in this autofocus camcorder. For scene transitions, the flying erase head delivers consistently



smooth, noise-free edits. A high-speed shutter permits crisp slow-motion recording. Automated from start to finish, you benefit from auto white balancing, autofocus w/ manual override and auto exposure. The 9-54mm f1.2 zoom features power zoom control and macro focusing. Accessories include a VHF cable adapter for easy direct-to-TV hook-up, AC power adapter/battery charger and TV playback converter, 1-hour battery, shoulder strap, audio/video adapter and cords, antenna adapter and 30 min. tape. 3.3 lb. w/ battery and cassette.

VX-802 • Movie 8 camcorder 1,295.00
VF-BP81 • Nicad battery 35.00

Sony CCD-V5

This 8mm video Handycam comes with a 6 to 1 (12-72mm f1.6) macro zoom AF lens that has a lux rating of 9. It has a built-in superimposer to overlap titles while you shoot. Includes case.

CCD-V5 8mm camcorder 1,195.00



Sony CCD-V9

The Handycam Pro is one of the most full featured cameras on the market. With its high resolution chip (380,000 pixels), low light capability (5 lux) and variable shutter (1/60 to 1/2000 second), you will find why this 8mm video camcorder is the choice of the pro and advanced amateur.

CCD-V9 8mm camcorder 1,599.00

Minolta 8100 Master Series 8

The 8100 AF is an incredibly lightweight (2.4 lbs.) 8mm camcorder with low light (7 lux) sensitivity, flying erase head for great-looking edits, high speed (1/1000 sec.) shutter, and slow motion playback capability. Features 9-54mm f1.4 autofocus zoom lens. The Master Series 8 includes 8mm

camcorder with battery, AC adapter, charge base, RF adapter, shoulder strap, A/V cord, earphone & tape.

2935-129 • 8100 Master Series 8 1,250.00
7814-610 • One hour battery pack 40.00
7814-710 • Two hour battery pack 68.00
7818-410 • Remote controller 12.00
7819-320 • Car battery adapter 75.00

Minolta USA 2-year limited warranty included.

Sony Video Editing Equipment

If you want to create better video tapes for business presentation or home movies, Sony's 8mm editing system is the most affordable on the market. The advent of new high resolution formats has not dimmed 8mm advantages. In the compact formats, 8mm still offers the smallest size with the longest playing time. The heart of the system is the Sony RM-E100V Editor, combine this with certain 8mm camcorders (those listed above in the diagram) and any VCR with a "Control L", "Control S", "Remote Pause" jack (check your instruction manual or look at the back of your unit) or with any VCR with infrared remote control! Please call us if you have any question of compatibility between your equipment and the RM-E100V. Your current home or office audio equipment may be added to the system for additional sound sources and for even more control of video and audio quality, see page 62 for optional processors.

RM-E100V Remote Editor

Turn your living room into a video cutting room with this affordable electronic editing controller. The RM-E100V gives your home video movies and your broadcast recorded tapes a professional look. By linking 2 optional VCR's, the editor/controller allows full insert or assemble editing. Up to 8 scene positions may be programmed into the controller's memory, then previewed prior to final recording. Edit 8mm to 8mm, to Beta or select VHS machines with infrared remote control (using optional RMT-E1V remote controller).

RM-E100V • Remote editor 175.00

KV-1380R Stereo Remote Television

Now you can get all the best features of a 13" portable television and listen in stereo! This TV is ideal as a editing monitor with the RM-E100V editing controller. Featuring built-in MTS (Multi-channel TV Sound) stereo decoder, the 1380R lets you get the most out of contemporary broadcasts and prerecorded video tapes. It also delivers excellent picture contrast with the black tinted Trinitron tube that absorbs most ambient light. The new PanFocus™ Gun transmits clear, crisp images with excellent center-to-edge sharpness. With full VHF/UHF tuning plus 125-channel cable reception. Other features include a automatic program timer and timed channel block, right/left line inputs for direct audio and video hook-up, sleep timer, on-screen display and remote controller.

KV-1380R • 13" color television
w/stereo & remote 410.00

New! RMT-E1V Remote Controller

Now any VCR with infrared remote capability can be used with the RME-100V editor! This unit plugs into the editor and sends infrared commands for play start/stop, pause, fast forward, rewind and record start/stop.

RMT-E1V • remote controller 108.00



Sony Headphones

MDR-S30V • Digital headphones,
16-22,000 HZ frequency response,
volume control, uni-match plug 30.00

MDR-CD6 • Music monitor headphones,
an incredible 2-25,000 HZ frequency
response, uni-match plug 89.00

Sony 8mm VCR's

Like their ultra-compact camcorders, Sony offers three compact 8mm recorder/players that are fully compatible as play or record units in the Sony editing system. The control L jack allows full remote operation with the RM-E100V editing controller. All three offer direct TV playback and TV recording of up to 2 hours of video material. Each unit features AFM (audio frequency modulation) circuitry for excellent monoraul sound up to 70db of dynamic range with virtually inaudible wow and flutter. whenever a tape is inserted and the recorded track is automatically found, so no adjustment is necessary even with tapes recorded on other 8mm machines. The top-of-the-line EV-S1 also offers 2 or 4-hour video recording, full stereo sound and 12-hour digital audio-only recording. All three units offer the flying erase head for insert and assemble edits without electronic noise. To maintain image quality in editing all units feature an edit switch to maximize picture quality in second generation images. All have convenient carry handles for room-to-room, or home-to-anywhere transportation.

EV-S1 8mm Stereo VCR

This is Sony's top 8mm VCR with a fantastic selection of features packed into an extremely compact case. Only 11" wide, this unit has 152 channel coverage with 99 channel presets. EV-S1 tuner features MTS stereo reception and SAP reception for bilingual broadcasts. The timer is automatically addressed when the timer panel is opens allowing simple programming of up to 3 events over 2 weeks. Whether your recording from your TV (monaural or stereo), from another player or recording up to 12 hours of digital audio-only the EV-S1 with 4 heads delivers high quality on compact 8mm tapes.

Record 2 or four hours of program material. Audio-only recording in PCM digital stereo delivers nearly the same sound quality as compact disc. The EV-S1 also features theatre sound with pre-recorded 8mm tapes. If your television is monaural,

the stereo audio signals may be routed through any home audio system. With this deck, you may add PCM digital audio tracks to previously recorded home or business tapes. Best of all the EV-S1 links with the RM-E100V editor for full control during editing of home or business video tape. Playback features include clear freeeze-frame, slow motion (1/5, 1/10) and frame-by-frame advance. Fast forward and double speed fast forward also lets you scan recordings with sound for quick searches. The RMT-437 remote commander gives you 10-key direct acces channel selection, channel up/down search, and power control. It also provides recorder/player control with record, playback, picture search, slow motion, double speed and freeze-frame/pause control functions. The unit may be powered by standard 110V AC or used with 12V DC car adapter (optional) for viewing and taping on the road. Accessories included the (2) antenna connectors; removeable carrying handle, and AC cord.

EV-S1 • 8mm stereo VCR 795.00
DCC-S1 • 12V DC car adapter 90.00
LCH-S1 • carry case 135.00

Compact Player/Recorders

Small in size and light in weight, the EVO-210 and EV-C8U player/recorders offer excellent video performance for up to 2 hours using compact 8mm cassettes. In addition to standard AC operation, these units may be used with a 2-1/2 hour rechargeable battery or adapted to a car battery for tape viewing on the road. Crystal clear freeze frame, high-speed search, remote connector for use with RM-E100V editing controller. RF adapter, Antenna switch, antenna adaptor, and 6 feet of 75 ohm coaxial cable with F-type connectors are included. Earphone jack included. 3 lbs. 5 oz., 6-7/8x2-7/8x6-3/4".

EVO-210 • 8mm recorder/player,
silver 475.00
EV-C8U • 8mm recorder/player,
black 475.00
NP-22 • Rechargeable battery pack 32.00
ACP-88 • AC pack/battery charger 100.00
BCA-80 • charger adapter f/ACP-88 45.00
DCC-16AW • car battery cord (12-24V
DC) 10.50

Sony XV-C700 Video Multi-Color Corrector

The XV-C700 video color corrector lets you correct for color imbalance and use color "wipe" transitions between scenes - with a 15 pattern selection in 8 different colors. You can also do audio mixing for creative soundtrack effects. Built-in negative/positive conversion lets you transfer film negatives to video. Includes video and/or audio fades, gamma, hue, and color controls, color corrector with joy stick, audio mixer with mike, line, and source inputs, color bar generator, phase corrector and video switcher.

XV-C700 • Multi-color corrector 580.00

Sony XV-T600 Video Picture Computer

The XV-T600 and the CCD scanning device copies small flat artwork, text, even photographs. You can modify your scanned image with colors, then superimpose it over your previously recorded video tape. The XV-T600 has 2 video inputs/outputs, 2 stereo audio inputs/outputs. An optional track ball allows you to draw your own images for even more creative control.

XV-T600 • Picture computer 490.00
GB-6 • Track ball, allows user to create line drawings using the XV-T600 108.00

Sony XV-T500 Digital Video Superimposer

The XV-T500 stores a video title or image in memory, then lets you color or shade it and superimpose it back on your video scene. It also provides built-in audio mixing capability. When used with a camera as a video source of your title, the XV-T500 will allow you to store a title and fade in/out or superimpose it over your image or over 8 different color backgrounds while dubbing (2x video inputs/outputs, 2x stereo inputs/outputs).

XV-T500 • Digital video super-imposer 425.00

Sony XV-D300 Digital Effector

This brand new digital field memory device will capture a still frame from tape, zooms to/from 1/9th screen, mosaic (pixilized) art, picture art (solarized), & "strobed" motion (step motion) effects. make sports videos or training films more informative with memo effect. This feature shows 9 individual still or stepped motion images per screen with "memo" effect. Includes video input/output, stereo input/output, RF input/output.

XV-D300 • Digital effector 250.00

Vidicraft DET-400 Detailer IV

The Vidicraft Premium series of processors enhances broadcast or taped material on large-screen TV's or during editing. This unit also is excellent for serious video editing this unit provides sharpness & detail controls, VNX noise reduction, electronic digital video/audio switcher, audio noise

reduction, horizontal & vertical sharpness controls, black noise reduction. Includes 4 video inputs/outputs and 4 stereo inputs/outputs.

DET-400 • Detailer IV 375.00

Vidicraft DET-300 Detailer III

This unit offers many of the same features as the DET-400 across a narrower range. Includes sharpness & detail controls, VNX noise reduction, black noise reduction, video/audio switcher. Includes 4 video inputs/outputs and 4 stereo inputs/outputs.

DET-300 • Detailer III 240.00

Vidicraft SEG-200 Special Effects Generator

Put a little Hollywood into your tapes with cuts, wipes, fades to black or colors, colored mattes in circles, ovals, squares, diamonds, & angles with soft or hard edges. Includes 2 video inputs, 1 video output, stereo input/output and black-burst output.

SEG-200 • Special effects generator 475.00

Vidicraft AVP-100 Audio/Video Processor

Clean up video sharpness & detail and eliminate noise with VNX circuitry. Also features electronic digital video/audio switching, audio noise reduction, luminance, color & hue controls. Includes 4 video inputs/outputs, 4 stereo inputs/outputs.

AVP-100 • Audio/video processor 415.00

Unomat LX-801 AC Video Light

This light includes the latest lighting technology with an automatic light output control. When working close-up, this feature reduces the light output as the distance between the subject and the Unomat decrease. Light output also decreases when existing light increases. Instead of glaring light, your subject is treated with the right light for more natural videos. This control function may be turned off for a constant 300W light output. Other features include a cooling fan that extends lamp life, an adjustable hand grip, a color temperature/safety glass for 5600° Kelvin light output, and a 75°, 5-step vertical swivel for indirect lighting. Unit includes camera mounting hardware and a threaded tripod socket. 110-130v AC operation.

LX-801 • AC Video light 149.00

VDO-Pak L9000 VDO-Lite

Versatility in power sources allows this light to serve as a powerful AC light (250W) for long shots and an effective battery-powered (75W) light for close-ups. A quick change of the lamp through an easy access door and switch in power cables are all it takes to switch sources. The L9000 has a double-braced camera mount, preset spring drag and independently controlled angle lock. Includes safety glass.

L9000 • VDO-Lite AC/DC 135.00

VDO-Pak L6000 VDO-Lite

This light features a small round body for lightweight performance. Excellent for smaller cameras, the L6000 has a single support arm with angle adjustment. Includes safety glass. Puts out 50 watts of light with standard 12V DC connection.

L6000 • VDO-Lite 51.00

VDO-Pak Rechargeable Battery

Compact nicad battery pack, 6.5Ah, runs camcorder for 3-5 hours or 50 watt light for 1 hour.

VDO-Pak battery 45.00

See pages 18-21 for more video lighting.

Jasco HE+ Accessories

Jasco HE+ home entertainment accessories are manufactured to rigid standards, and feature gold-plated connectors and low-loss shielding cable for improved transmission and reception.

HE8002 • Video cable connector F twist type-4 pack 2.75
HE8003 • Video cable adapter F push type-4 pack 6.25
HE8005 • 300 ohm to 75 ohm matching transformer 3.35
HE8006 • 75 ohm to 300 ohm matching transformer 1.65
HE8007 • 75 ohm video cable ext. adapter 2 pack 2.40
HE8008 • RCA male plus-4 pack 3.35
HE8009 • Video cable wall plate 3.50
HE8010 • RCA female to RCA female adapter 3.10
HE8014 • Stereo headphone adapter plug kit 4.70
HE8015 • RCA male to 2) RCA female Y adapter 1.85
HE8016 • Mini stereo male to 2) RCA male Y adapter 3.20
HE8113 • Stereo headphone redi cable kit 10.25
HE8155 • 3 ft. F to F cable 4.75
HE8156 • 6 ft. F to F cable 6.80
HE8157 • 15 ft F to F cable 7.50
HE8158 • 25 ft. F to F cable 10.90
HE8159 • 50 ft. F to F cable 14.80
HE8168 • Stereo/video redi cable w/6 ft. coax cable, 2) RCA mini adapters, 1) RCA to RCA adapter 7.80
HE8173 • Stereo/video redi cable w/6 ft. double RCA to RCA cable, 2) extension adapters 5.50
HE8176 • Universal VCR dubbing kit 11.75
HE8177 • Video/stereo redi cable kit w/3 ft. coax cable, 1) F to F extension adapter, 1) F to F RCA plug 9.00
HE8178 • Video/stereo redi cable kit w/6 ft. coax cable, 1) F to F extension adapter, 1) F to F RCA plug 10.00
HE8179 • Add-a-set redi cable kit 50.00
HE8222 • 2-way video signal splitter 4.00
HE8224 • 4-way video splitter 8.00
HE8241 • Video A/B switch 15.00
HE8252 • Video switcher-6 input 80.00
HE8280 • Signal splitter w/75Ω input 6.00
HE8290 • Signal splitter w/300Ω input 6.00
HE8693 • Slimline Beta/VHS cover 10.00
HE8694 • Universal VCR cover 10.00

Bescor Universal Camera Power Supply

This accessory adapts older 10-pin VHS cameras for direct hook-up to contemporary VCRs or camcorders. Includes audio (stereo, too) and video hook-ups.

10-Pin universal power supply69.00

Bescor RF adapter

Adapts any camcorders audio and video to RF output for TV playback. Also converts computer output to RF signal.

Bescor RF adapter32.00

Azden WMS-20 II Audio Remote Transmitter/Receiver Set

Add realism to your video recording with this 2-band remote microphone transmitter and receiver set. Receiver plugs into microphone jack. 100 ft. range. Includes 1 clip-on and 1 hand-held microphones.

WMS-20 II Transmitter/Receiver Set ...120.00

Tenba Video Bags

Built with the same quality and ruggedness as their line of camera bags, these Tenba video bags will protect your equipment from the bumps and dings of everyday use. Constructed of 1/2" high density closed cell foam with a cordura outer shell and a nylon inner shell. All stress seams are double stitched and all top corners are quadruple stitched. The carrying strap is made from 3,000 lb. test nylon and has a non-slip pad sewn on. It is secured to the bag with welded D rings. Tenba bags are guaranteed for 5 years against everything but loss and deliberate destruction. They are available in black or gray.

- V1 • Video bag, 12x7x5" (f/Sony Pak 8, JVC GR-C7, GR-C9)59.00
- V8 • Video bag, 13-1/2x8-1/2x6" (f/8mm camcorders, VHS-C camcorders)69.00
- VP • Video bag, 15x9x4-1/2" Matsushita VHS, Beta camcorders)59.00
- VH • Video bag, 16-1/2x10-1/2x7", Hitachi VHS camcorders)69.00
- V212 • Video bag, 11x10-1/2x4-1/2" (f/2 piece units)69.00
- VM • Video bag, 13x14-1/2x6" (f/Sony Handy-cam)59.00

Lowe Pro Video Action Pac I

This high quality pack provides protection for your 2 piece video system 3 ways! It can be used as a shoulder bag, luggage type carrying case, or as a backpack.

Video action pac I139.00

Kenco KDP-01 Telecine DP Adapter

Allows you to transfer 35mm or 110 slides to video through your camera. Includes format holders and color correction filter.

KDP-01 Telecine DP Adapter95.00

P.A.V.E. Wide Angle Adapter

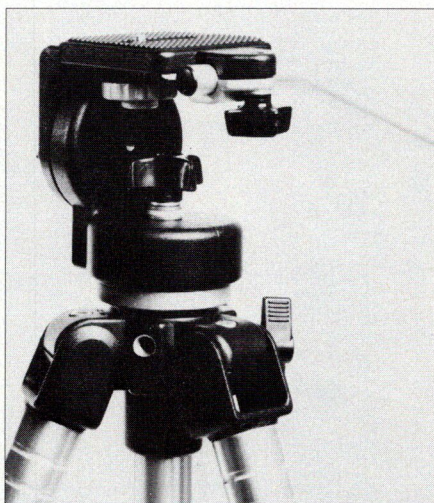
Get a new angle on video photography! The P.A.V.E. wide angle adapter triples the size of the picture area without distortion. Its remarkable depth-of-field keeps elements in the scene in focus no matter how far away they are from each other. Fits on video cameras with macro capability and a 58mm filter thread size.

Wide angle adapter125.00
Step-up ring for cameras with filter size less than 58mm (specify size)5.00

Bogen Compact Convertible Video Tripod with Micro Fluid Head

For today's lighter cameras (up to 6 lbs.), Bogen offers the solid support of the 3001 Convertible tripod. For smooth pans and tilts, the 3126 micro fluid head delivers excellent results with continuously variable drag. Like all Bogen tripods the legs are made of sturdy aluminum tubing, while the head is constructed of cast aluminum. Maximum elevation is 60-1/2" and minimum elevation is 16-1/2". 5 lbs.

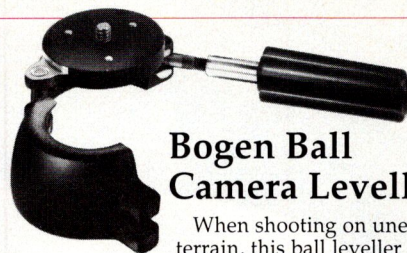
3170 • Compact convertible tripod with micro fluid head87.00



Bogen Sturdy 3140 Tripod with Mini Fluid Head

Business, industrial and school videographers with cameras up to 11 lbs. will appreciate the extra support of this combination. Double-strut and double-braced legs deliver extra stable support. The Mini fluid head features a quick-release plate for fast, safe camera removal and installation. The versatile handle may be positioned on either side or may be separated into two 9" lengths for use on both sides. Vertical drag is continuously adjustable. Tilt range is 45° up and 90° down. Min./max. elevation: 34-1/2-73".

3140 • Sturdy tripod w/mini fluid head194.00



Bogen Ball Camera Leveller

When shooting on uneven terrain, this ball leveller lines the camera up without readjusting the legs. The 2-piece leveller is placed under the regular tripod head. A fluid level is provided for fast adjustment and a locking handle quickly tightens the clamp.

3115 • Ball camera leveller34.00

Bogen Folding Auto Dolly

On smooth surfaces, this dolly lets you follow the action. One centrally located foot pedal releases all three wheels for fast repositioning. The folding dolly has 3" wheels and a radius of 20". When folded it measures 29". When an extremely low camera angle is required, the dolly includes a 3/8" Euro thread in the center for head and camera mounting.

3156 • Folding auto dolly139.00

Bescor Tape Rewinders with Tape Cleaner

Available for VHS and BETA formats, these rewinders include replaceable cleaning rolls. Rewind and fast forward control, auto-stop with audible signal and tape counter.

OK33V, VHS tape rewinder/cleaner39.00
OK33B, BETA tape rewinder/cleaner39.00

Posso Media Box Storage System

Store and organize your compact discs, video tapes and audio tapes in this interlocking storage system. Different types of cases may be interlinked. Add units as your collection grows. Space is provided for individual tape cases. Tapes are stored upright.

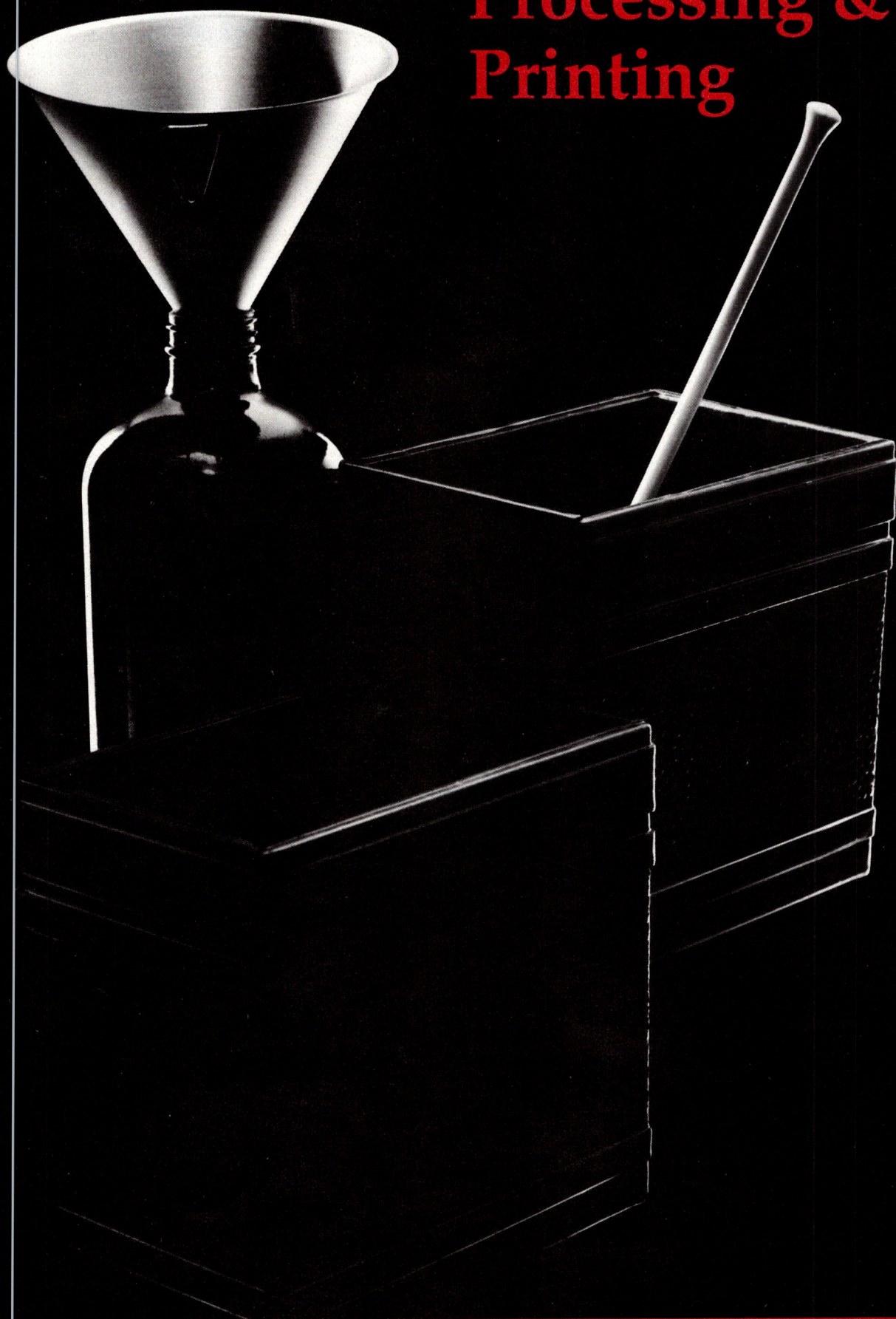
PMB 313 • Media box f/16 audio cassettes11.95
PMB 410 • Media box f/9 VHS or BETA cassettes19.95
PMB 216 • Media box f/13 compact discs13.95

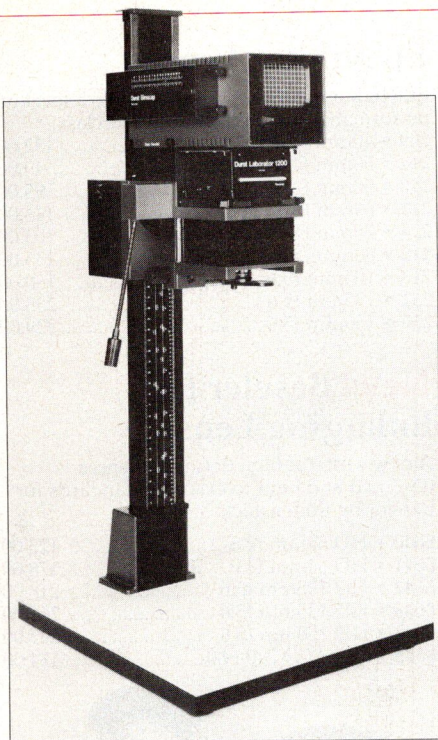
We stock 8mm prerecorded video tapes (movies)!

Hundreds in stock, most priced between \$14.95 and \$29.95! See how good home video can be! Write or call for our complete list of currently available tapes.

We are still a source for 8mm, 16mm and 35mm motion picture equipment and accessories. We have a good supply of Bolex 16mm cameras and accessories. Call the AV Department for details!

Processing & Printing





Durst L1200 Enlarger System

One of the best tabletop 4x5 enlargers made, the L1200 has a precision, heavy duty calibrated column, over-sized baseboard and "periscope" style counter-balanced head movement for smooth, rapid composing and focusing. The focus knob extends for ease of focusing at large magnifications. Features include a book-type masking carrier (supplied with 4x5 glass) and rotating lens stage and head for distortion control and wall projection.

The L1200 is available in four head configurations, each of which provides the extremely even illumination for which Durst is noted.

L1200 w/CLS501 dichroic colorhead, stabilized power supply, 4x5 mixing chamber, 250W quartz lamp.3,625.00

L1200 w/VLS501 variable contrast head f/b&w, stabilized power supply, 4x5 mixing chamber, 250W quartz lamp.3,020.00

L1200 with condenser head, double condensers f/4x5, 150W opal lamp.2,580.00

L1200EM electron micrography enlarger w/variopoint light source, coated condensers f/4x5, 100W point source lamp.5,665.00

Durst AC800 Automatic Enlarger

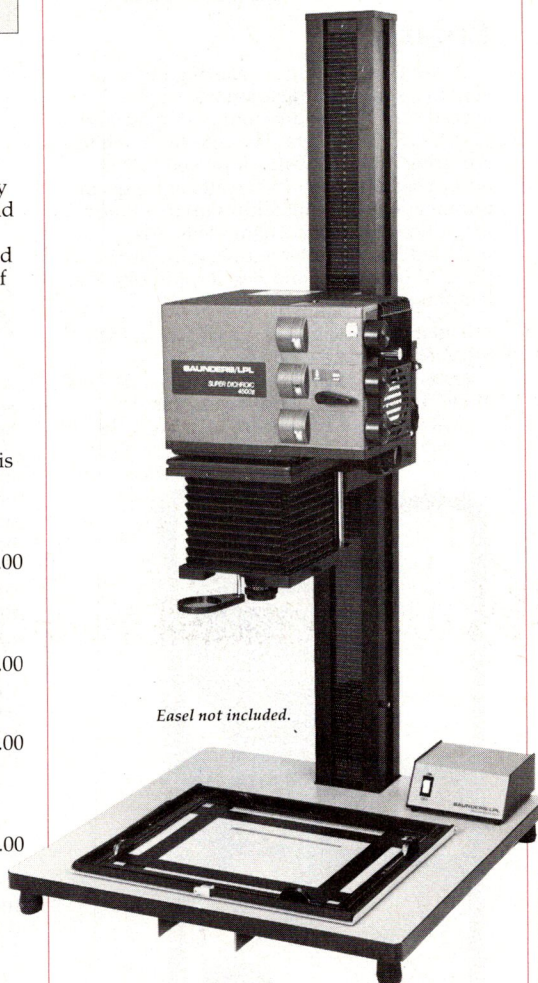
The AC800 is a "mini-printer type" enlarging system for automatic printing of films from 35mm through 6x9cm, color or black and white, transparency or negative. Sensors at the film stage analyze and set color and density simultaneous to the exposure. The computerized memory stores color balance, slope, reciprocity, subject failure and more, allowing it to make instant decisions and thus produce high quality prints on a production scale. The auto set up system includes a built-in reflection densitometer to provide greatly simplified

and accurate calibration of the AC800. The AC800 is available in two versions. The standard AC800 is a manual focus enlarger. The AC800 Elite includes all the features of the AC800 plus fully exposure-integrated autofocus.

AC800 automatic/manual focus enlarger Call
AC800 Elite automatic/autofocus enlarger Call

Saunders 4500-II 4x5 Enlarging System

The Saunders/LPL Super 4500-II enlargers are ruggedly built to provide high quality professional performance. The heavy-duty XL girder provides exceptional stability, while the counterbalanced carriage allows smooth, one handed elevation control. The lamphouse is a modular diffusion illumination system with a 200W/82V lamp, vibration-free cooling fan, 4x5 mixing chamber and voltage stabilized power supply. The Super 4500-II is available in three configurations.



Easel not included.

Saunders Super Dichroic 4500-II

This configuration provides stepless dial-in color filtration up to 200cc in precise 1cc increments. An attenuator dial reduces light output by two-thirds allowing additional aperture/time flexibility. A white light lever allows full illumination focusing.1,299.00

Saunders 4500-II Variable Contrast/Constant Exposure (VCCE)

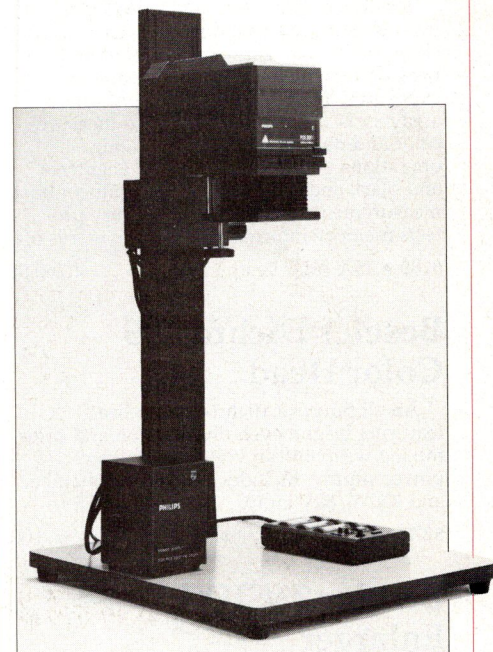
This configuration allows dial selection of contrast grades when used with papers such as Ilford Multigrade and Kodak Polycontrast. An integrated neutral density filter keeps exposure times constant throughout the contrast range.1,279.00

Saunders 4500-II Black and White Diffusion

This configuration provides basic high output diffused light for standard black and white printing.1,099.00

Saunders Accessories

Glassless, hinged sandwich type negative carriers (specify format)51.95
4x5" universal glass carrier96.00
39mm threaded lens board20.00
50, 52, 53mm threaded lens board (specify)21.00



Philips PCS2000 Tri-Color Enlarger

A color enlarging system featuring three lamp additive color, narrow band dichroic filters, diffusion printing, remote control unit with built-in voltage regulator and electronic enlarging timer. Comes with universal masking carrier with glass inserts, heavy duty base board, lamps, and 35mm and 6x6 mixing chambers.

Special!

Only a limited quantity available at this price.

\$560.00

Call the Darkroom Department at 312/421-6000 for accessories on these and other enlargers.



Beseler/Minolta 45A Color Head

This micro-processor controlled color head uses pulsed flashtubes as well as a true closed-loop analyzer/exposure system to provide extremely accurate, repeatable exposures. The built-in digital controller/analyzer is easily programmed to measure color and density as well as allowing operations with color slides and negatives and black and white, including multicontrast measurements. Built-in nicad battery protects memory information when power is off.

8289 • 45A color head 1,760.00

Beseler Dichro 45S Color Head

An all purpose, dichroic color head featuring bright, even illumination and color mixing with built-in voltage stabilized power supply. Includes 4x5 mixing chamber and 250W/82V lamp.

8278 • Dichro 45S color head 660.00

Beseler 23CIIXL Enlarger

The 23CIIXL is a medium format enlarger which accommodates film sizes up to 6x9cm. It features a sturdy double girder XL chassis, oversize baseboard, and variable condenser lamphouse with filter drawer and 150W lamp.

8004 • 23CIIXL condenser enlarger 347.00

8185 • Dual dichro S color head 384.00

0000 • 45A colorhead adapter f/23C 100.00

Beseler 45MXT Chassis

The new rugged 45MXT chassis has a newly designed lens stage that accommodates standard Beseler lens boards as well as the optional new three lens turret. Includes double-girdered frame, oversized baseboard, motorized elevation control and under-lens filter holder.

8220 • 45MXT chassis 630.00

8121 • 45M condenser b&w lamphouse 254.00

8540 • Adjus-Table (adjustable height floor stand for 45MXT) 198.00

New! Beseler 810 8x10 Adapter for 45M Series Enlargers

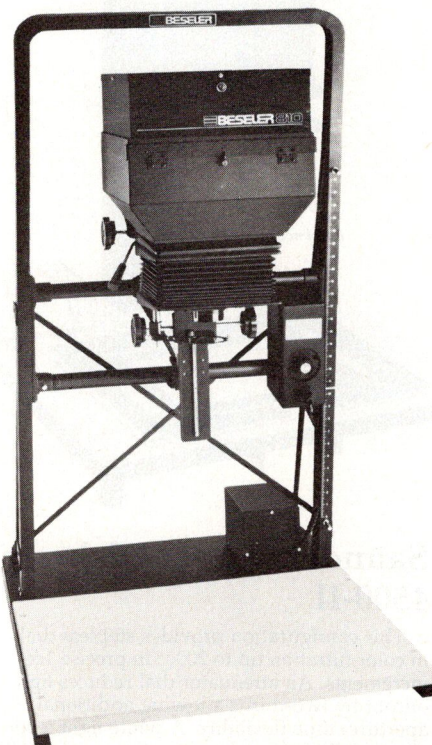
A complete package consisting of a new negative stage/illumination housing, a special cold light source and both glass and glassless 8x10 carriers. The cold light, while requiring only 120 watts of power, has an output equivalent to 1500 watts of tungsten illumination. The unit allows up to 3 times magnification with a 240mm lens. Also included is an adapter allowing the use of the 45M condenser and Beseler/Minolta 45A lamphouses.

810 adapter package 1518.00

810MXT complete with

chassis and 8x10 package 2,079.00

31x36" oversized XL base board (fits over standard base board) 100.00



EL Nikkor Lenses

EL Nikkor enlarging lenses provide a level of performance unsurpassed in their class.

209 • 40mm f4.0 W.A.	132.00
214 • 50mm f4.0	49.00
210 • 50mm f2.8	95.00
211 • 63mm f3.5	143.00
224 • 75mm f4.0	103.00
212 • 80mm f5.6	133.00
213 • 105mm f5.6	160.00
251 • 135mm f5.6	238.00
252 • 150mm f5.6	329.00

New! Beseler HD Enlarging Lenses

A new series of high definition lenses designed and built to exacting standards for Beseler by Rodenstock.

8640 • HD 50mm f2.8	125.00
8641 • HD 80mm f4.0	178.00
8642 • HD 105mm f5.6	218.00
8643 • HD 135mm f5.6	261.00
8644 • HD 150mm f5.6	293.00
8645 • HD APO 240 f9.0	414.00



Aristo Grid Cold Lights

Available in models to fit most enlargers, Aristo Cold Lights offer some significant advantages for those who prefer a diffusion light source. No heat means no negative popping. The evenly diffused long life lamp means greater printing speed with no more hot spots and much less print spotting. The difference in print quality over a condenser head, especially in tonal range and gradation, can be impressive. Prints done with a cold light show an unmatched brilliance of tone.

OM67 • fits Omega 6x7 132.00

OMB22 • fits Omega B-22 128.00

BES67 • fits Beseler 67 138.00

BES23 • fits Beseler 23C 132.00

D2 • fits Omega and Beseler 4x5's 118.00

Beseler collar needed to use D2 on

Beseler 45M 17.00

Aristo Contactor 1200

Some electronic timers are sensitive to the slight voltage surge produced with a cold light source. The Contactor 1200 is a 1200 watt relay that plugs in between your timer and cold light, protecting the timer while maintaining its precise control. 75.00

Aristo Solid State Dimmer

Full solid state smooth rotary action provides infinite control of intensity levels over the entire range of your cold light. Also features a second adjustment for setting minimum brightness level.

D750 • Solid state dimmer 74.00

Magna-Sight Enlarger Focuser

The Magna-Sight is an "image focuser", allowing focusing on any area of the projected image from corner to corner, not just in the center. The large mirror and lens provide an extremely bright image for establishing sharpness and locating dust spots. 32.00

Micro-Sight Grain Focuser

The Micro-Sight is a "grain focuser" for absolute critical sharpness, with a large, high quality, triple element achromatic lens, air-suspended hairline reticle and Mikrodor Superbrite mirror for bright sharp images. It has a large, wide, flat-field viewing area. 53.00

Mini-Sight Enlarger Focuser

The Mini-Sight is a slightly smaller version of the Micro-Sight with the same high quality features. Perfect for the amateur, student or beginning darkroom technician. 18.50

Thomas Scoponet

The Scoponet is a precision focusing magnifier with a 20 power flat field eyepiece for quick and easy grain focusing. It has a durable high-impact plastic body and front surface mirror. 30.50

Domke Optiks

These high quality optical focusing aids are the same ones that have been sold under the name "Micromega".

Model I Critical Focuser

This model employs Kellner's loupe and a mirror of 86mm in length. Since the loupe portion is arranged to allow swinging, focusing is possible within the range in which the optical axis of the enlarger lens forms an angle of about 30° with the optical axis of the loupe. Model I has an aluminum die-cast body in high-class black paint finish.

2000 • Critical focuser 218.00

Model II Grain Focuser

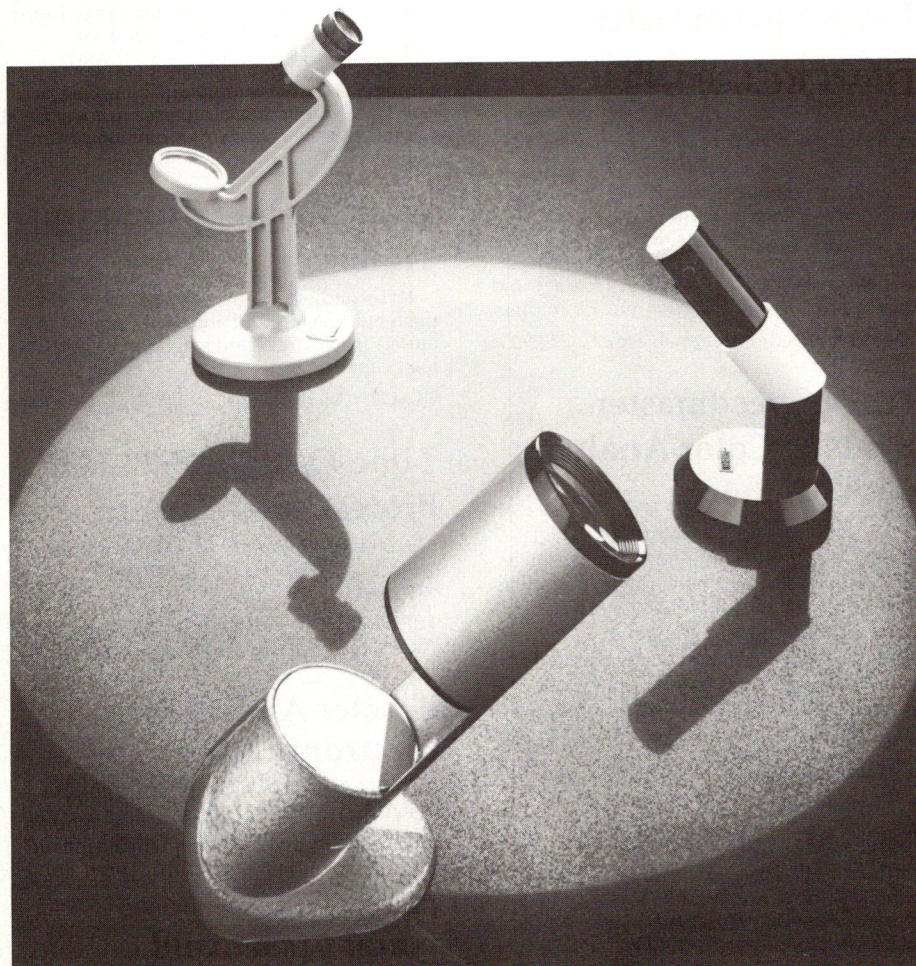
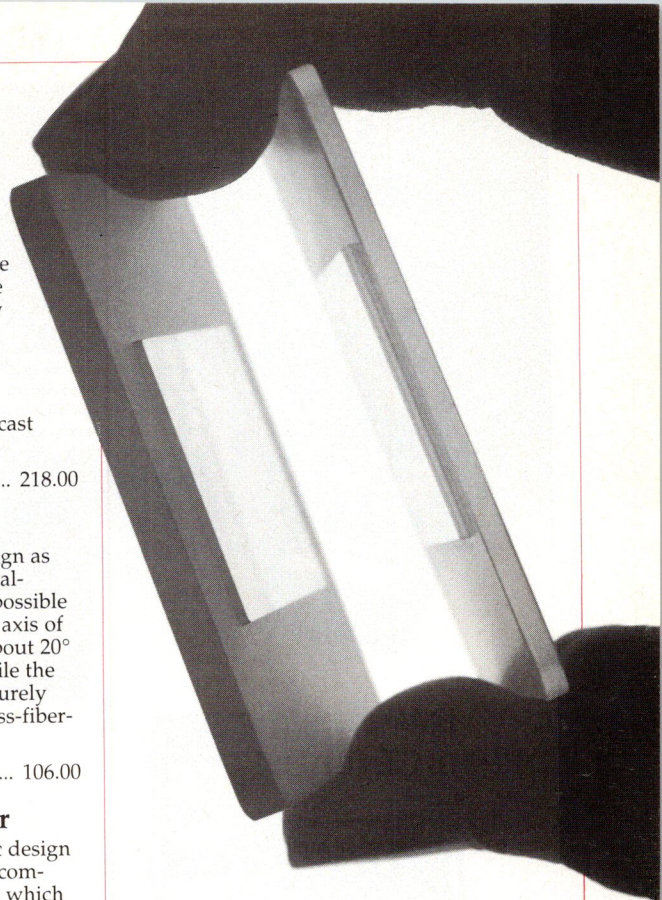
This model has the same basic design as Model I. Through the use of the special-design wide-field loupe, focusing is possible within the range in which the optical axis of the enlarger lens forms an angle of about 20° with the optical axis of the loupe, while the loupe and pattern plate are being securely fixed. For the body of this model, glass-fiber-impregnated resin is used.

2020 • Grain focuser 106.00

Model III Enlarger Focuser

This model also has the same basic design as Model I and II. Focusing can be accomplished smoothly within the range in which the optical axis of the enlarger lens forms and angle of about 10° with the optical axis of the focuser.

2030 • Enlarger focuser 78.00



New! Minit Mask

A revolutionary new method of contrast control for making Cibachrome prints, internegs, slide dupes or any process where contrast is a problem! Minit Mask allows you to make an ideally unsharp highlight mask in one step with no additional materials or processing and virtually no registration problems.

With the Minit Mask and your electronic flash, a grainless silver mask of appropriate density can be made in as little as 60 seconds! No additional darkroom work is required. The Minit Mask is made in ordinary room light with no chemicals.

Because Minit Mask is slightly thicker than a normal carrier glass, it is available unmounted or already mounted in selected negative carriers. It is also available with a piece of anti-newton cover glass. Minit Mask will help you realize significant savings in time as well as cost over conventional masking materials.

MM35PLAN • 35mm plain	
w/anti-newton glass	215.00
MM35RA • 35mm w/raised center	
section f/mounted 35mm slides	263.00
MM35BS • 35mm in Beseler 23C	223.00
MM35BB • 35mm in Beseler 45M	223.00
MM35OM • 35mm in Omega D	255.00
MM45PL • 4-1/8x5-1/8" plain	399.00
MM45FN • 4x5" f/ Durst L1200	
Femoneg	399.00
MM45FNAN • 4x5" f/Femoneg	
w/anti-newton glass	439.00
MM45BS • 4x5" in Beseler	479.00
MM45BSAN • 4x5" in Beseler	
w/anti-newton glass	535.00
MM45OM • 4x5" in Omega D	519.00
MM45OMAN • 4x5" in Omega D	
w/anti-newton glass	559.00
MM45OMR • Replacement f/Omega	
glass carrier	399.00
MM45BSR • Replacement f/Beseler	
glass carrier	399.00



Jobo Colorstar Color Analyzers

Colorstar analyzers allow you to measure and correct all three basic filtration colors simultaneously simply by cancelling the lighted LEDs. Interchangeable memory modules allow storage of as many programs as necessary. The Colorstar also functions as your timer, thereby simplifying one more step in the printing process. The probe allows for both integrated and spot readings. Print from slides or negatives at the push of a button. Each Colorstar comes with one memory module.

Jobo Colorstar 1000 w/9 LED "star", probe, or e memory module 848.00
 Jobo Colorstar 2000 w/36 LED "star", digital countdown timer, slope control, automatic exposure time calculation, probe, or e memory module 1,168.00
 Colorstar memory module 49.50

Jobo Comparator 2

Black and white exposure analyzer with 7 stop/100 second exposure range, lighted time scale and LED paper grade measurement. 79.95

Eseco Speedmaster M100M Exposure Meter

Accurate black & white on-easel exposure meter with fiber optic probe and 10 f-stop exposure range, 0.001 to 1.0 footcandle sensitivity range and 4" illuminated meter reading in seconds and density units.

M100M • Speedmaster meter 465.00

Eseco Speedmaster SM800 Color Analyzer

Precision digital color analyzer with bright alpha/numeric digital display, .0001 to 40 footcandle sensitivity range, .18 to 143 second/8 stop exposure range, low profile 4" fiber optic probe. LED display reads out in three modes: exposure times in 1/10 second increments, cc color units or the stored program in the digital memory. The SM800 is voltage stabilized and has an accuracy and repeatability of ± 1 cc in color and 1% in time.

SM800 • Speedmaster analyzer 1,090.00

Eseco Speedmaster SM1400 Color Analyzer with Memory

All the same quality features of the SM800, plus a 15 f-stop programming range and .4 to 300 second timing range. It also has 8 dial selected, non-volatile memory channels for 8 separate programs. A "program verify" feature assures accurate monitoring and readout of the program entered. The SM1400 has a color accuracy of ± 0.1 cc and a timing accuracy of 1/2%.

SM1400 • Speedmaster analyzer 1,635.00

GraLab 300 Timer

The popular, standard processing timer with large 8" luminous dial. Times up to 60 minutes in one second increments. Minute and second hands are luminous for easy

tracking in the dark. Includes a time/focus switch, two 750 watt outlets for enlarger and safelight, and end of cycle buzzer.

GR300 • Timer 79.00

GraLab 450 Timer

A solid state electronic timer with adjustable 2 digit 1/2" LED display, click-stop setting dials, end of cycle tone and metronome audio features. Timing in two ranges from 0.1 to 9.9 and 9 to 99 seconds. 600 watt capacity.

GR450 • Timer 99.00

GraLab 505 Timer

Precision timer with quartz crystal accuracy, 5 digit adjustable LED display, timing range of 0.1 seconds through 59.9 minutes, four audio options, two 600 watt outlets with independent controls and key-set time input.

GR505 • Timer 129.00

GraLab 525 Timer

All the features of the 505 plus 2 channel programmable memory.

GR525 • Timer 139.00

GraLab 900 Multi-Channel Timer

Solid state electronic timer with 8 programmable memories plus display memory. Channels can operate independently or interact with each other. Four programming options in each channel. Timing range from 0.1 to 59.9 minutes, 59.9 seconds. Two independently programmed 1000 watt outlets.

GR900 • Multi-channel timer 265.00

GR560 • Footswitch for GraLab timers (except 300) 17.00

Time-O-lite M-72 Master Timer

60 second electro-mechanical timer with push button start and automatic reset. Two outlets for enlarger and safelight. 750 watt load capacity.

TLM72 • Master timer 76.50

Time-O-Light P-72-60S Professional Timer

A 60 second timer with 1000 watt load capacity, two outlets and footswitch receptacle.

TLP72-60S • Professional timer 119.00

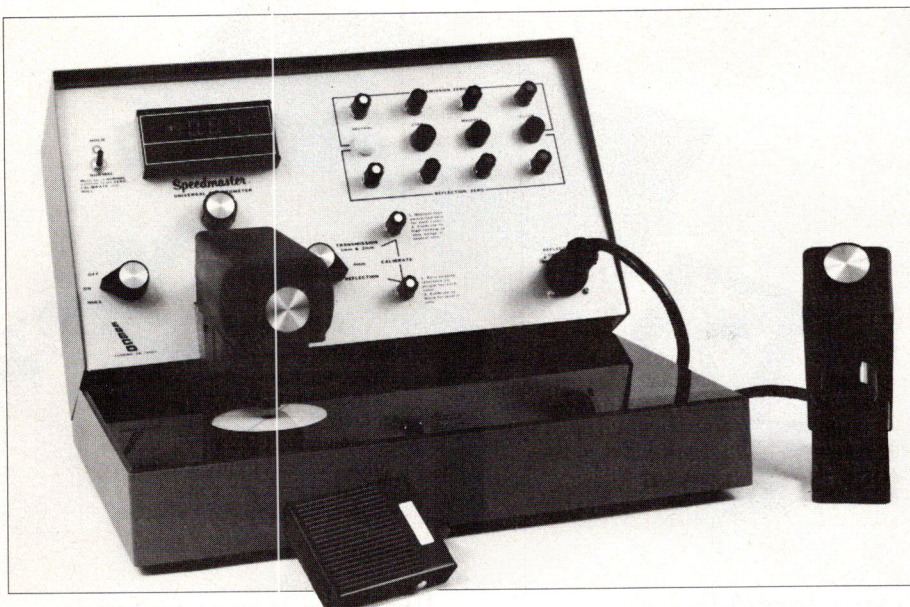
FS59 • Footswitch 18.00

Beseler Audible Electronic Timer

A durable electronic dial-set timer with switchable metronome "beep", two 500 watt outlets, footswitch plug and rugged metal cabinet.

8177 • Audible timer 92.00

8179 • Footswitch 28.00



Eseco Speedmaster TRC-60DP Duo Densitometer

A combination color densitometer with separate heads for reflection and transmission, electronic zeroing and aperture sensitivity control. Hands-free constant pressure footswitch operation in transmission mode. Program null feature for presetting density/color corrections. Internally voltage stabilized. Calibration wedges included. Density range 0.00 to 4.00 transmission, 0.00 to 2.50 reflection.

TRC-60DP • Densitometer 1,680.00

Eseco Speedmaster Mini-90TR Compumaster Duo Densitometer

A transmission/reflection densitometer that reads all color and density values at once, computes the math and displays the actual EP2 and C41 control values automatically. Push-button auto zero and calibrate, ± 0.01 density accuracy, status A and M. 2,460.00

Photronix Delta III Black & White Densitometer

An affordably priced densitometer that is ideal for zone system work. Offers density ranges to 3.0 and a 2mm aperture. Accuracy is assured to ± 0.03 density units. Two year manufacturer's warranty. 319.00

X-Rite 810TR Transmission/Reflection Densitometer

Ideal for one-hour and mini-labs, the 810TR incorporates transmission and reflection into a single reading head, selectable at the push of a button. Extremely compact and easy to use. Each step is menu prompted on the LED display to take you through the appropriate procedure. Features

include automatic and manual color selection, status A reflection, status M transmission responses, RS232/Technet interface (cable optional), density difference functions.

810TR • Densitometer 2,345.00

811TR • Densitometer (w/status A & M transmission) 2,795.00

Contact the Professional Darkroom Department at 312/421-6000 for more information on densitometers.

X-Rite 820TR Transmission/Reflection Densitometer

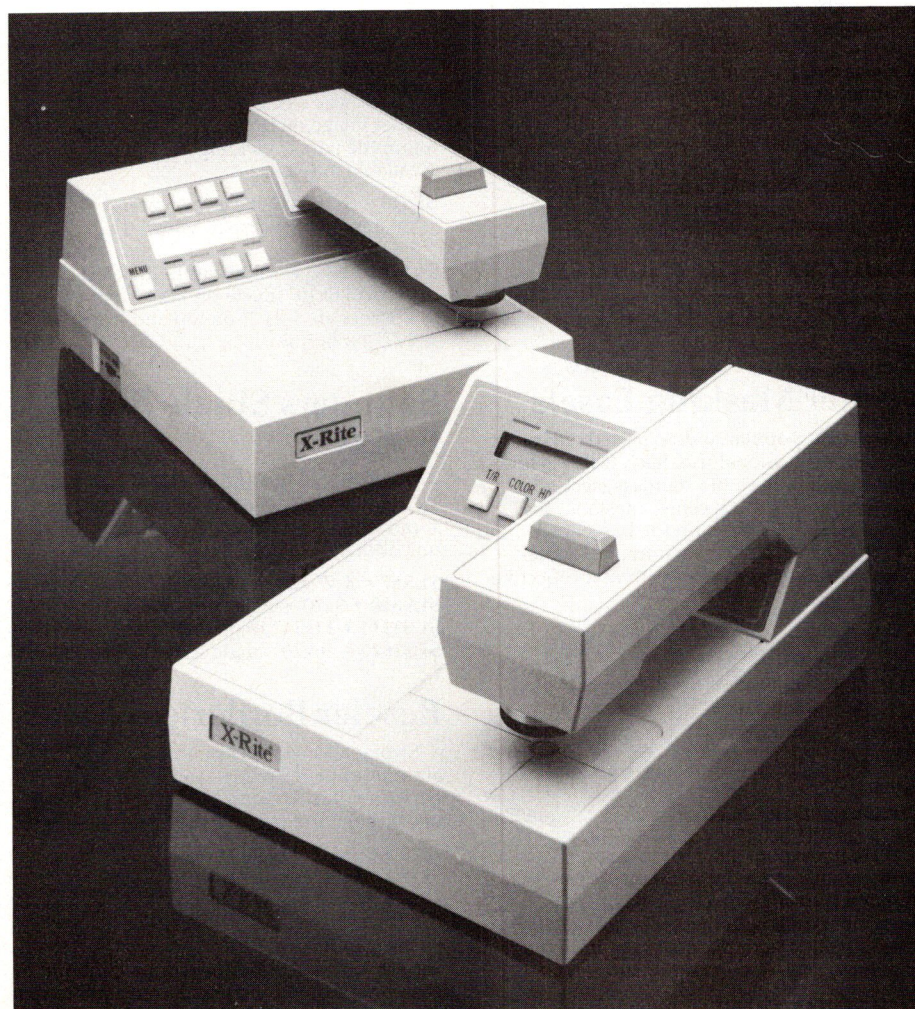
The state of the art in quality control for the professional lab. As well as all the features of the 810TR, the 820TR includes simultaneous reading and display of color and density, and built-in data for C41, EP2 and E6. The 820 will automatically calculate and display the appropriate value ready to enter on your process control plot. When connected to a four color plotter, the 820TR will automatically plot out up to the last 30 control strips read, thereby even eliminating the need to manually plot. Fully Technet compatible, the 820 can be fitted with additional memory or a modem for networking between labs. Truly one of the most advanced process control tools available.

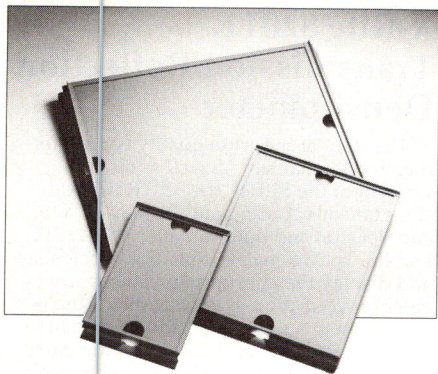
820TR • Densitometer 3,195.00

X-Rite Four Color Plotter

A four color electronic plotter that connects directly to your 820TR Densitometer. This plotter, made by Facit, will automatically plot your quality control graphs, in Kodak Y55 format, with the information generated from your control strips by the 820TR. Since the 820 will store up to 30 control strip readings, a simple, menu-prompted procedure allows you to plot out complete trends while eliminating arduous manual plotting.

820-77 • Four color plotter 640.00

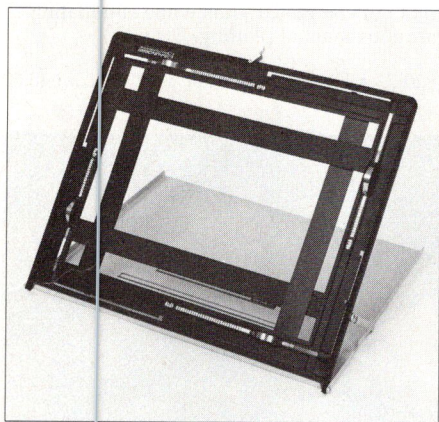




Speed-ez-el

Speed-ez-els are compact — no longer than the paper itself to give you the optimum opportunity to shift the paper on the baseboard. Provides even 1/4" borders all around. Border flange holds paper flat. Non-skid foam rubber base.

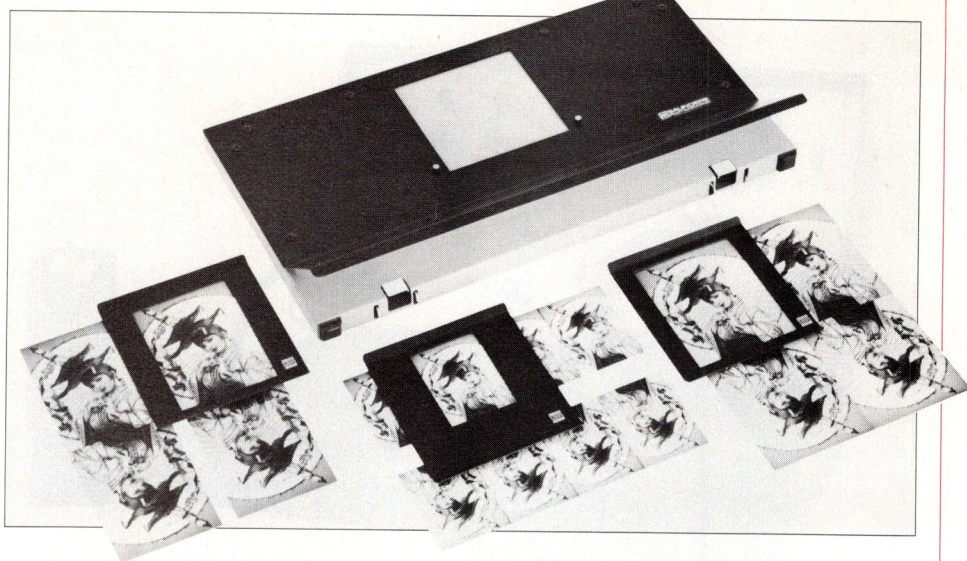
SE3-1/2 5 • 3-1/2x5" Speed-ez-el	12.75
SE45 • 4x5" Speed-ez-el	10.00
SE57 • 5x7" Speed-ez-el	15.25
SE810 • 8x10" Speed-ez-el	16.95
SE810SP • 8x10" full-frame 35mm Speed-ez-el	16.95
SE1114 • 11x14" Speed-ez-el	21.25
SE1620 • 16x20" Speed-ez-el	55.00



Saunders Four-Blade Center Masking Easels

The most popular and respected enlarging easels in professional use. Each features four individually adjustable stainless steel masking blades. With center masking, the easel remains centered on the baseboard regardless of print size or format. Double-baked, focal yellow finish with non-reflective black blades.

U1417 • 14x17" universal 4-blade. The standard professional easel. Blades mask to 11x14". Blade assembly snaps out for 14x17" single-size, 3/16" bordered format.	108.00
UA1114 • 11x14" universal 4-blade. Heavy-duty pro-lab easel with knob-actuated friction drive blade controls.	165.00
UA1620 • 16x20" universal 4-blade. As above for 16x20" paper. 1" high base.	299.00
UA2024 • 20x24" universal 4-blade. As above for 20x24" paper	425.00



Saunders/Michrist Borderless Multi-Print Easel

Capable of making multiple prints on a single sheet of 8x10" paper without moving the easel. Tough, stable steel construction, finished in black and grey with non-skid base. Supplied with masks to make 4) 4x5", 4) 3-1/2x5" and 8) wallets.

BMP810 • Borderless multi-print easel	167.95
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New! Saunders Salon Easels

Single size easels which print a fixed format image on the next larger size of photographic paper, yielding wide borders. Available in two sizes.

SE810 • 8x10" salon easel - centers a 5x7" image on 8x10" paper, with 1-1/2" borders.	39.95
SE1114 • 11x14" salon easel - makes a vertical 8x10" image on 11x14" paper. Borders are 1-1/2" on top and sides, 2-1/2" on bottom.	43.95

Saunders Single Size Easels

Holds paper flat and produces an even 3/16" border. Sturdy, non-skid base prevents slipping and allows for rapid loading and unloading.

SLS57 • 5x7" single size easel	26.35
SLS810 • 8x10" single size easel	31.95
SLS1114 • 11x14" single size easel	33.50
SLS1620 • 16x20" single size easel	79.95

Beseler Borderless Easels

Strong all-metal easels with anodized aluminum paper guides and adjustable paper holders. Unique "finger-lift" notches make removing paper quicker and easier.

8508 • 8x10" borderless easel	17.00
8511 • 11x14" borderless easel	27.00
8516 • 16x20" borderless easel	52.00

Premier Paper Safes

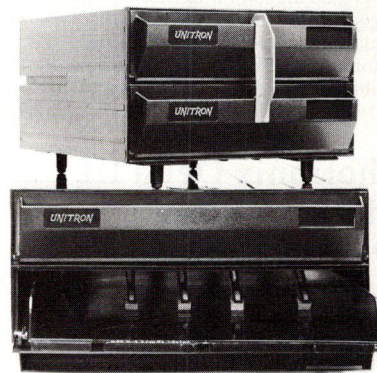
Each holds 200 sheets of single weight paper. Positive lock. Exclusive "Tilt and Tap" feature fans paper for easy single-sheet removal. Rugged ABS plastic.

PR-811PS • 8-1/2x11" paper safe	17.00
PR-1216PS • 12x16" paper safe	21.00
PR-1620PS • 16x20" paper safe	34.00
PR-2024PS • 20x24" paper safe	42.00

Premier Adjustable Paper Safes

Designed to save time and prevent costly paper spoilage. Doors open with fingertip pressure for instant access and close automatically when released. Adjustable shelf-dividers. Comes with printed self-stick labels for identification of different paper types and sizes.

PR-P2301 • 8x10" adjustable paper safe	48.00
PR-P2302 • 11x14" adjustable paper safe	63.00



Unitron Paper-Matic Safes

These unique paper safes automatically dispense one sheet of paper at a time. They work with any type of single or double weight paper, RC or fiber-based. Made of tough ABS plastic, these units can be stacked for extra space.

8x10" double drawer paper safe	29.95
11x14" double drawer paper safe	37.50

Eseco Economy Electric Easel

The cost-efficient way to quickly produce a large number of prints. These easels use roll paper instead of high-priced single sheets. Precalibrated in 1/10" increments, the controlled paper advance is operated by just pushing a button. Paper advance is precise +/-1/10". A full front access door allows for quick paper changing. Light safe in a darkroom lit with a 25 watt white light. 275 ft. paper capacity. The E358 accepts 3-1/2 to 8" paper widths. The E3511 accepts 3-1/2 to 11" paper size.

E358 • Economy 8" roll easel	776.00
Masks for E358, bordered or borderless	.66.00
E3511 • Economy 11" roll easel	975.00
Masks for E3511, bordered or borderless	74.00
FS35 • Foot switch for E358 and E3511	39.00

Eseco Speedmatic Roll Paper Easel System

A rugged, heavy duty easel built for lasting service for large volume printing. Standard for 275' paper rolls (modifiable for 500' feed, 350' take-up) and available for 11", 16", 20" and 30" paper widths with a variety of mask sizes and configurations in bordered and borderless. Paper advance sets quickly and positively in 1/2" increments (1" on EE-20 & EE-30).

EE-11 • Accepts paper widths 3-1/2 to 11"	2,340.00
Standard masks f/EE-11 (specify size)	93.00
EE-16 • Accepts paper widths 3-1/2 to 16"	3,120.00
Standard masks f/EE-16 (specify size)	105.00
EE-20 • Accepts paper widths 8 to 20", includes 20x30"/20x24"/20x16" combination mask.	3,510.00
EE-30 • Accepts paper widths 16 to 30", includes 30x40"/30x30"/30x20" combination mask.	4,680.00

Eseco Electronic Timer/Counter Accessory for EE Series Easels

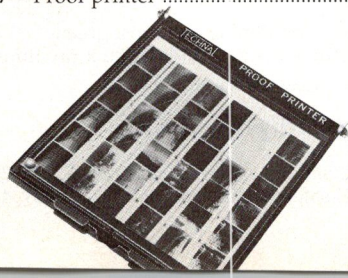
Accurately controls exposures and advances paper after each exposure. The three decade backlit timer is accurate to within 1/20 of a microsecond over the full range of .1 to 99.9 seconds. Counter records number of exposures and can be set for up to 999 repeat prints. (Factory installed - must be ordered at same time as easel.)

ETC1 • Electronic timer/counter	780.00
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Technal Proof Printer

Durable metal bed with foam rubber lining accommodates 8x10" paper. Heavy glass cover plate has bronze split-clips on frame to hold film strips in place.

1887 • Proof printer	28.00
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Paterson Contact Proof Frames

Impact resistant plastic base with foam base pad and glass pressure plate hold film and paper securely in contact to guarantee a sharp proof on 8x10" paper. Built-in negative slots ensure fast, straight positioning of film. Available in two versions, for 35mm or 120.

619 • 35mm Contact Proofer 6 strips of 6 frames	43.95
620 • 120 Contact Proofer 4 strips of 3) 6x6 frames	43.95

Paterson Proof Printer/Document Easel

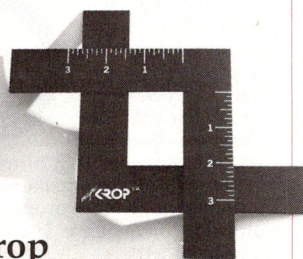
Slightly larger than the contact proofer, will hold film or artwork up to 10x21". Hanging slot on back permits horizontal copying.

623 • Proof printer/document easel	45.50
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Magna Krop

These amazing magnetic devices make cropping a breeze! Once the desired height is set and squariness has been checked, you slide the top cropping guide along the bottom guide to set width. Amazingly, the magnetic tracking force keeps them in line, yet allows the top guide to slide freely and be repositioned easily! Available in three sizes.

3x3 magnetic cropper	19.00
6x6 magnetic cropper	29.00
11x11 magnetic cropper	39.00



Saunders SuperProofer

A molded plaster proof frame with film channels to hold negatives flat and paper slot for 8x10" paper for superior contact sheet quality. Provides 1/2" border along the side for notations. The 35mm model accommodates 7 strips of 5 frames, while the 120 version holds 4 strips of 3) 6x6 frames.

175-135 • SuperProofer 35	14.00
175-120 • SuperProofer 120	15.00

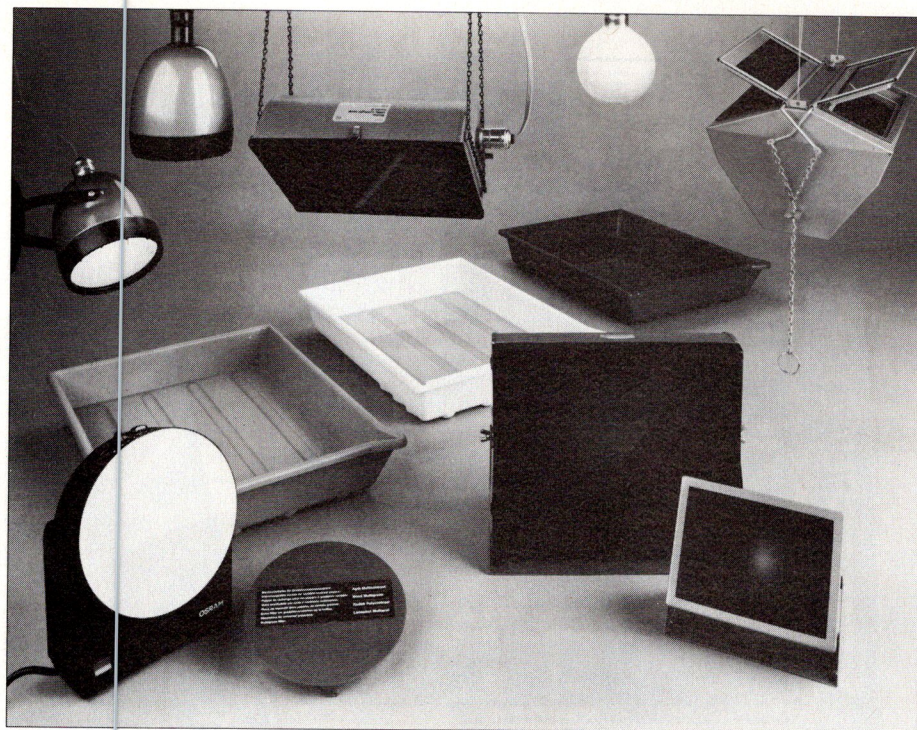


Premier 4-in-1 Easel

This dual-sided easel has perfectly aligned masks (positioned for 1/4" margins) to accommodate the four most widely used paper sizes: 8x10", 5x7", 3-1/2x5" and 2-1/2x3-1/2". No adjustments are necessary. Magnetic latches lock securely to keep paper from shifting. It has all steel construction with special focusing base and rubber feet.

PR-ME41 • 4-in-1 easel	25.00
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Call the Darkroom Department at
312/421-4000 for more information on
easels and proof frames.



Premier Multi-Purpose Safelights

Each model comes with an amber OC filter for black and white, features rugged all metal construction, an on/off line switch and built-in bracket for table, wall or ceiling mounting. The 5x7" version comes with a 15W lamp, the 10x12" with a 25W lamp.

SL57 • Multi-purpose 5x7" safelight 18.00
SL1012 • Multi-purpose 10x12" 56.00

Thomas Duplex Super Safelight

Uses a high efficiency sodium vapor lamp which can make the darkroom as bright as day, but still perfectly safe for most darkroom printing work. The yellow sodium light is in a narrow part of the spectrum that papers are least sensitive to, but to which the human eye reacts strongly. The Thomas safelight hangs from the ceiling by chains (provided) and points up giving soft, reflected light. It uses any standard household outlet for power. Intensity flaps and interchangeable filters allow use of the same safelight for virtually any darkroom need. Model DUB comes with filters for black and white printing plus filters for ortho and most graphic arts applications, while model DUC includes filters for black and white and color printing.

DUB • Duplex safelight f/b&w and ortho work 199.00
DUC • Duplex safelight f/b&w and color work 199.00
LDS • Repl. sodium vapor lamp 79.00

Sandmar Fireball Safelight

The fireball is a specially coated 4-1/2" diameter lamp which provides 360° of darkroom illumination. It fits a standard household lamp socket with a special filament designed to burn up to 2,500 hours. Available in two colors, the amber fireball is

safe for most black and white enlarging papers, while the red fireball is for most ortho, litho and stabilization materials.

SR-FA • Amber fireball 16.00
SR-FR • Red fireball 16.00

Osram Duka 50 Studio Safelight

A sodium vapor safelight with adjustable intensity for color and black and white processing. The 10W sodium lamp has a special control that allows continuous intensity adjustment. Can be mounted on table, wall or ceiling. The reflector tilts for direct or indirect illumination.

OD50 • Duke 50 Call

Jobo Minilux Color Safelight

The Jobo Minilux is the first truly practical safelight for color work. It uses an LED of extremely narrow band width in the yellow-green to provide enough light to work with and still be safe for materials. Turn it on only when you actually need it. It turns itself off when the room lights go on. Battery operated and designed to be worn around the neck for ultimate convenience. Uses two AA batteries (not included).

6410 • Minilux 19.95

Kodak Model D Safelight

A large rectangular safelight with 10x12" illumination surface for all darkrooms. Hangs from chains (provided) for direct or indirect lighting. Optional bracket available for wall or table mounting. Uses standard household current. Requires lamp (not

included); 15W for direct, 25W for indirect use. Also requires 10x12" filter (not included).

141-2261 • Model D safelight 84.95

Kodak Model B Safelight

A cone-shaped, 5-1/2" safelight with bracket that can be mounted on the wall or ceiling for any darkroom. Requires 5-1/2" filter and 15W lamp (not included).

141-2212 • Model B safelight 80.75

Kodak Darkroom Lamp

A 5-1/2" diameter cone-shaped safelight that can be screwed into a standard lamp socket on a drop-cord. Requires 5-1/2" filter and 15W lamp (not included).

152-1178 • Darkroom lamp 26.55

Kodak Brownie Darkroom Lamp Kit

An extremely inexpensive safe light kit for small darkrooms. Includes a base that screws into any standard household light socket and two covers, one amber for use when printing, and one green for use when working with panchromatic films. Comes with a 7W lamp.

111-9981 • Brownie lamp 10.40

Kodak Safelight Filters

Scientifically designed for safelight lamps, they provide maximum safe illumination when used as directed.

OA/greenish yellow- For black-and-white contact and duplicating materials.

OC/light amber- For contact and enlarging papers.

1/red- For some blue-sensitive materials, most phototypesetting materials.

1A/light red- For slow orthochromatic materials and kodalith.

2/dark red- For fast orthochromatic materials, some green-sensitive x-ray films.

3/dark green- For some panchromatic materials.

6B/brown- For blue-sensitive x-ray films.

7/green- For some black-and-white infrared materials.

8/dark yellow- For some Eastman color print and intermediate films.

10/dark amber- For Kodak vericolor slide film 5072, Kodak vericolor print film 4111 (estar thick base), Kodak panalure* and Kodak panalure portrait* papers.

11/appears opaque; transmits infrared radiation- Available only in 5-1/2" diameter.

13/amber- For all Kodak ektacolor* and all Kodak panalure.

ML-2/light orange- Intraoral dental x-ray films.

GBX-2- For all blue and most green-sensitive medical and dental x-ray films.

*Requires reduced bulb wattage.

Please specify filter number.

5-1/2" safelight filter (except nos. 7, 11) .20.40
10x12" safelight filter (except nos. 7, 11) .48.00



Jobo CPP2 & CPA2 Manual Professional Processors

Jobo processors offer versatility, easy operation, consistent results and rugged construction in complete and well-designed systems. Both CPP and CPA feature built-in uni- and bi-directional drum agitation with variable speed control, a tempered, circulating water bath for precise temperature management of both drum and chemistry, and 6 one liter bottles and 4 graduates that lock into place. Both will process prints up to 20x24" and film from 110 through 16x20.

The CPA2 features a single dial temperature control which maintains temperatures to within $\pm 0.2^\circ\text{C}$.

4070 • CPA2 processor 749.00

The CPP2 features a three dial, $1/10^\circ\text{C}$ digital readout temperature system as well as a cold water solenoid for automatic cooling.

4080 • CPP2 processor 1,049.00

Jobo CPE2 Processor

A smaller processor, the CPE2 is perfect for the home darkroom enthusiast. It comes with four 600ml bottles and four graduates, a built-in two speed agitator and single dial temperature set accurate to $\pm 0.2^\circ\text{C}$. The CPE2 will handle prints to 11x14 and film from 110 to 4x5.

4060 • CPE2 processor 333.00

Jobo Lift

Available for the CPP, CPA and CPE processors, the Jobo Lift lets you pour solutions into and drain them out of Jobo tanks and drums without removing them from the processor. (Some tanks and drums may require a Jobo cog (1505) for use on Jobo Lift.)

4072 • Lift for CPP/CPA 135.00
4062 • Lift for CPE 135.00

Jobo ATL-2 AutoLab Automatic Processor

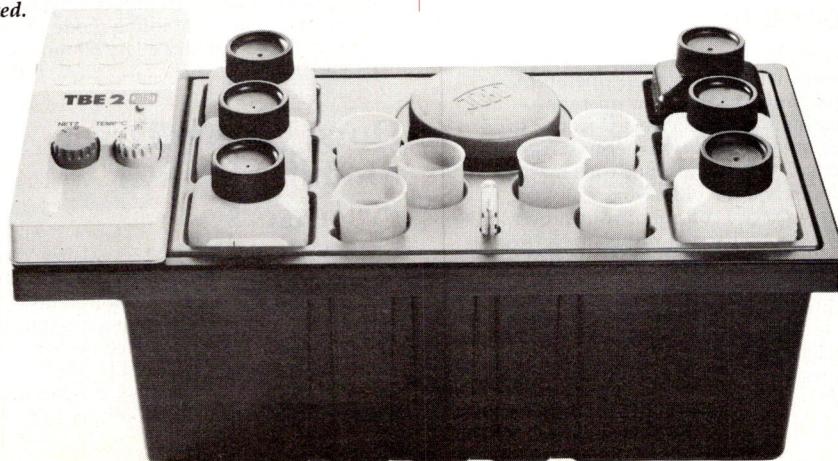
A fully automatic, microprocessor controlled, moderate volume film and paper processor, the ATL-2 holds and tempers 6 one liter chemistry bottles, enough to process up to eight rolls of 35mm film at a time. Ten user programmed memories will accommodate virtually any film or paper process. After pre-loading the appropriate chemical containers, the ATL-2 will automatically inject and dump chemicals and washes while maintaining proper rotation and temperature. The ATL-2 uses the full line of Jobo tanks and drums for film from 110 to 16x20 and prints up to 20x24". The unit has two water connections, one for tempered and one for cold water and uses 110 volts at 515 watts. Comes with two input and one drain hose as well as two sets of one liter bottles.

4160 • ATL-2 autolab 4,395.00

Jobo Prints Drums

2820* • Test drum 22.50
2830* • Drum for 2) 8x10" 30.50

As a Jobo Stocking Dealer, Helix carries the complete line of Jobo equipment and accessories. Call or write our Darkroom Department for information on items not listed.



2840* • Drum for 1) 11x14" 41.50
2850* • Drum for 1) 16x20" 53.50
2870 • Drum module for 2) 8x10" 23.80
3063** • Drum for 1) 20x24" 102.00

Jobo Roll Film Tanks and Reels

1510* • 35mm tank, 1) 35mm 16.95
1520* • Uni-tank, 2) 35mm 17.50
1530 • Tank module, 3) 35mm 11.85
1540* • Multi-tank, 4) 35mm 25.80
1526* • Combo Tank, 5) 35mm film or 1) 8x10" print 29.30
1501 • Film reel, adjusts to 35mm or 120 6.50
1505 • Cog 7.85

Jobo Expert Sheet Film Drums

3003** • Expert drum 5 for 5) 8x10" 178.00
3006** • Expert drum 6 for 6) 4x5", 5) 5x7" 178.00
3360 • Foot pump (helps to remove lids) 22.00

Jobo Long Roll Tanks and Reels

For use on CPP/CPA with lift or on ATL-2 processors. Available for 8 meter lengths of 8mm, 16mm, 35mm, 46mm, 70mm, 126mm, or 127mm film. A reel, tank and film loader are required for each format. Please specify film size when ordering.

8 meter reel 126.00
Long roll film tank** 176.00
Long roll film loader 128.00

* Requires Cog (1505) for use on lifts or ATL-2.

** For use with lift or ATL-2 only.

Jobo TBE-2 Tempering Box

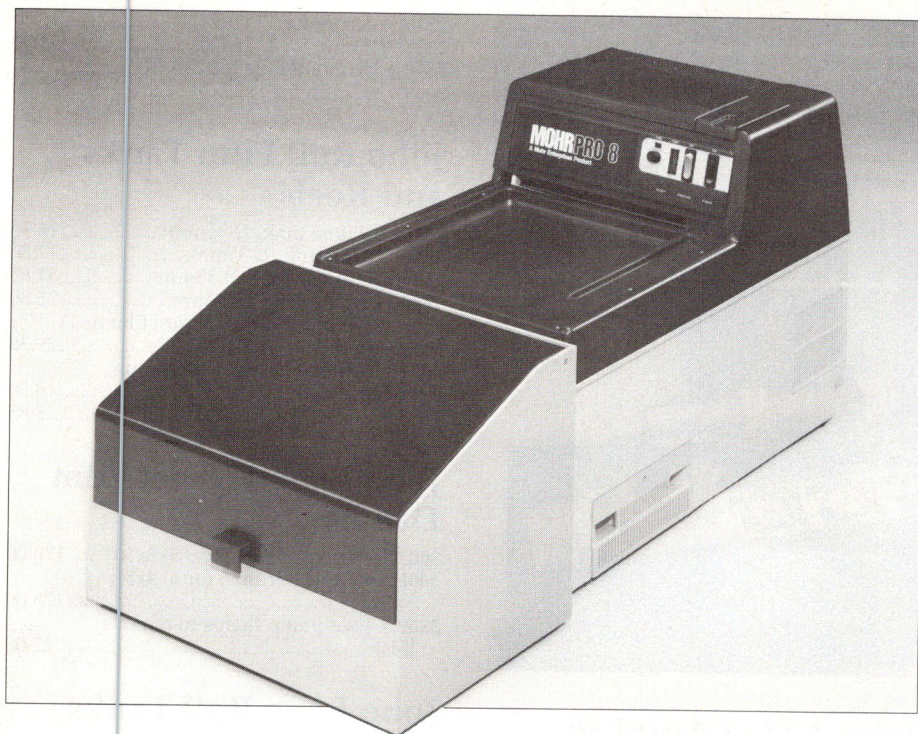
This waterbath keeps accurate, constant temperatures within 0.5°C for stock solutions. It holds 6 bottles of 1000 ml and 6 graduates of 260 ml each and offers working temperatures constant to within $\pm 0.5^\circ\text{C}$. Base area is 12x23 1/2".

3630 • TBE-2 tempering box 249.00

Jobo TBE-2/12

Same as TBE2 but with twelve 1 liter bottles instead of graduates.

3640 • TBE-2/12 tempering box 259.00



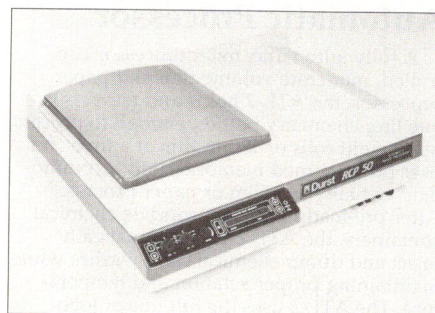
MohrPro 8 Black and White Paper Processor

The ideal processor for the medium volume user, the MohrPro 8 can deliver a dry black and white RC print in as little as two minutes on a continuous basis. Fast start-up with a quick 20 minute bath warm-up and ready indicator. The electronic control module is protected from fumes and accidental spills. To save energy, the MohrPro 8 has a separate main power switch for heating chemistry and a process switch for the roller drive motor. Maintenance is simple with removable color-coded racks and easy-to-clean 3 quart capacity chemistry tanks with rounded corners. The one gallon wash tank is provided with a fresh water plumbing hook up, or use the optional water re-circulation attachment when plumbing is not available. An automatic water safety circuit is built in to prevent overflow in the event of a clogged wash system. Taking up only 15x25" of counter space, the MohrPro 8 requires no special expertise to install. 115V, 8A. 2,995.00

External water re-circulation system 142.00
External chemical re-circulation system 495.00

Durst RCP40VSN Paper Processor

The RCP40VSN is a continuous roller processor with automatic temperature control and variable speed operation. Processing time can be varied from 2 to 25 inches/minute, and two thermostats and two circulating pumps, one each in the developer and the bleach-fix, allow you to maintain precise control of your process. The RCP40VSN will accept prints up to 16x20" with a solution capacity of up to 80) 8x10's. A special hinged lid can be closed immediately after the print is loaded so you can continue printing. Produce up to 80 color or 300 black and white prints per hour. Requires about 2x3' of table space, 120V, 700W. 3,987.00



Durst RCP50 Paper Processor

The RCP50 will handle print sizes up to 20x24". Its microprocessor controlled operating sequence stores 3 fixed color development programs and a variable speed program for black and white. The fixed programs include EP2, EP200 and EP2 RT for Ektacolor and Duratrans and compatible materials. An automatic replenishment system can monitor and restore chemistry from separate replenisher tanks (not supplied) to maintain optimum solution use. High powered re-circulating pumps keep development even and consistent. The daylight lid allows lights-on immediately after a print is loaded. To prevent crystallization, an automatic night idling mode turns the rollers for 12 minutes every 60 minutes. Uses 110V, 1300W. 5,197.00

Durst Washer/Dryer Modules for RCP Processors

The WDM-40 and WDM-50 washer/dryer modules turn your RCP40VSN and RCP50 into "dry to dry" processors. Both units provide complete print washing capability as well as a "cold drying" infrared system. Electronic control is regulated by the operation speed of the processor. Special features include an air suction filter to

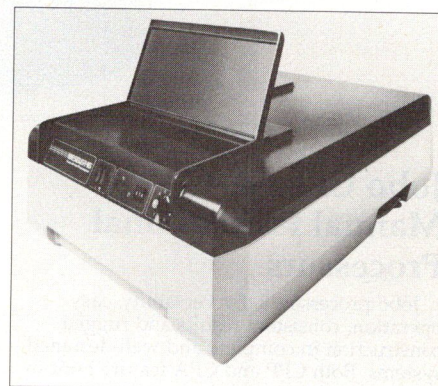
protect against contamination, and independent water pressure and flow regulation. Requires tempered water source and drain facility.

WDM40 • Washer/dryer module for RCP40VSN 2,084.00
WDM50 • Washer/dryer module for RCP50 2,249.00

Durst Measuring Funnels

Put an end to messy fill-ups! These stoppered funnels make manual replenishment of processors a quick and easy task. Plunger type stopper allows no-spills transfer of chemistry. Made of durable polyethylene, graduated in cc's.

90175 • Measuring funnel, 400cc 4.95
90176 • Measuring funnel, 1500cc 6.95



Beseler 16CP Auto Print Processor

The 16CP table-top roller transport print processor will accept print sizes from 3x5" through 16x20". It will handle a number of processes, including Ektacolor and compatibles, black and white RC papers, and Cibachrome. The unit has four processing tanks, each holding only four liters of solution. Two of the tanks, the first and third, each have their own temperature control and re-circulating pumps. The second and fourth can be used as static baths or as running water baths. No additional washing is needed when bath four is used as a running water wash. External, light-proof bottles on the first three baths maintain chemical levels without interrupting the process. Bath two's rack and pump are especially designed for Cibachrome dye bleach. Temperature is monitored via a digital display. Variable speed and temperature allow up to 76) 8x10" color prints per hour. Requires external, tempered water source if wash bath is used. Call

Replenishment Module for 16CP

When attached to the 16CP and appropriate replenisher tanks (not supplied), this module provides semi-automatic replenishment at the push of a button for consistent, high volume processing. Call

Dryer Module for 16CP

Connects to the end of the Beseler 16CP processor to provide true "dry to dry" capability. Plugs directly into the 16CP processor for motive and electrical power. Call



Ilford Cibachrome CAP-40 Processor

The Cibachrome CAP-40 processor is specially tailored to meet the needs of those who have a modest throughput of Cibachrome prints, but nonetheless demand the highest quality results. A table top roller transport processor, the CAP-40 provides fast, easy and convenient processing of Cibachrome-All prints, from 5x7" to 16x20", in 6 minutes. The 3 baths are thermostatically controlled, and each has its own circulation pump, ensuring uniform distribution of the solutions. The three tanks hold 1/2 gallon each of the three Cibachrome P30 solutions plus the DEZ-30 developer additive. This quantity will process approximately 30) 8x10" or equivalent. The processor is easy to fill and empty, and the solutions can also be kept unused in the processor for up to 5 days with no deterioration. The machine will produce approximately 25) 8x10" prints per hour. Because the processor is very economical in its use of chemistry, and does not involve major capital expenditure, it is ideal for dedicated photohobbyists, or even professionals, as well as photographic clubs, small labs, educational institutions and in-house photo departments. 115V, 500W. Call

Ilford Cibachrome Processing Drums

For those who don't want the volume or expense of an automatic processor, Cibachrome print drums offer a versatile, easy to use manual system for processing with exceptional results. Just load the exposed print into the drum in the dark, put on the endcaps, and the rest can be done in room light. Drums are available in three sizes: 8x10 holds 1) 8x10" print, 11x14 holds 1) 11x14" or 2) 8x10", 16x20 holds 1) 16x20" or 4) 8x10". (11x14 is a tube only and requires endcaps from 8x10 drum.)

8x10 Cibachrome drum	15.50
11x14 Cibachrome tube	8.95
16x20 Cibachrome drum	39.50

Ilford Cibachrome Motorbase Agitator

Uniquely designed motorbase for easy, consistent processing with Cibachrome print drums. Accommodates 1) 8x10 or 1) 11x14 drum. Optional extension rods allow extending capacity to 1) 16x20 or 2) 8x10 drums. 55.00

Motorbase extension rods 12.00

Ilford Cibachrome Retouching Dyes

Fade-resistant transparent dyes especially formulated for retouching Cibachrome print and transparency materials. The dyes are solid, water soluble colors which may be diluted for variations in density and mixed for precise color match. Set of 7 colors. ..15.95



Fujimoto CP-30-3H Image Processor

The CP-30 is a desk-top roller feed paper processor capable of processing color or black and white papers in sizes from 5x7" to 11x14". Here is a moderately priced processor for those who don't have need of larger capacity, higher cost machines. Variable speed and three baths, each with its own temperature control and agitation, allow precise control of black and white, EP-2 and even Cibachrome. Temperatures are held at $\pm 0.3^{\circ}\text{C}$. Process time can be adjusted without steps from 30 seconds to 4 minutes per bath (55 to 450mm/min.). After paper is inserted, the paper feed lid can be closed and developing can be carried out in daylight. A paper feed indicator light tells when the print is completely into the first bath so the next sheet can be inserted. Final washing and drying are done separately, outside the processor. The CP-30 has a compact footprint (25x22" of counter space) and is extremely easy to set up. Just fill each of the baths with 2 quarts of the appropriate solutions, set the proper speed and temperatures and, when the thermostat lights indicate the solutions are at temperature, start processing. Each of the three roller assemblies just lifts out for easy cleaning and maintenance. 110V, no plumbing required.

CP-30-3H • Image processor 2,395.00

Polaroid 35mm Auto Process System

This revolutionary system allows you to process and mount 35mm color or black and white slides in less than 5 minutes without a darkroom. When you need instant transparencies from any 35mm camera or scientific instrument with a 35mm back, the Auto Process system is ideal. The processor is lightweight and measures 4.1x3.8x5" and accepts all Polaroid auto process compatible films.

606757 • 35mm auto process starter set, includes auto processor, slide mounter, 25 slide mounts and 2 rolls of Polachrome CS-12 film	125.00
606946 • 35mm auto processor	89.00
606945 • 35mm slide mounter	22.00
606791 • Slide mounts, pack of 100	5.25



Polaroid Power Processor

Discover the speed and quality of Polaroid 35mm transparency films. This motorized processor, designed exclusively for Polaroid 35mm auto process films, offers a fast way to test lighting or make final slides for projection. The system is ideal for preparing slide presentations for business, industrial, or educational materials quickly without the use of a darkroom. AC operated.

608718 • Power processor 209.00

Polaroid Illuminated Slide Mounter

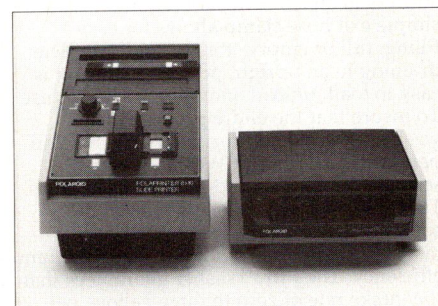
Illuminate your Polaroid film for more convenient mounting. Powered by 4 AA batteries (not included), this mounter allows speedy editing while slides are assembled. This is an alternative to the # 606945 mounter. AC operation is possible with an optional cord.

601221 • Illuminated slide mounter 35.50

Polaroid 8x10 Processor

For processing all 8x10 Polaroid 803, 809, and 891 material. Must be used with film holder and loading tray, AC operation.

607224 • 8x10 processor	675.00
603977 • Film holder	155.00
603978 • Loading tray	99.00



Polaroid 8x10 Polaprinter

Produce brilliant 8x10" Polaroid color prints from 35mm slides in minutes! The Polaprinter, which features automatic exposure control, also offers a useful manual control for exposure adjustments on overexposed and underexposed slides. Slides may be printed full frame or cropped. A filter holder allows for versatility with numerous special effects functions. The system is powered by AC. Uses Polaroid Type 809 or 891 film. Must be used with Polaroid 8x10 processor, film holder and loading tray (not included).

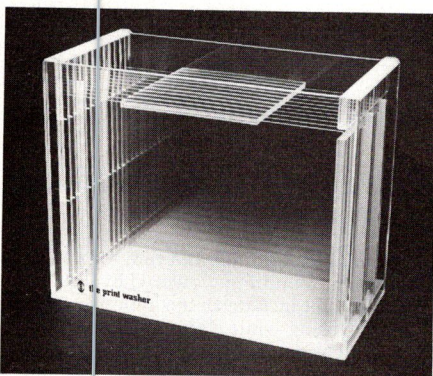
607223 • 8x10 Polaprinter 1,115.00

See page 57 for Polaroid materials.

Paterson Auto Print Washers

The Paterson auto prints washers efficiently wash both fiber-based and RC papers. Prints are loaded into a slotted basket which keeps prints from touching each other. Faucet pressure gently rocks the basket as water continually exchanges. Available in 8x10" or 11x14" capacity sizes. The standard holds up to 12) 8x10" or 24) 5x7" prints. The major holds 12) 11x14" or 8x10" and 24) 5x7" prints.

Standard print washer 105.00
Major print washer 176.00



Oriental Archival Print Washer

The Print Washer is designed to produce archivally clean prints quickly and efficiently. Each unit is individually hand crafted of a clear cell cast acrylic. All corners have been reinforced for added durability. Individual print chambers have been constructed to prevent cross contamination. Each unit is designed to accommodate the serious printers' every requirement. Created for use in the sink or on dry surfaces, no additional attachments are required. A simple exit hose clamp allows for easy filling, full or empty storage, and complete draining in an upright position. The unit is easy to load, unload and reload while in use. To insure that the entire print surface is washed evenly and thoroughly for archival permanence, the Print Washer features scientifically placed and scaled intake holes. The straight down drainage pattern pulls contaminants into a separate floor mechanism that regulates circulation for maximum efficiency. The Print Washer guarantees that the intake rate of zero to three gallons per minute is achieved with ease.

PW810 • 8x10 archival washer, 12) 8x10" 265.00
PW1114 • 11x14 archival washer, 12) 11x14", 24) 8x10" 373.00
PW1620 • 16x20 archival washer, 12) 16x20", 24) 11x14", 24) 8x10" 472.00
PW2024 • 20x24 archival washer, 12) 20x24", 12) 16x20", 24) 11x14" 652.00

Jobo Force Film Washer

Makes film washing easy and economical. With the Jobo Film Washer, you can control the air/water mixture, creating maximum turbulence so that optimal film washing is achieved. Medium speed black and white films are washed to archival permanence in under five minutes. The Jobo Film Washer

fits all Jobo tanks and many other brands, plus virtually all faucets.

3350 • Force film washer 9.95

Premier AquaVac Roll Film Washers

Complete film washing to archival standards in less time with less water. Provides 2-3 complete water changes per minute with a flush and fill system. Accepts standard 4" diameter reels. Two models for 5 or 10) 35mm reels.

PR535FW • AquaVac washer f/5) 35mm 28.00
PR1035W • AquaVac washer f/10) 35mm 37.00

Watson Wat-Air Film Washers

Constant turbulence created by the unit dissolves and bubbles hypo, sludge and scum away in as little as four minutes. Clear plastic and fully self-contained, it comes complete with 30 inches of hose, a built-in water filter and garden hose faucet adapter. Two styles, one for standard stainless steel and one for Paterson style plastic reels.

WA435 • Wat-Air washer f/4) 35mm steel reels 25.00
WA835 • Wat-Air washer f/10) 35mm steel reels 32.00
PA335 • Wat-Air f/3) 35mm Paterson reels 25.00
PA535 • Wat-Air f/5) 35mm Paterson reels 30.00

Kodak Tray Syphon

Attached to a faucet and to the side of a tray in a sink, this device injects water into the bottom of the tray while syphoning off fix-laden water from the top.

147-7231 • Tray syphon 30.00

Kodak Process Thermometer, Type 3

A precision made mercury thermometer with stainless steel sheath for monitoring process solution temperatures. Dual scale, °C and °F, with extended ranges of 12 to 60°C and 55 to 140°F. Highly accurate. Ideal for calibrating other thermometers. Length 12-3/4".

106-4955 • Process thermometer 61.50

Kodak Deluxe Darkroom Thermometer

A fast acting, 10" alcohol thermometer, calibrated in °F and accurate to 1/2 degree.

112-2167 • Deluxe darkroom thermometer 14.00

Kodak Tank and Tray Thermometer

A 4-1/2" thermometer on a stainless steel sleeve with a pivoted spring clip on back to hold it in a tank or tray. Two scales, °F and °C. F scale reads from 30 to 140°.

112-2183 • Tank and tray thermometer ... 9.20

Weston Dial Thermometer

For amateur and professional alike, this all stainless steel thermometer has a 1-3/4" dial and 6" stem. The dial has a clearly defined scale with a range 25 to 125°F and an exclusive MirroBand which eliminates parallax errors. A steel clip attaches it to tray or tank. Accurate to ±1/4° at 68°F.

WS2265 • Dial thermometer 23.00

Beseler Color Dial Thermometer

A precision dial thermometer for critical temperature control of color or black and white chemistry. Large, 2-1/4", glow-in-the-dark dial calibrated in °C and °F. Hex nut at stem base permits easy user recalibration back to factory specifications. Accurate to ±1/2° between 68 and 100°F.

8935 • Color dial thermometer 17.75

Unicolor Unitemp Dial Thermometer

This rugged, stainless steel thermometer is incremented by 1° in both Celcius and Fahrenheit scales. Large, easy to read dial face.

354 • Unitemp dial thermometer 12.00

Flo-Temp Thermometer Well

Check temperature right at the tap with this non-corrosive nylon and brass fitting with built-in water filter. Any standard photographic thermometer with up to 1/4" shaft will fit. Available in black or white nylon.

WA-FLB • Thermometer well (black) 15.95
WA-FLW • Thermometer well (white) .. 15.95

Unitron Universal Self-Cleaning Water Filter

This universal filter was designed to fit the requirements of the amateur or professional photographer who only needs to filter down to 20 microns. This ingenious filter includes all the essential fittings to enable the user to install as a temporary filter on a kitchen faucet or as a permanent part of a processing set-up. Particles are collected on the inside of the filter element. The unit has a flush valve for easy cleaning. This filter has virtually unlimited uses. All machines that circulates water through them require the removal of all foreign particles from the water before entering the machine. The ease by which this filter is cleaned makes it ideal for non-photographic applications around the home, too.



Special! \$14.95

Arkay Chemical Mixer/ Transfer Pump

A 15 gallon pump and mixer constructed of heavy gauge stainless steel with deep drawn tank, and moisture sealed, non-corrosive 6 gallon-per-minute pump. Special valve assembly allows switching from mix to transfer mode without touching chemicals or hose. Eight foot flexible hose and casted storage stand provide for easy transfer and portability. 120V, 2.1 amps.

DCM15 • Transfer pump 445.00



Nikkor Magnetic Mixer

A sealed spinning magnet dissolves darkroom chemicals cleanly and efficiently while keeping oxidation to a minimum. Quickly mixes solutions up to one gallon. Mixing speed is continuously variable from 0 to 3000 rpm. Corrosion resistant, stainless steel construction with solid state speed control. Guaranteed for one year.

600-100 • Magnetic mixer 84.00

Leedal Stainless Steel Graduates

Heavy-duty stainless steel, deep drawn mixing graduates with rounded corners for easy cleaning. Legibly graduated on inside in both ounces and cc's.

GM32 • 32 oz. stainless steel graduate .. 27.00
GM64 • 64 oz. stainless steel graduate .. 25.00
GM128 • 128 oz. stainless steel graduate 53.00

Paterson Graduates

Precision molded, clear polystyrene, cylindrical design. Features both ounce and metric graduations, tip-free base and dripless spout.

9301 • 1-1/2 oz. graduate 3.00
9302 • 5 oz. graduate 3.40
9303 • 11 oz. graduate 4.00
9304 • 22 oz. graduate 5.60
9305 • 42 oz. graduate 8.80

Kodak Graduates

Lightweight, shatterproof polyethylene. Splashproof edge and dripless lip. Clearly

marked ml and ounce graduations on both sides.

147-7272 • 8 oz. graduate 4.60
147-7298 • 16 oz. graduate 5.60
147-7314 • 32 oz. graduate 7.00

Unicolor Mixing Graduates

These 5 oz. graduates are just the thing for processing both color films and papers. Marked in ml's and ounces and constructed of chemically-inert polypropylene.

336 • Mixing graduates (set of 6) 6.00

Paterson Beakers

Molded from unbreakable polypropylene, these beakers have uniform ounce and metric graduations, a ribbed handle for firm grip when wet and anti-tip base. Beakers are oversized to avoid splash.

3909 • 32 oz. beaker 5.40
9310 • 64 oz. beaker 9.60

Unicolor Mixee Cups

Set of 8 graduates with 9 sizes marked in ounces and ml's. Constructed of chemically inert polypropylene.

388 • Mixee cups 7.80

Paterson Stirring Rod

Designed for efficient mixing of all liquid and powdered chemicals. A particle crusher is built into the paddle-shaped end and the ribbed handle will not slip even when wet. Stirrer hangs for convenient storage.

9245 • Stirring rod 4.75

Premier Chemical Storage Tanks

Heavy, translucent polyethylene cylindrical tanks graduated in 1/2 gallon increments. Complete with cover and fast flow spigot. Floating lids optional.

PRT2 • 2 gallon storage tank 17.00
PRT2FL • Floating lid f/PRT2 4.50
PRT5 • 5 gallon storage tank 21.00
PRT5FL • Floating lid f/PRT5 5.00
PRT10 • 10 gallon storage tank 27.00
PRT10FL • Floating lid f/PRT10 5.85

Unicolor Unipak Storage Bottles

These 32 oz. bottles can be used for all color and black and white chemical storage.

520 • Storage bottles (set of 6) 8.00

Kodak Darkroom Apron

Made of tough, moistureproof vinylite. Drip cuff gives added protection to shoes and clothing. Medium, approximately 30x34".

149-9599 • Darkroom apron 14.65

Unicolor Film Drum II Film Processor

The Unicolor Film Drum II will process up to 8 rolls of 35mm or 4 rolls of 120 at a time.

Because it uses using rotary agitation, this system offers economic chemistry use as well as flexibility and consistency. A piston-like cap allows you to adjust the drum for the number of rolls to be processed, thereby using only the exact amount of chemistry needed.

320 • Film drum II 64.00

Unicolor Big Film Drum II Processor

All the features of the film drum II but with capacity for up to 14 rolls of 35mm or 7) 120's. Also includes an accessory film washer.

321 • Big film drum II 112.00
322 • 35mm plastic reel for film drums 6.50
324 • 120 plastic reel for film drums 6.50

Unicolor Unidrum II Print Drums

Unidrum print drums are designed to process color prints in room light using minimum chemistry. The Unidrum can be agitated manually or automatically on a motor base.

308 • 8x10 Unidrum 30.00
310 • 11x14 Unidrum 44.00
312 • 16x20 Unidrum 72.00

Unicolor Uniroller Agitator

The bi-directional agitation of the Uniroller eliminates flow and bromide drag lines often encountered with single direction agitation. Accepts all Unicolor and most other drum processors.

352 • Uniroller agitator base 86.00

Durst Film Processing System

A unique, low cost system of reels and tanks for processing 35mm and 120 film, the durst components are made of durable, impact resistant plastic. The special feature that makes this system one of the easiest to use is the film loader which lets you literally crank your film onto the reel. The loader snaps onto the reel, the film inserts into the loader and turning a small crank winds the film simply and easily on to the reel. Perfect for those who have trouble with stainless steel reels.

90169 • 35mm plastic reel 2.50
90166 • Loader for 35mm 3.95
90170 • 120 plastic reel 2.50
90167 • Loader for 120 3.95
90171 • Film tank for 1) 35mm reel 4.95
90172 • Film tank for 2) 35mm/ 1) 120 6.95
90173 • Film tank for 4) 35mm/ 2) 120 12.95

Special! Durst 35mm Developing Set

Includes: 1 each 35mm reel, 35mm loader, single 35mm film tank, filter funnel, folm squeegee and a pair of film clips.

90177 • 35mm developing set 12.95

Leedal Econotemp

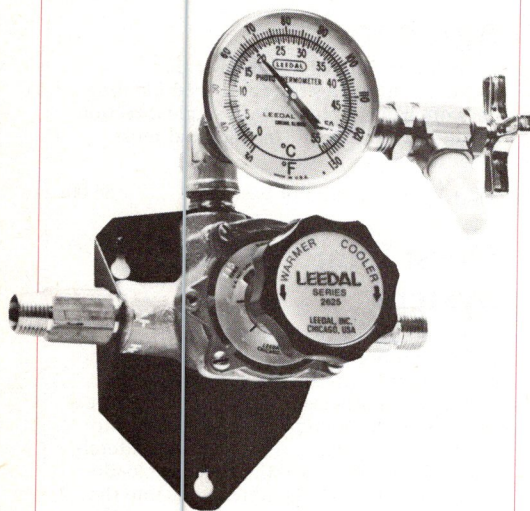
An inexpensive, durable thermometer that attaches directly to your faucet. Large three inch dial thermometer accurately monitors the water temperature, even at low flowrates. Standard hose fitting on input and hose barb on outlet. Swivels for easy positioning.

EP-1 • Econotemp 40.00

Leedal Economix Water Mixers

As true thermostatic mixing valves, the Economix water controls hold to $\pm 1/2^\circ\text{F}$ tolerance over a 60 to 115° range. Easily plumbed (with garden hose fittings, if you like), shipped assembled with large 3" dial thermometer, mounting bracket and check valves. Output adjustable from 1GPM (minimum for accuracy) to 5GPM at 45PSI inlet pressure.

2625 • Economix w/one outlet 215.00
 2625-2 • Economix w/two outlets 245.00
 2628 • Economix - same as 2625 but w/vacuum breaker and stainless steel cabinet, one outlet 290.00
 2628-2 • Economix as above w/two outlets 325.00



Leedal Water Flowmeter

A simple accessory for monitoring how much water is being delivered. Valuable in conserving water or regulating water supply to a processor.

WFM-50 • Flowmeter 38.00

Leedal Water Filters

Durable, reinforced polypropylene filter housing installs easily. 3/4" NPT inlet and outlet with easily replaceable filter elements. Available in two models, for hot and cold.

4440C • Cold water filter w/one element, to 110°F 40.00
 4440H • Hot water filter w/one element, to 160°F 80.00
 4440E • 35 micron filter element 7.75
 4440E6 • 35 micron filter elements, 6/pack 45.00

New! Crystalab Water Demineralization Equipment

Crystalab de-mineralization units can provide a source of mineral free de-ionized water from ordinary tap water. This is of particular advantage in areas where the water supply is very hard or where a source of distilled water is needed. Convenient and easy to use, the units are available with their own attached water container or with a faucet attachment for a more continuous supply. The mechanism in each unit is a bed of exchange resins which completely remove dissolved ionized solids, including fluorides, silica and CO₂. A gradual change of color from blue to brown indicates the degree of resin exhaustion.

Crytalab Deeminac

A handy, portable tap water demineralizer with an attached 32 ounce bottle which provides small quantities of low cost demineralized water instantly whenever it is required. The disposable filter cartridge is easily replaced when exhausted.

D32-6 • Deeminac 13.00
 DA-6 • Filter replacement f/D32-6 9.40

Crystalab DI-3 Demineralizer

For medium volume requirements, the DI-3 is a faucet connected transparent resin filled column with a metal stand. With removable faucet connecting hose at the top and an outlet hose at the bottom, this cartridge allows flow rates up to 20 gallons per hour. Demineralized water can be drawn off as needed by opening the shut-off clamp on the outlet tube.

DI-3 • Demineralizer 78.50
 DI-3C • Replacement cartridge f/DI-3 63.50

Crystalab Aqua-Saq De-Ionizer

The Aqua-Saq provides demineralized water for moderate to high volume needs. It has a flow rate of up to 60 gallons per hour and an operating pressure of up to 125 PSI to temperatures of 100°F. Made of lightweight, high strength PVC tubing with a cast aluminum, inert coated housing held pressure tight with hand knobs for easy, rapid filter change; includes a wall mounting bracket. Furnished with nylon fittings and OM-50 Ionimeter for instant quality check. 29" high.

AQ4-24 • De-Ionizer 239.00
 FSB-424 • Replacement cartridge f/Aqua-Saq 72.25

Paterson Developing Trays

Molded from strong, chemical resistant, heavy-duty polypropylene. Ribbed bottoms provides rigidity and prevent prints from sticking to the tray. All trays have an extra large pouring lip for less chemical splash. 5x7, 8x10 and 12x16 sold in sets of three with one each red, white and buff colored trays.

5x7 tray, set/3 6.35
 8x10 tray, set/3 8.75
 12x16 tray, set/3 20.00
 16x20 tray, (white) 14.00
 20x24 tray, (white) 36.00

Cesco-Lite Developing Trays

Fully seamless white, heavy weight, high impact plastic tray with high corrosion resistance. 3" deep, flat bottom.

CL810T • 8x10 tray 4.75
 CL1114T • 11x14 tray 8.00
 CL1620T • 16x20 tray 16.00
 CL2024T • 20x24 tray 28.00

Cesco Dimple Bottom Trays

3" tray with raised dimples on bottom.

CLDB810 • 8x10 dimple bottom tray 4.95
 CLDB1114 • 11x14 dimple bottom tray 7.95

Cesco-Lite Deep Hypo Trays

5" deep flat bottom trays for fixing or washing.

CL11H14 • 11x14 deep tray 20.00
 CL16H20 • 16x20 deep tray 28.00
 CL20H24 • 20x24 deep tray 40.00

Unicolor 7 Piece Darkroom Accessory Kit

This kit includes two plastic print tongs, two stirring paddles, two film clips and one film squeegee.

823 • 7 piece accessory kit 9.50

Jobo Darkroom Funnel

Chemical and break-resistant plastic, this 12 cm diameter funnel is perfect for all your chemical needs

3343 • Darkroom funnel 2.85

Kostiner Steel Print Tongs

A deluxe set of 3 numbered, stainless steel print tongs that will not damage the most sensitive of emulsions. Slight pressure holds the print and any excess pressure will release the print. Acrylic wall mount included.

SST • Steel tongs 16.65

Bamboo Print Tongs

A set of three tongs, rubber tipped for sure gripping action of wet prints. Color coded ends to prevent contamination.

BTB3 • Bamboo tongs 2.95

Jobo Darkroom Gloves

Protect yourself against chemicals, facilitate sure handling and prevent finger prints with these cotton lined gloves.

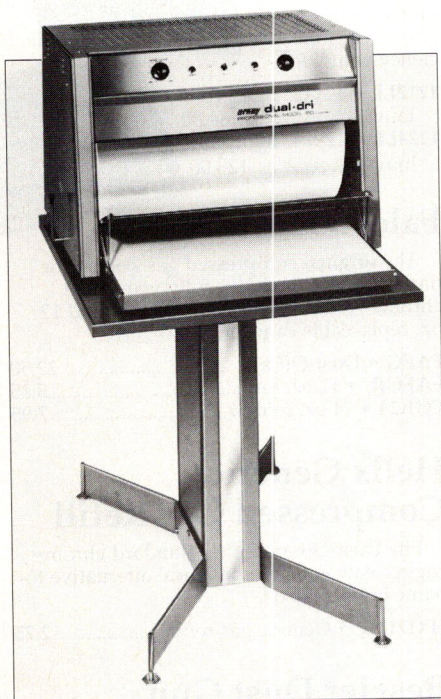
3344 • Darkroom gloves, medium 8.30
 3345 • Darkroom gloves, large 8.30

If you don't see an accessory you are looking for call our Darkroom Dept. at 312/421-6000.

Arkay High Speed RC Paper Dryers

These dryers will dry black and white and color RC papers and PMT materials quickly, quietly and efficiently. Each dryer includes a combination squeegee/blotter system, adjustable speed and heat controls, drip tray and detachable print receiving rack. Available in baked enamel coated steel or stainless steel finishes. Two sizes are available. The RC1100 will dry material up to 12" inches wide at a rate of up to 300) 8x10's per hour. The RC2100 handles up to 20" at 600) 8x10's per hour. 120V AC, 9.2A max f/RC1100, 14.2A max f/RC2100.

RC1100 • 12" RC dryer - baked enamel	674.00
RC1100SS • 12" RC dryer - stainless steel	899.00
RC2100 • 20" RC dryer - baked enamel	1,079.00
RC2100SS • 20" RC dryer - stainless steel	1,349.00



Arkay 150 Dual-Dri Print Dryer

This professional table-top drum type fiber base print dryer will dry up to 40 double weight 8x10's per hour. Polished stainless steel drum for glossy surface and canvas apron for matte. Features automatic cool-down, lever controlled squeegee roller, all steel construction.

150 • Dual-dri print dryer	1,345.00
T20 • Accessory table f/150	224.00

Bogen Technal A-1 RC Dryer

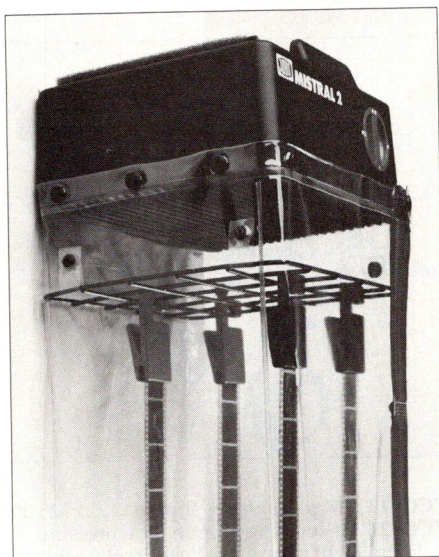
This affordable warm air dryer holds up to 8) 8x10's or 4) 11x14's. Temperature controlled warm air is forced over four print racks, drying prints in as little as four minutes.

1880 • RC dryer	215.00
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Vimco MultiStack Drying Rack

This stacking print rack with drying screens is ideal for air drying of archival and other prints. The set consists of 4) 24x30" fiberglass screens in aluminum frames and four support posts and separators. The MultiStack incorporates a special "hold-n-press" feature which allows two screens to be locked together, either horizontally or vertically, thereby minimizing curling in fiber base papers.

MS3024HP • Drying rack	49.95
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Jobo Mistral 2 Film Dryer

A compact wall-hanging dryer with a rugged, transparent plastic cabinet with magnetic closures. The roll film cabinet can hold up to 16) 35mm rolls. Three settings (cool, warm or hot) plus a washable dust filter assure clean, even drying. Supplied with 2 sets of film clips. Optional sheet film cabinet available. 110V, 5 amps.

3523 • Mistral 2 film dryer	316.00
3522 • Sheet film cabinet	157.00

DSA Senrac Rapid Roll Film Dryer

The Senrac dryer quickly dries your roll film on the reel with a powerful heater and fan. This compact, wall-mounted unit has a 0-15 minute timer and automatic temperature control. Capacity of 5) 35mm or 3) 120 rolls on steel reels only.

RRFD • Rapid roll film dryer	265.00
RRCT • Counter-top support f/RRFD	39.00

Premier Photowipes

These wipes are lint free, non-abrasive, soft, strong, and highly absorbent. Comes in a dispenser carton of 50 wipes.

PR-PW • Photowipes	3.95
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Darkroom Sponges

7696 • 5-1/8x3-1/4" sponge	1.95
7699 • 7x4-1/2x2-1/4" sponge	2.95

Kodak Photo Chamois

For removing surplus water and sediment from negatives. Specially treated surface. 11x13-1/2".

150-4422 • Photo chamois	7.60
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Arkay Stainless Steel Film Clips

Set of two spring-closure steel clips with hanging hook.

FCP • Stainless steel film clips	2.50
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Saunders Print Squeegee

High impact plastic "T" handle with pure rubber blade that won't scratch prints.

175-507 • 7" print squeegee	2.95
175-512 • 12" print squeegee	3.95

Jobo Film Wiper

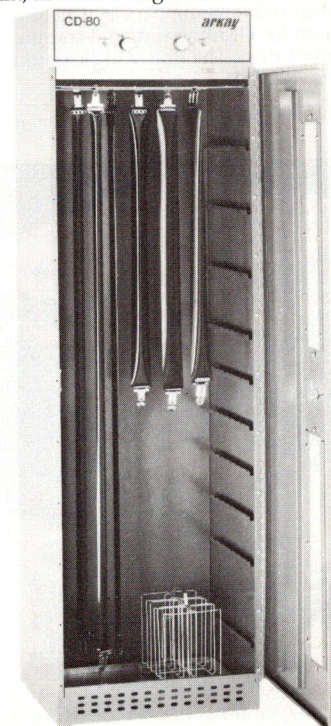
Designed to press evenly and gently over the entire film surface, the three track design of the rubber blades removes excess water from 35mm and 120 roll film before drying.

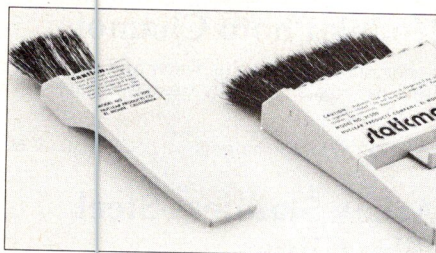
3530 • Film wiper	11.85
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Arkay Cabinet Dryers

These professional quality cabinet dryers are constructed of heavy gauge steel with baked-on enamel finish, reversible, piano-hinged doors with heavy duty latch, replaceable filter, drip pan and leveling feet. Each dryer includes two wire racks for film hangers or clips. They have an adjustable heat thermostat with 60 minute variable timer.

CD10 • Compact sheet film dryer holds up to 10) 8x10's. 15x21x38" high.	625.00
CD40 • Roll/sheet film dryer holds up to 40) 35mm 36 exp. rolls of film. 15x21x78" high.	805.00
CD80 • Roll/sheet film dryer holds up to 80) 35mm 36 exp. rolls of film, 23x21x78" high.	895.00





StaticMaster

StaticMaster brushes eliminate static charge while removing dust and lint in one quick operation. A replaceable, low-energy ionizing element ionizes the air in the immediate vicinity of the brush. Available in two versions, both have a soft, natural hair brush. The 1C200 has a 1" brush on a plastic handle, while the 3C500 has a 3" retractable brush.

1C200 • 1" StaticMaster brush	12.00
3C500 • 3" StaticMaster brush	24.00
STR1 • 1" replacement cartridge	7.50
STR3 • 3" replacement cartridge	15.50



Durst MultiStat

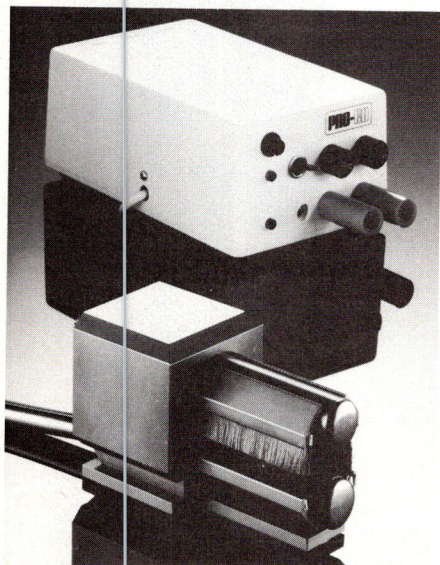
A static neutralizing device for use with slides, negatives and even phonograph records. The MultiStat uses a piezoelectric generator activated merely by squeezing the handle. The 1-1/2" width is ideal for 35mm film.

60600 • Multistat	17.50
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Pro-Co Dust-Stat Ionovax Film Cleaner

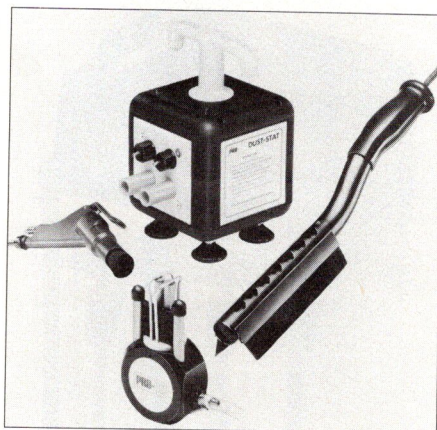
Vacuum, plus highly efficient static eliminating ionizing bars, make the Ionovax an ultra-efficient and easy to use film cleaning system. It is ideal for use next to the enlarger or with a mini-printer. The system consists of a power supply and a film cleaning head. The cleaning head has twin brushes and ionizing bars as well as a vacuum for cleaning film and trapping removed dust. The unit will clean film up to 70mm. 120V AC.

PCO151 • Ionovax film cleaner	749.00
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Pro-Co Dust-Stat Modular Film Cleaning System

For the commercial lab or studio, this system can provide dust control to specific areas for specific needs. It consists of a power module into which up to two different accessories can be attached, and a number of special purpose accessories. Dust-Stat's ionizing generators and heads successfully neutralize static to keep dust from immediately returning to the surface. Some accessories require coupling to an air compressor.



PCO119 • Mark II power supply	325.00
PCO121** • Ionizing air gun. Lowpressure, lightweight air gun with soft replaceable brush, with 8' cable and air supply tubing.	245.00
PCO123** • Film Cleaner. A film cleaning head with twin ionizing bars and brushes for film up to 70mm. Perfect for use by an enlarger or mini-printer.	315.00
PCO131 • Foot switch for film cleaner head	90.00
PCO125* • Ionizing Brush. A 6" double brush with ionizing bars for large format film, film holders or shooting tables.	245.00
*requires power supply	
** requires power and compressed air supplies	

Air-No-Lite Darkroom Fans

A safe darkroom should have a change of air every few minutes. Air-No-Lite fans provide quiet, efficient exhaust of fumes and odors from your darkroom. Efficiency can be even further increased with the addition of light-proof louvers.

Model A Fan

For indoor use through ceiling or wall. 350CFM for rooms up to 12x12'. 148.00

Model B Fan

For indoor use through wall or ceiling. 300CFM for rooms up to 10x12'. 120.00

Model 744SL/PS Fan

To exhaust air out using 6" galvanized pipe through ceiling or roof, or to blow air into a processor room. 400CFM for rooms up to 15x15'. 199.00

Model 744SL/WC Fan

To exhaust air out through a thick cinder block wall or in a window bracket casement where the fan is close to ground. 400CFM for rooms up to 15x15'. 227.00

Model 744SL/WM Fan

This is the window, thin wall or door model. When well above the ground, exhausts downward without the need for a wall cap. 400CFM for rooms up to 15x15'. 199.00

Novio Fan

Highly efficient fan for small rooms. Can be mounted in square hole in upper half of door with 12x12" louver in lower half. For rooms up to 6x6'. 119.00

Light-Proof Louvers

Providing an air intake source greatly increases the efficiency of any fan.

1212LL • 12x12" lightproof louver	64.00
1224LL • 12x24" lightproof louver	128.00



Falcon Dust-Off

The original compressed gas system for darkroom use. Includes fully warranted chrome valve and trigger assembly and 12 oz. replaceable canister.

FAFG • Dust-Off kit	22.50
FAFGR • 12 oz. refill	5.25
FGR24 • 24 oz. refill	7.95

Helix Generic Compressed Gas Refill

Fits Dust-Off and other standard chrome trigger valves. The economical alternative to name brands. 12 oz.

HXD12R • Generic gas refill	2.75
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Beseler Dust Gun

A safe, dry, all-purpose cleaning aid that removes dust and lint instantly from slides or negatives. The 12 oz. dust gun has a 3-way nozzle to supply strong, medium or gentle blasts, and a 5" extension nozzle for accuracy. The 3 oz. is a pocket size version with a 3" extension nozzle.

8550 • 12 oz. dust gun	3.95
8554 • 3 oz. pocket dust gun	2.25

Ilford Anti-Static Cloth

This long lasting cloth assures dust free film, lenses and carrier glass. 13x13". 3.00

Lease it!

Leasing photography equipment can have significant tax advantages when the equipment is used for business. Consult your accountant for specifics appropriate to your situation, then call the Helix Professional Services Department at 312/421-6000 for information on setting up a leasing program tailored to your needs.

Kodak Chemistry

Kodak Black and White Film

Developers

146-4791 • D-76, 1 qt.	2.50
146-4809 • D-76, 1/2 gal.	2.70
146-4817 • D-76, 1 gal.	3.50
146-4825 • D-76, 10 gal.	22.75
146-4833 • D-76R replenisher, 1 gal.	5.00
196-9690 • Microdol X, 1 qt.	2.90
196-9724 • Microdol X, 1 gal.	5.25
196-9740 • Microdol X liquid, 1 qt.	5.25
196-9716 • Microdol X replenisher, 1 gal.	5.25
140-8988 • HC-110, 2 gal.	8.00
140-8962 • HC-110, 3-1/2 gal.	12.75
146-4569 • D-11, 1 gal.	3.75
146-4593 • D-19, 1 gal.	3.95
194-6045 • D-19, 5 gal.	17.25
146-4924 • DK-50, 1 gal.	4.00
101-0628 • Technidol LC powder, 1 pt./3 packets	4.15
108-3849 • Technidol liquid, 3 bottles	7.60
123-9714 • Direct positive film developing kit, 1 qt.	21.00
155-9566 • Kodalith super RT developer, 2 gal.	8.50
140-2767 • T-Max developer, 1 qt.	6.75
159-9844 • T-Max developer, 1 gal.	23.10

Kodak Black and White Paper

Developers

146-4700 • Dektol, 1 qt.	2.45
146-4726 • Dektol, 1 gal.	3.70
146-4734 • Dektol, 5 gal.	15.30
146-4643 • Selectol, 1 gal.	3.90
146-4627 • Selectol Soft, 1 gal.	5.60
140-4581 • Ektaflo type 1, 1 gal. cube	19.25
101-5408 • Ektaflo type 2, 1 gal. cube	21.25
186-5609 • Ektamatic SII activator, 1 qt.	4.15
186-5567 • Ektamatic SII activator, 2-1/2 gal. cube	30.50
177-9123 • Ektamatic S30 stabilizer, 1 qt.	6.00
189-5192 • Ektamatic S30 stabilizer, 2-1/2 gal.	41.50

Kodak Stop Baths and Fixers

146-4247 • Indicator stop bath, 16 oz.	3.60
140-8731 • Indicator stop bath, 1 gal.	22.50
146-2829 • 28% acetic acid, 16 oz.	2.50
146-2837 • Glacial acetic acid, 16 oz.	3.30
146-2845 • Glacial acetic acid, 1 gal.	15.20
140-4011 • Ektaflo stop bath, 1 gal.	14.90
140-4037 • Ektaflo fixer, 1 gal.	15.85
197-1720 • Kodak fix, 1 qt.	1.85
197-1746 • Kodak fix, 1 gal.	3.25
197-1753 • Kodak fix, 5 gal.	13.90
146-4106 • Rapid fix, 1 gal.	6.25
146-4114 • Rapid fix, 5 gal.	17.50
197-3247 • Rapid fix A, 5 gal. cube	42.50
173-3013 • Rapid fix B hardener, 72 oz.	6.60
146-4080 • Kodafix, 1 gal.	4.40

Kodak Processing Aids

146-4502 • Photo flo 200, 4 oz.	2.55
146-4510 • Photo flo 200, 16 oz.	4.55
153-3942 • Hypo clearing agent, 1-1/4 gal.	1.95
146-4254 • Hypo clearing agent, 5 gal.	3.50
146-4478 • Rapid selenium toner, 8 oz.	4.80
146-4486 • Rapid selenium toner, 1 qt.	11.95
146-0936 • Rapid selenium toner, 1 gal.	33.50
169-1757 • Sepia toner, 1 qt.	2.50
155-8519 • Poly toner, 1 qt.	13.40
146-4452 • Brown toner, 8 oz.	7.50
169-1492 • Farmer's reducer, 1 qt.	2.55
169-1476 • Chromium intensifier	2.40

Kodak Ektachrome R3000 Color Chemicals

for processing Ektachrome 22 paper.

106-5218 • Hobby-Pac reversal print kit	17.25
106-5291 • R3000 first developer, 1 gal.	7.00
106-5275 • R3000 color developer, 1 gal.	13.60
106-5259 • R3000 bleach fix, 1 gal.	17.50

Kodak Ektaprint 2 Color Chemicals

for use with Ektacolor paper.

101-1436 • Hobby-Pac color print kit	9.75
186-2176 • Ektaprint 2 processing kit, 1 gal.	29.50
186-2192 • Ektaprint 2 processing kit, 3-1/2 gal.	40.50
186-2051 • Ektaprint 2 developer, 1 gal.	10.30
186-2135 • Ektaprint 2 developer, 3-1/2 gal.	15.75
186-2259 • Ektaprint 200 developer, 1 gal.	14.75
186-2291 • Ektaprint 200 developer, 3-1/2 gal.	30.80
186-5849 • Ektaprint 2 bleach fix, 1 gal.	15.25
186-5864 • Ektaprint 2 bleach fix, 3-1/2 gal.	20.25
121-2521 • Ektaprint 2 bleach fix replen- isher, 3-1/2 gal.	26.90
183-2013 • Ektaprint 2 developer replen- isher, 5 gal.	31.50
186-5195 • Ektaprint 2 stop bath, 1 gal.	4.00
186-5211 • Ektaprint 2 stop bath, 3-1/2 gal.	5.00

Kodak Flexicolor C-41 Chemicals

for developing Kodacolor II and Vericolor III type film.

192-4037 • Hobby-Pac color negative film kit	12.65
192-7698 • C-41 developer, 1 gal.	9.50
191-8895 • C-41 developer, 3-1/2 gal.	18.00
190-1685 • C-41 bleach, 1 gal.	21.80
156-5175 • C-41 fixer & replenisher, 1 gal.	4.10
190-0703 • C-41 stabilizer & replenisher, 1 gal.	5.10

Kodak E-6 Color Chemicals

for processing Ektachrome type slide film.

181-5034 • E-6 processing kit, 1 gal.	48.90
196-3768 • Kodak Hobby-Pac color slide kit, 1/2 liter processes 6 rolls of 35mm (36 exp.) or 6 rolls of 120mm film	11.25
156-4632 • E-6 first developer, 1 gal.	5.90
156-6850 • E-6 reversal bath, 1 gal.	3.75
116-2510 • E-6 color developer, 1 gal.	11.00
156-3667 • E-6 conditioner, 1 gal.	5.50
156-2461 • E-6 bleach, 1 gal.	23.00
156-6082 • E-6 fixer, 1 gal.	3.30
156-7155 • E-6 stabilizer, 1 gal.	2.50
156-4814 • E-6 first developer replenisher, 5 gal.	21.00
156-4871 • E-6 first developer starter, 1 pt. conc. makes 25 gal.	3.90
127-8076 • E-6 reversal bath & replenisher, 5 gal.	7.20
100-1866 • E-6 color developer replenisher, 5 gal.	25.10
156-4012 • E-6 color developer starter, 1 pt. conc. makes 25 gal.	3.90
127-8050 • E-6 conditioner & replenisher, 5 gal.	10.00
177-9792 • E-6 bleach starter, 1/2 gal. conc. makes 25 gal.	15.30
127-8019 • E-6 fixer & replenisher, 5 gal.	9.50
127-8035 • E-6 stabilizer & replenisher, 5 gal.	3.25
125-3566 • E-6 defoamer, 4 oz.	16.40

Liquid Light Emulsion

This black and white emulsion can be applied by brush or dip-coating to a wide variety of surfaces: paper, cloth, glass or metal, for some truly exciting photographic results. Enlarging and processing procedures are the same as for standard enlarging papers. One ounce covers one square foot.

Liquid Light emulsion, 8 oz.	12.00
Liquid Light emulsion, 16 oz.	22.50

Beseler Chemistry

Beseler Color Paper Chemistry

recommended for use with Kodak Ektacolor and other compatible papers.

8945 • Liquid 2-step, 1 liter	12.00
8946 • Liquid 2-step, 4 liter	28.00
8947 • Liquid 2-step, 10 liter	39.50
8949 • Liquid 2-step, 30 liter	82.50
8990 • 3-step for Ektachrome 22, 1 liter ..	15.50
8991 • 3-step, 4) 1 liter	32.00

Beseler Color Film Chemistry

8993 • Liquid color negative, 1/2 liter	9.25
8996 • Liquid color negative, 1 liter	15.50
8998 • CS-6 liquid color slide chemicals, 1/2 liter	11.50
8999 • CS-6 liquid color slide chemicals, 1 liter	19.00

Edwal Chemistry

Edwal TST Developer

1 gal. conc. with 16 oz. solution B	30.00
1 qt. with 4 oz. solution B	12.25

Edwal Ultra Black Developer

Liquid, 1 pt.	8.00
Liquid, 1 qt.	11.75

Edwal Platinum Developer

PDC-16 • 16 oz.	5.50
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Edwal Litho F Developer

LF-32 • 1 qt.	11.75
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Edwal Hypo Eliminator

HE-16 • 16 oz.	5.00
HE-128 • 1 gal.	26.00

Edwal Liquid Orthazite

LC-4 • 4 oz.	6.00
LC-32 • 1 qt.	11.00

Edwal Quick Fix

QF-32 • To make 1 gal.	6.00
QF5-128 • To make 5 gal.	18.00

Edwal High Speed Fix

PF-16 • Liquid, 16 oz.	4.00
PF-32 • Liquid, 32 oz.	5.50

Edwal Anti-Static Film Cleaner

AFC-4 • 4 oz.	5.00
AFC-32 • 1 qt.	16.00

Edwal FG-7 Concentrate

FG7-16 • 16 oz.	8.00
FG7-32 • 32 oz.	11.00

Edwal Tank and Tray System Cleaner

TTR-16 • Single solution, 1 pt.	6.00
TTR-32 • Single solution, 1 qt.	10.00

Acufine

Acufine developer powder, 1 qt.	2.35
Acufine developer powder, 1 gal.	5.50
Diafine developer powder, 1 qt.	4.25
Diafine developer powder, 1 gal.	11.90

Ethol Chemistry

Ethol UFG Developer Powder

UFG-DP32 • 1 qt.	2.95
UFG-DP128 • 1 gal.	6.35

Ethol T.E.C. Thin Emulsion Compensating Developer

TEC-4 • Liquid, 4 oz.	3.95
TEC-2 • Two solution powder	11.95

Ethol LPD Paper Developer

LPD-P128 • Powder, 1 gal.	5.50
LPD-P5 • Powder, 5 gal.	24.00
LPD-P25 • Powder, 25 gal.	68.00
LPD-L32 • Liquid, 1 qt.	4.80
LPD-L128 • Liquid, 1 gal.	20.00
LPD-L5 • Liquid, 5 gal.	60.00

Ethol Blue Liquid Concentrate

BL-4 • 4 oz.	4.80
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Iford Chemistry

Iford Universal Chemistry

5295 • Paper developer, 12.8 oz.	3.30
5296 • Paper developer, 1 gal.	18.00
5301 • Film developer, 12.8 oz.	3.30
5297 • Fixer, 1 pt.	3.30
5298 • Fixer, 1 gal.	13.50
5299 • Stop bath, 12.8 oz.	3.30
5300 • Wash aid, 12.8 oz.	3.30

Iford Black and White Film Developers

ID-11 plus powder, 1 qt.	2.30
ID-11 plus powder, 1 gal.	4.25
Microphen powder, 1 qt.	2.30
Microphen powder, 1 gal.	4.20
Perceptol powder, 1 qt.	3.50
Perceptol powder, 1 gal.	6.25

Iford Black and White Paper Chemistry

Multigrade developer liquid, 1 pt.	4.00
Multigrade developer liquid, 1/2 gal.	14.95
Iflo-speed fixer, 1 pt.	3.30
Iflo-speed fixer, 1/2 gal.	8.90

Cibachrome Color Chemistry For A-II Paper

P-30 kit, makes 1 liter	18.00
P-30 kit, makes 2 liters	28.50
P-30 kit, makes 6 liters	56.00
DEZ additive	8.00

Agfa Chemistry

Agfa Rodinal

A black and white "one-shot" film developer that offers excellent tonal gradation and sharpness.

9719 • Rodinal, 4 oz.	5.30
9720 • Rodinal, 16 oz.	8.50

Agfa Neutol

This universal black and white paper developer is recommended for use with either fiber-base or RC papers. Provides wide processing latitude and excellent tonal

consistency.

9420 • Neutol, 125ml liquid	1.80
9421 • Neutol, 1250ml liquid	6.50

Tech Chem

Tech Chem produces superior photo grade chemicals at economical prices, so you can save money on your chemical sundries with no compromise in quality.

Tech Chem Stop Baths

Indicating stop bath, 16 oz.	2.95
Glacial acetic acid, 99% pure, 16 oz.	2.75
Glacial acetic acid, 99% pure, 1 gal.	11.50
28% acetic acid, 16 oz.	2.15

Tech Chem Cleaners

Film cleaner w/anti-static agent, 4 oz.	2.80
Film cleaner w/anti-static agent, 32 oz.	8.75
Tank and tray system cleaner concentrate for most plastics and metals, 16 oz.	5.90
Tank and tray system cleaner concentrate, 32 oz.	8.50

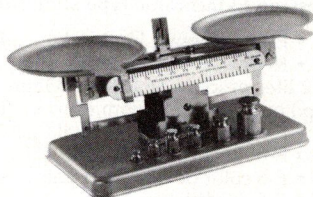
Tech Chem Perfect Fix

A fast-acting, ammonium based black and white fixer with hardener for film and paper. Hardener is packaged separately.

Perfect fix, 32 oz.	5.25
Perfect fix, 1 gal.	15.00

Tech Chem Chemical Sundries

Amidol, 2 oz.	21.50
Benzotrizole-photo grade, 2 oz.	7.25
Borax 10 Mol, 1 lb.	5.60
Citric acid, 1 lb.	7.50
Elon-metol, 1 lb.	17.25
Hydroquinone-photo grade, 1/2 lb.	6.80
Phenidone, 2 oz.	5.10
Potassium bromide, 1 lb.	9.60
Potassium Ferricyanide, 1 lb.	10.60
Sodium bisulfite-photo grade, 1 lb.	4.20
Sodium carbonate mono., 1 lb.	3.40
Sodium carbonate, 5 lbs.	15.00
Sodium carbonate, 25 lbs.	35.00
Sodium sulfite-photo grade, 1 lb.	3.00
Sodium sulfite-photo grade, 5 lbs.	11.85
Sodium sulfite-photo grade, 25 lbs.	35.00
Sodium thiosulfite-photo grade, 1 lb.	4.00
Sodium thiosulfite-photo grade, 5 lbs.	19.00



Pelouze R47 Lab Scale

Easy-to-use beam scale is ideal for weighing chemicals or establishing proper chemical proportions for photographic use. Specify ounce or metric weights when ordering.

PL-R47 • Lab scale	36.75
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Photocolor Chemistry

Photocolor II

Two solution for C41 films and RC color prints (with print additive supplied). One 1500ml kit processes 15) 36 exp. 35mm rolls or 30) 8x10 prints.

1000 • Photocolor II 1500ml kit	15.00
1500 • Photocolor II 6 Liter developer only*	24.35
1600 • Universal bleach/fix 5 liter	19.40

Photocolor Chrome-Six

Three bath process for E-6 compatible slide films. Excellent results with temperatures from 68° to 113°F. Process time is under 30 minutes at 100°F. 600ml will do 8) 36 exp. rolls.

3210 • Chrome-Six 600ml kit	13.85
3010 • Chrome-Six 1200ml kit	21.25
3520 • Chrome-Six 5 liter developer only*	46.75

Photocolor Chrome R

For print from slide processing using Kodak R22 type papers. Process time is 12 minutes at 100°F.

2210 • Chrome R 600ml kit	14.25
2500 • Chrome R 5 liter developer only*	46.75

*Use with 1600 universal bleach/fix 5 liter

HEICO

HG-30 • OS film developer, quart	9.75
HG-31 • OS film developer, gallon	39.80
HG-32 • OS film developer, 5 gallon cube	142.00
HG-85 • Perma-Wash, quart	6.15
HG-86 • Perma-Wash, 5 quart	24.25

Solarol Solarizing Developer

Maintains contrast and clean, sharp edges when using Sabattier or solarization techniques in printing. Makes 2 quarts of working solution.

SOL64	9.95
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StainOut Chemical Stain Remover

Removes stains from clothing caused by developers and fixers. Tested safe for numerous fabrics. One ounce bottle.

NP19550	6.50
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Orbit Bath

Multi-purpose solution for shortening was times and cleaning photo utensils.

OB16 • Orbit Bath, pint	4.60
OB128 • Orbit Bath, 1 gal. cube	28.85

Pakosol

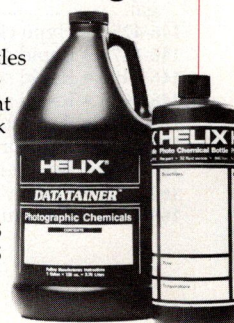
Multi-purpose print conditioner for glossing, flattening and faster drying of prints.

PK128 • Pakosol, 1 gal.	25.00
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Helix Chemical Storage Bottles

Unbreakable plastic bottles provide a safe way to store chemicals, and help prevent spoilage. Brown with blank white labels for writing in contents.

1 gallon bottle with handle	2.25
1 quart bottle	1.25



Kodak Ektacolor Paper

The newest members of the Ektacolor paper family are the latest evidence of Kodak's long-standing commitment to image excellence. Both papers maintain excellent resistance to yellowing with age, while offering whiter whites. Important to both photographers and labs alike is improved image and process stability, better uniformity, and greater resistance to chemical contamination.

Kodak Ektacolor Plus

This polyethylene coated paper is for printing from negatives and is available in: glossy (F), semi-matte (N), and lustré (E) surfaces. Offers slightly higher contrast than Ektacolor Professional. For commercial or pictorial work. Replaces Ektacolor 78.

Kodak Ektacolor Professional

This polyethylene coated paper is for printing from negatives for portraiture. Available in: glossy (F), and semi-matte (N). Replaces Ektacolor 74.

Specify Plus or Professional and surface when ordering.

Size	Quantity	Surface (specify)	Price
8x10	25	F, N	8.50
8x10	100	F, N	32.25
11x14	10	F, N	6.75
11x14	50	E, F, N	31.50
16x20	10	F, N	13.50
16x20	50	E, F, N	64.25
20x24	10	F, N	20.00
20x24	50	F, N	95.75

Kodak Ektachrome 22

This paper is for printing color prints from slides. High resolution, resin-coated. Available in glossy (F) or semi-matte (N). Specify when ordering.

Cat. No.	Size	Quantity	Price
502-2538	8x10	25	15.50
502-2652	8x10	100	59.50
502-2496	11x14	10	12.25
502-2868	11x14	50	58.50
502-3205	16x20	10	25.00
502-2751	16x20	50	118.75
502-2793	20x24	50	177.00

Complete Darkroom Dataguide

A kit from Kodak which contains processing and printing data on both black and white and color films. Features a 58 page reference booklet, 13 sample prints and a dial with enlarging specifications. Offers color balance series posters for printing color from negatives or transparencies.

Complete Darkroom Dataguide 19.95

Cibachrome A II

Designed for home development of prints from slides. Cibachrome A II is available in either glossy or pearl surfaces. In this improved version of Cibachrome A, the inherent contrast has been reduced to better match the tonal scale of the original slide.

CIBACHROME
DISPLAY PRINT MATERIALS AND FILMS.
THE BRILLIANT CHOICE

Cibachrome A II, Glossy

Size	Quantity	Price
4x5	25	8.75
8x10	10	16.00
8x10	25	36.00
8x10	50	71.00
11x14	10	27.00
11x14	25	60.00
16x20	10	55.00

Cibachrome A II, Pearl

Size	Quantity	Price
4x5	25	5.00
8x10	10	8.00
8x10	50	38.00
11x14	10	14.00
11x14	50	67.00
16x20	10	29.00

New! Oriental RP-III Color Paper

Known for their superb black and white enlarging paper, Oriental extends the quality even further with the introduction of the new RP-III. This paper is designed for use with color negatives, whether by contact printing or enlargement. It makes faithful reproductions of color and tone with fine gradation and shows color balance over a wide range from highlight to shadow area. RP-III can be processed with Ektaprint or compatible chemistry. Glossy or lustré surface, please specify when ordering.

Size	Quantity	Price
8x10	25	9.50
8x10	100	35.00
11x14	10	7.00
11x14	50	34.00
16x20	10	15.00
16x20	50	70.00
20x24	10	22.00

Photocolor Retouching Dyes

Non-pigmented dyes that invisibly saturate into the emulsion. Ideal for retouching color prints, slides and black and white prints. Twelve dyes are offered in each kit. Concise instructions included.

Photocolor retouching dyes 18.00

Kodak Retouching Colors

A set of nine "dry-dye" colors for retouching prints made on Kodak Ektacolor and Ektachrome papers. The dyes are easy to work with, and since they are solid rather than liquid, they make retouching less messy. The set also includes a jar of reducer to remove excess dye or mistakes. Complete instructions are also included.

189-0888 • Retouching colors 93.00

Kodak Liquid Retouching Colors

Print retouching colors for people who prefer to work with liquid colors. Includes nine colors, each in 2 oz. bottles.

190-1743 • Liquid retouching colors 87.00

Marshall's Photo Oils

The ideal medium for hand-coloring black and white prints or other direct image enhancement. Kits are available in a size to fit your needs.

MS-IS • Introductory Set, 5 colors 12.00
MS-LCS • Lean To Color Set, 9 colors 20.00
MS-HS • Hobby Set, 15 colors 40.00
MS-AS • Advanced Set, 20 colors 56.00
MS-MS • Master Set, 46 colors 96.00
MS-PCS • Pre Color Spray - for working on glossy surfaces. 7.95

Marshall's Photo Painting Pencils

Water soluble retouching pencils for hand coloring and enhancement.

MS-SP • Starter Pencil Set, 9 colors 9.75
MS-AP • Advanced Pencil Set, 15 colors 14.00

Marshall's Liquid Retouch Colors

Liquid retouch colors are self-blending and can be applied over each other until desired shades are reached. For color and black and white prints and transparencies. Each kit has 8 assorted 1/2 ounce dropper bottles and instructions.

Set RC1 contains: primary yellow, red, blue; basic flesh, green, brown, black and blue.

Set RC2 contains: grey, violet, bright orange, raw sienna, bright red, foliage green, verona brown and flesh shadow.

Set RC3 contains: aqua, bright violet, burnt sienna, cheek, lipstick red, oxide green, sky blue and verdian.

Marshall's Liquid Retouch Colors (specify kit) 20.00

Spotone

For spotting and retouching all types of photographic prints. Spotone penetrates into the emulsion and will not rub off. Available in 6 mixable tones to match any paper: blue, selenium, olive, sepia, brown, black.

Spotone, 1/2 ounce bottle (specify color) . 2.00
Spotone 3 bottle set (black, olive, blue) 5.95

Spot-Off

A controllable dark spot remover as well as a general reducer to lighten dark tones of prints. Sold in a 2 bottle set with part B bleacher and part A accelerator. The more solution A added to solution B, the faster the bleaching action.

Spot-off set 4.45

Marshall's Spotting Brushes

Red sable brushes with seamless ferrules on laquered hardwood handles for critical spotting and retouching.

5/0 spotting brush 2.95
4/0 spotting brush 3.75
3/0 spotting brush 3.95
2/0 spotting brush 4.50
No.0 spotting brush 5.00
No.1 spotting brush 5.50
No.2 spotting brush 5.95
No.3 spotting brush 6.25

Oriental Seagull

Seagull's quality gives faithful expression to all the shades and tones that a subject can have, through an infinite number of greys ranging from pure and brilliant white to pitch black.

Types of paper (specify when ordering)

G: Features a baryta coated paper for exhibition quality. Double weight, smooth texture, glossy surface, and jet black image tone.

N: A fine-grained lustre surface on a strong baryta paper base. Double weight, jet black image tone.

Oriental Seagull G

Size	Quantity	Grade (specify)	Price
8x10	25	1,2,3,4	12.00
8x10	100	1,2,3,4	43.00
11x14	10	1,2,3,4	9.50
11x14	50	1,2,3,4	38.00
16x20	10	1,2,3,4	19.50
16x20	50	1,2,3,4	82.00
20x24	10	1,2,3,4	29.00

Oriental Seagull N

Size	Quantity	Grade (specify)	Price
8x10	25	2,3	12.00
8x10	100	2,3	43.00
11x14	10	2,3	9.50
11x14	50	2,3	38.00
16x20	10	2,3	19.50

Oriental Seagull RP

Resin coated for a reduction in developing, washing and drying time with the same type of glossy finish achieved through conventional ferrotype procedures. Medium weight with a smooth texture and glossy surface. Jet black image tone.

Size	Quantity	Grade (specify)	Price
8x10	25	2,3,4	9.50
8x10	100	2,3,4	35.50
11x14	10	2,3,4	7.75
11x14	50	2,3,4	31.00
16x20	10	2,3	15.50

Oriental Center

Center is a high-speed enlarging paper suitable for high quality exhibition prints. Double weight with a smooth texture and glossy surface. Warm black image tone.

Size	Quantity	Grade (specify)	Price
8x10	25	2,3	10.00
8x10	100	2,3	39.00
11x14	10	2,3	8.50
11x14	50	2,3	34.00
16x20	10	2,3	17.00

New! Oriental RP Panchromatic F

An RC paper for excellent glossy black and white tonal representation when printing from color negatives.

Size	Quantity	Price
8x10	25	10.75
8x10	100	37.00

For your protection, Helix cannot accept returns on any sensitized materials.

New! Ilford Multigrade Fiber Base

Ilford continues to support the dedicated black and white photographer with the introduction of Multigrade FB fiber base paper. This new paper extends the convenience and quality of Ilford variable contrast papers to those printers who prefer to use fiber base paper. It has a wide contrast range similar to Ilfobrom grade 5, and can produce 11 half-steps of contrast when used with Multigrade filters, Neutral black image tone.

Types of paper (specify when ordering)

1K: Double weight, glossy surface.

5K: Double weight, matte surface.

25K: Double weight, velvet stipple surface.

Size	Quantity	Surface (specify)	Price
5x7	100	1K	20.00
8x10	25	1K	12.75
8x10	100	1K, 5K	44.50
8x10	100	26K	44.50
8x10	250	1K	97.00
11x14	50	1K, 5K	42.75
11x14	50	26K	42.75
16x20	10	1K	20.00
16x20	50	1K, 5K	87.00
20x24	10	1K	29.00

New! Ilford Multigrade III RC

Multigrade III RC offers an improved white base while retaining the same rich blacks, speed matched filter system, processing compatibility with tray or machine, and constant product quality.

Size	Quantity	Price
5x7	100	16.75
5x7	250	35.00
8x10	25	10.50
8x10	100	37.00
8x10	250	79.00
8-1/2x11	50	19.00
8-1/2x11	250	93.00
11x14	10	8.00
11x14	50	35.00
16x20	10	18.00
16x20	50	72.00
20x24	10	27.00

Ilford Multigrade II RC

Although this paper has been discontinued, it is available as a special order while quantities last. Please call the Darkroom Department at 312/421-6000

Ilford Ilfospeed RC

Ilfospeed is a medium weight, polyethylene-coated paper with a neutral black image tone and pure white base. (Please specify grade 0, 1, 2, 3, 4 or 5 when ordering.)

Types of Paper (specify when ordering)

1M: Glossy surface with smooth texture.

24M: Semi-matte surface with smooth texture.

44M: Pearl, a fine grain texture.

Size	Quantity	Surface (specify)	Price
8x10	25	1M, 24M, 44M	12.00
8x10	100	1M, 24M, 44M	42.00
11x14	10	1M, 24M, 44M	9.50
11x14	50	1M, 24M, 44M	41.00
16x20	10	1M, 24M	19.00
16x20	50	1M	83.00

Ilford Galerie

Designed for the photographer who demands the very highest standards of print quality and excellence. What makes Galerie superior is its significantly higher maximum density and extended tonal range. In processing, Galerie's three grades give the printer wider development latitude for improved creative control. Double weight.

Types of Paper (specify when ordering)

1K: Glossy surface with smooth texture.

5K: Matte surface with smooth texture.

Size	Quantity	Grade (specify)	Price
8x10	25	1,2,3,4	14.75
8x10	100	1,2,3,4	51.00
11x14	10	1,2,3,4	11.75
11x14	50	1,2,3,4	49.25
16x20	10	1,2,3,4	23.75
16x20	50	1,2,3,4	100.00
20x24	10	1,2,3,4	35.50

Ilford Multigrade Filters

Sets of 11 filters cover grades 0 through 5 in evenly spaced steps. They are available in 2 sizes for use in filter drawers, and in a mounted set for use below the enlarger lens.

4085 • Multigrade 3-1/2x3-1/2"

filter set 15.25

4086 • Multigrade 6x6" filter set 23.50

4084 • Multigrade mounted filter set 30.95

Kodak

Kodak Paper Surfaces

F: Smooth texture and glossy brilliance.

N: Smooth texture and semi-matte brilliance.

S: Ultra smooth texture and high-lustre brilliance (Elite).

E: Fine-grained texture and lustre brilliance

G: Medium-grained texture and lustre brilliance.

Kodak Elite

For exhibition and fine art photography. Extra heavy weight. Neutral black image tone and brilliant whites from a richer silver emulsion. S surface only.

Size	Quantity	Grade (specify)	Price
8x10	25	1,2,3,4	18.00
8x10	100	1,2,3,4	62.80
11x14	10	1,2,3,4	14.00
11x14	50	1,2,3,4	60.00
16x20	10	1,2,3,4	28.00
16x20	50	1,2,3,4	123.00
20x24	10	1,2,3,4	42.70

Kodak Polyfiber

A high quality fiber base variable contrast paper. Doubleweight.

Size	Quantity	Surface (specify)	Price
5x7	100	F	21.50
5x7	500	G	90.00
8x10	25	F	13.50
8x10	100	F, G	47.00
8x10	250	F, G	102.00
11x14	10	F	10.50
11x14	50	F, G, N	45.00
11x14	250	F	191.00
16x20	10	F	21.00
16x20	50	F, G, N	92.00
20x24	10	F, G, N	32.00
20x24	50	F	137.00

Kodak Polycontrast Rapid II RC

For tray or machine processing, Polycontrast Rapid II offers a developer incorporated variable contrast emulsion on a resin coated base for fast processing.

Size	Quantity	Surface (specify)	Price
5x7	100	F	17.80
5x7	500	F, N	75.00
8x10	25	F, N	11.00
8x10	100	F, N	38.00
8x10	250	F, N	85.00
8-1/2x11	250	F, N	98.00
11x14	10	F	8.70
11x14	50	F, N	36.50
16x20	50	F, N	73.00
20x24	50	F, N	114.00

Kodak Polyprint RC

For tray processing, this resin-coated paper offers similar characteristics to Polycontrast, but is not developer incorporated.

Size	Quantity	Surface (specify)	Price
5x7	100	F	17.80
5x7	500	F, N	75.00
8x10	25	F, N	11.00
8x10	100	F, N	38.00
8x10	250	F, N	85.00
8-1/2x11	250	F, N	98.00
11x14	10	F, N	8.70
11x14	50	F, N	36.50
16x20	10	F, N	17.50
16x20	50	F, N	73.00
20x24	10	F, N	26.00
20x24	50	F, N	114.00

Kodak Panalure II RC

A projection-speed panchromatic resin coated enlarging paper for superior black and white prints from color negatives. Warm black image tone, glossy surface.

Size	Quantity	Price
5x7	100	21.00
8x10	25	12.00
8x10	100	43.00
11x14	50	44.00

Kodak Azo

A neutral black paper for contact printing. Glossy surface, single weight.

Size	Quantity	Grade (specify)	Price
8x10	25	2	9.85
8x10	100	1, 2, 3, 4	34.00
8x10	500	1, 2, 3, 4	145.00

Kodak Post Cards

Double weight Kodabomide fiber based paper with a neutral black image tone and "POST CARD" imprinted on the back side. Glossy surface.

Size	Quantity	Grade (specify)	Price
3-1/2x5-7/16	100	2, 3	13.50

For your protection, Helix cannot accept returns on any sensitized materials.

Agfa Brovira III

Long exposure and wide development latitude combine to cover an exceptional tonal range. The fast bromide emulsion produces cool, rich blacks and radiant whites. Glossy surface.

Size	Quantity	Grade (specify)	Price
8x10	25	1, 2, 3, 4, 5	12.50
8x10	100	2, 3, 4, 5	41.00
11x14	10	1, 2, 3, 4, 5	10.00
11x14	50	2, 3, 4, 5	41.00
16x20	10	1, 2, 3, 4, 5	20.00
16x20	50	2, 3, 4, 5	86.00
20x24	10	1, 2, 3, 4, 5	31.00

Agfa Portriga Rapid

For the printer looking for a warm tone image, this paper offers a fast, silver-saturated chlorobromide emulsion. Excellent for portraiture, this paper offers deep, warm shadows and natural cream-white highlights.

Types of paper (specify when ordering)

111: Glossy surface, smooth texture.

118: Semi-matte surface, smooth texture.

Size	Quantity	Grade (specify)	Price
8x10	25	1, 2, 3	12.50
8x10	100	2, 3	49.00
11x14	10	1, 2, 3	11.00
11x14	50	2, 3	47.00
16x20	10	1, 2, 3	22.00

Agfa Brovira 310 PE

This resin-coated paper renders cold tone blacks, whites and mid-ranges that are rich and true in tonal rendition and detail. Glossy surface, medium weight.

Size	Quantity	Grade (specify)	Price
8x10	25	1, 2, 3, 4, 5	10.50
8x10	100	2, 3, 4, 5	35.00
11x14	10	1, 2, 3, 4, 5	8.50
11x14	50	2, 3, 4, 5	37.00
16x20	10	2, 3, 4	17.00

Agfa Portriga Speed 310 PE

This resin-coated paper has soft, warm tones for salon photography matched with the efficiency of fast processing and drying times. Medium weight with a glossy surface.

Size	Quantity	Grade (specify)	Price
8x10	25	2, 3	11.00
8x10	100	2, 3	37.00
11x14	10	2, 3	8.75
11x14	50	2, 3	37.00
16x20	10	2, 3	17.50

Eberhard Faber Graphic Arts Supplies

Copy-Not Non-Reproducing Pens and Pencils

These specially formulated non-reproducing photo-blue pens and pencils are used whenever you need to create positioning lines and notes that will not reproduce on stat and photocopy equipment. Ideally suited for offices and studios alike.

150 • Copy-not finepoint pen	1.15
151 • Copy-not pencil	.40

Design Detailing Pens

The extended 0.3mm tip of this pen makes it ideal for use with rulers, T-squares and other drafting equipment. Available in 12 colors: black, blue, red, green, yellow, orange, brown, violet, grey, blue-green, red-brown, red-violet. (Specify color when ordering.)

Design detailing pens 1.00

Projectachrome Overhead Projector Pens

These overhead projector pens project in vibrant colors and resist fading caused by projector heat. They will not skip over smudges or fingerprints and clean easily with a damp cloth. Available in fine or medium point in 8 colors: black, blue, red, green, orange, brown, yellow, purple. (Specify color and point when ordering.)

Projectachrome pens90

Stand-Out Fluorescent Highlighters

These fluorescent highlighters in bright colors are perfect for quick recall of facts and figures. Available in five vibrant colors: yellow, orange, green, pink, blue. (Specify color when ordering.)

Stand-out highlighter90

Microtomic Drawing Pencils

Noted for excellent point strength, degree uniformity and superb reproduction qualities. Specify degree of hardness 6B, 5B, 4B, 3B, 2B, B, HB, F, H, 2H, 3H, 4H, 5H or 6H when ordering.

Microtomic drawing pencils 1.15

Nupastel Color Sticks

Cleaner and stronger than ordinary pastels, Nupastels are available in a variety of colors ranging from subtle to brilliant.

263 • Nupastel 12 color set 6.00

264 • Nupastel 24 color set 13.00

274 • Nupastel 48 color set 26.00

Rubkleen Eraser

The soft, clean rubkleen is especially designed for drawings, books, tracing cloth, etc. and will not smear or crumble. Block form makes cleaning large areas easy.

6002 • Rubkleen eraser55

Pink Pearl Eraser

Famous for its exceptional erasing qualities, soft, pliable Pink Pearl gives smudge-free pencil erasures on most paper surfaces.

101 • Pink pearl eraser, block 0.55

400A • Pink pearl eraser, clutch-action stick65

Kneaded Rubber Eraser

Excellent for highlighting and cleaning chalks, charcoals and pastels. Kneads into any shape to make removing marks clean and easy.

1224 • Kneaded rubber eraser, med.55

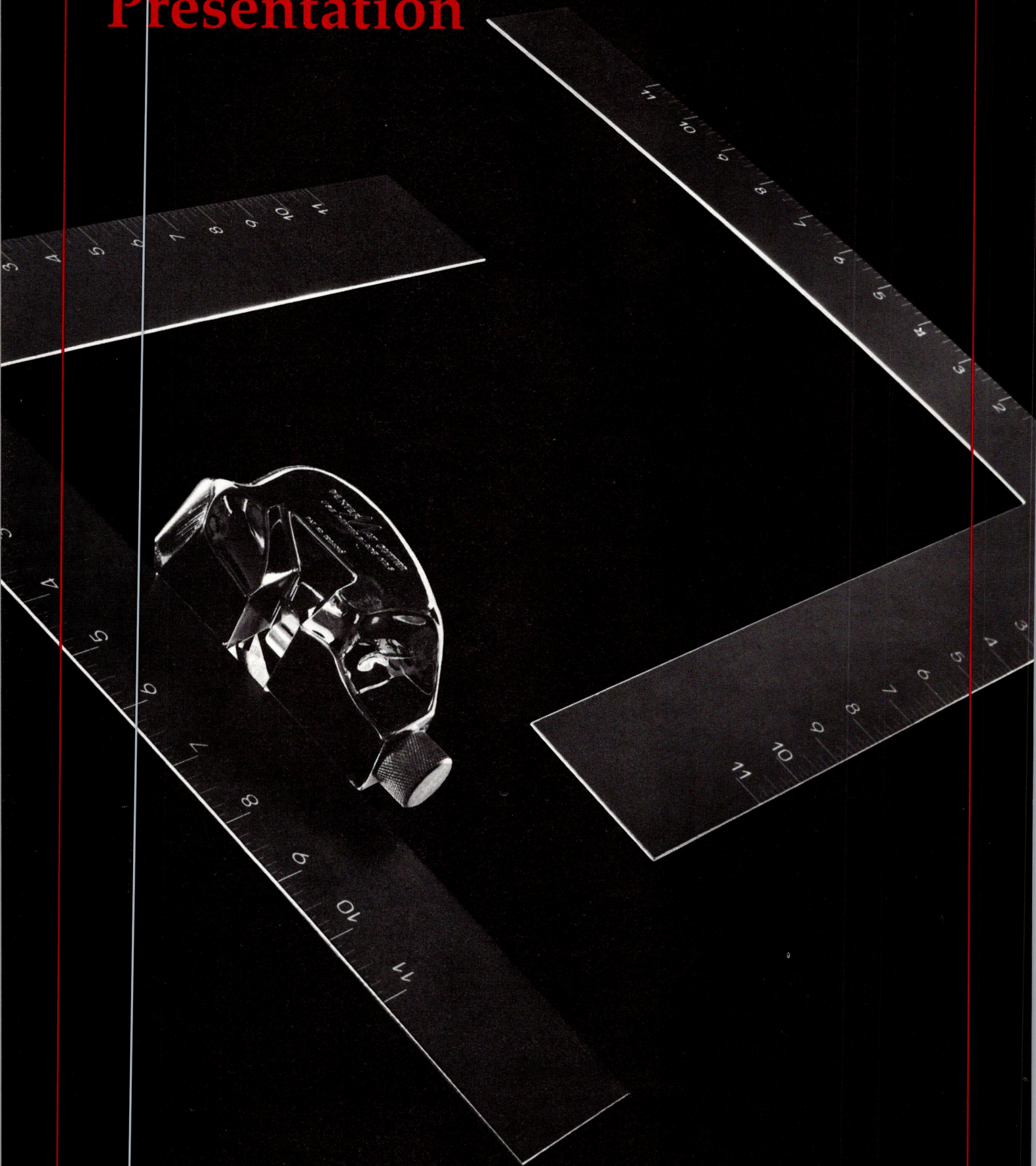
1225 • Kneaded rubber eraser, large90

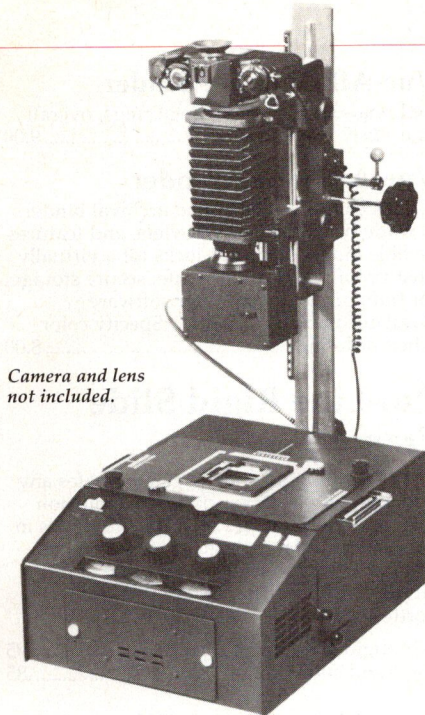
PlastiRace Eraser

Firmer than gum erasers, PlastiRace is crumble resistant and will not leave "ghosts" on drafting surfaces.

622 • PlastiRace eraser, block60

Presentation





Camera and lens
not included.

Beseler Dual Mode Slide Duplicator

An extraordinary duplicator that offers two illuminated systems, continuous quartz halogen and electronic flash. The flash is ideal for daylight films while the 250W quartz halogen light source works well with tungsten balanced films. Both modes feature dial-in dichroic filtration, built-in color matched 10-step variable contrast control and through-the-lens metering with a suitably equipped camera. Accepts sizes from disc to 4x5" (with accessory 4x5 illumination chamber). Includes flash sync cord, film stages with calibration scale, T-mount for Beseler and other enlarging lenses. Accessory T-mounts are available to fit most 35mm SLR cameras. Uses standard film carriers from Beseler 67 enlargers. Camera body and lens not included.

Dual mode duplicator Call
4112 • 4x5" diffusion illumination
chamber 115.00
4110 • Universal camera mount 128.00

Rodenstock APO Rodagon D

The APO Rodagon D is a six-element symmetrical high-performance lens for same-size reproduction of negatives and slides for formats up to and including 6x7 cm. Optimized for 1:1 reproduction, the lens may be used over a range from 1:3 reduction to 3x magnification. Apochromatic correction ensures optimum image definition and sharpness. An outstanding lens for slide duplication.

8650 • Rodagon D 75mm, f4 to f22 430.00

Bowens Copytran

Make internegs, duplicate slides, double exposures images or crop 35mm or 6x6cm mounted transparencies with the ergonomic Bowens Copytran. Transparencies may be duplicated with the built-in color balanced flash or tungsten light source. The transparency stage is adjustable for flexible cropping, while the camera stage adjusts to accommodate any of the popular SLR's with macro lens sets. The camera stage may be com-

pletely removed for making copies with a separately mounted medium format camera.

0100 • Copytran 289.95

Bowens Illumitran 3SC

A table-top slide duplicator with built-in electronic flash that lets you make duplicate slides, internegs and special effects. A built-in intensity control and direct metering system allows variation of light output through a 2-1/2 stop range without affecting either lens opening or exposure time. The contrast control unit of the 3SC lets you vary contrast in three switch-controlled, continuously variable ranges. The 3SC is supplied with bellows, column, magnification scale and choice of lens and camera body adapter.

0103 • Illumitran 3SC 719.95



Gepe Glass Slide Mounts

These plastic slide mounts feature built-in aluminum frames and glass covers, so all you have to do is insert your transparency and snap the mount closed. The 2x2" mounts fit all slide trays except Kodak 120-slide trays. Except where noted all sizes come 20 per box.

6001 • Regular glass mounts, 2x2" 5.60
6002 • Anti-Newton glass mounts, 2x2" 6.00
6003 • Industrial 1,000 pk., regular glass mounts, 2x2" 273.00
6004 • Industrial 1,000 pk., Anti-Newton glass mounts, 2x2" 285.00
6005 • Regular glass mounts w/registration pin, 2x2" 6.60
6006 • Anti-Newton glass mounts w/registration pin, 2x2" 5.60
6901 • Super slide mounts (40x40mm) 7.25
2601 • 2-1/4x2-1/4" (6x6cm) Anti-Newton glass mounts 12.25

Gepe Glassless Slide Mounts

7001 • 2x2" mounts, 100 per box 7.70

7031 • 2-1/4x2-1/4" (6x6cm) mounts, 20 per box 6.60

7502 • 2x2" darkslide blanks for universal 140 trays, 25 per box 3.80

Kodak Ready Mounts

Solid white, heat seal cardboard mount for 35mm slides. Available in two styles. folded (B255W) are sealed on 3 sides, open side can be sealed with household iron. Flat (B205W) are unsealed on all 4 edges.

B255W • Folded 35mm ready mounts, box of 50 10.75

B205W • Flat 35mm ready mounts, box of 100 7.95

B205C75 • Flat 35mm ready mounts, case of 7,500 110.00

Pegco 35mm Stereo Easymount

Superior quality 3-ply fiber reinforced board provides ruggedness and durability in this stereo mount. Just slip film in; no glue is needed, and they are reuseable. 50 mounts per box.

PE-ST • 35mm stereo easymount 11.95

New! Compu-File Slide Filer Software

Finally, the circle has been closed. Compu-File software from Vue-All and your IBM-PC or compatible will allow you to organize and cross-index your slides, negatives or photos. Categorize by subject, date, reference number or any other definition you require. Then search for a slide using any one or a combination of parameters. Compu-File requires an IBM-PC or compatible, 256K memory, 360K disk drive, DOS 2.0 or later. Stores up to 10,000 records per 360K disk.

Compu-File 99.95

Pakon Snappy Slide Mounter

This all-in-one 35mm slide mounter provides viewing, cutting and mounting of Pakon slide mounts

in a single compact unit. A viewing panel (powered by 2 AA batteries, not included) illuminates the film as it is inserted into the mounter. Contains concealed cutting bar for safety.

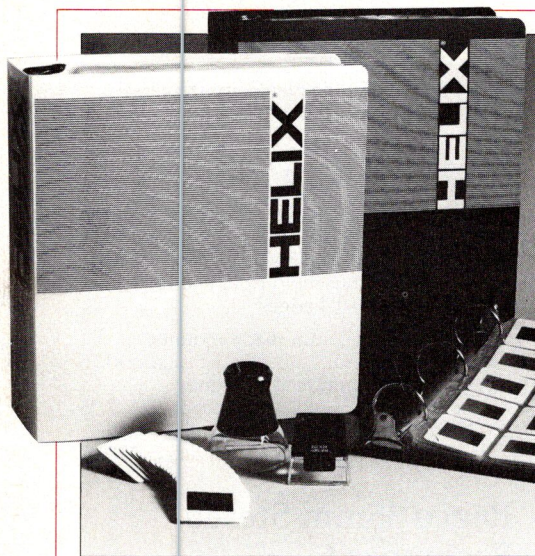
Snappy slide mounter 31.95



Pakon Slide Mounts

PK-40 • 40 pack of mounts 5.50
PK-80 • 80 pack of mounts 7.95
PK-140 • 140 pack of mounts 11.50
PK-500 • 500 pack of mounts 23.95
PK-2500 • 2,500 pack of mounts 75.00
PK-10000 • 10,000 pack of mounts 244.00

Call the Darkroom Department at
312/421-6000 for more information on
slide duplicators and accessories.



Helix Storage Pages

Protect your transparencies, negatives or prints from dust, fingerprints and moisture. Each sleeve measures 8-1/2 x 11" and is made of tough vinyl with a 3-hole punched margin. Most can also store non photographic items.

- TL-20** • 20) 2x2" mounted slides, top-loading, clear front, frosted back.
- JV-20** • 20) 2x2" mounted slides, side-loading, clear front, frosted back.
- JV-33** • 6) 2-1/4" square mounted transparencies, clear front, frosted back.
- JV-45** • 4) 4x5" transparencies, clear front, frosted back.
- C-45** • 4) 4x5" negatives, clear both sides.
- JV-310** • 3 strips of 4) 2-1/4x2-1/4 frames, clear front, frosted back.
- JV-12** • 12) 2-1/4 square unmounted, clear front, frosted back.
- JV-810** • 1) 8x10 transparency, clear front, frosted back.
- V-81** • 1) 8x10 negative, clear both sides.
- S-136** • 6 strips of 6 frames, 35mm, clear both sides.
- VH-35** • 10) 3-1/2x5 prints back to back, 6 horizontal, 4 vertical, clear both sides.

Specify type of page when ordering. May be mixed to achieve quantity discount.

1-19, ea.	45
20-99, ea.	35
100+, ea.	30

Helix Archival Slide Saver Pages

Made of neutral pH, stable polyethylene for safe, long-term storage of 35mm mounted slides.

TL-A • Archival slide pages	
1-19, ea.	45
20-99, ea.	35
100+, ea.	30

Helix Binders

Helix 3-ring binders are made of rugged polyethylene and feature large 1-1/2" rings that hold up to 50 storage pages. They also have a clear, plastic pocket on the spine for indexing. Available in white or black.

3-ring binder (specify color)	3.95
Special! 3 binders	10.00

Plastic Hanging Rod

Fits through the spine of the Helix TL-A slide page to hand in any letter-size suspension frame, allowing you to store your slides in a filing cabinet.

1-50, ea.	25
50+, ea.	20

Vue-All

These polyethylene negative and transparency pages are an ideal choice for reliable archival storage. Polyethylene has a neutral pH and does not emit gases which can be harmful to negative or slide emulsions. Vue-All pages do not contain plasticisers yet are soft enough not to scratch your film. Each Vue-All page is three-hole punched for binder storage.

8011 • 35mm, 6 strips of 4 frames, 25 pack	4.80
8012 • 35mm, 6 strips of 4 frames, 100 pack	16.00
8000 • 35mm, 7 strips of 5 frames, 25 pack	5.50
8020 • 35mm, 7 strips of 5 frames, 100 pack	19.00
8012* • 35mm, 6 strips of 6 frames, 25 pack	5.50
8013* • 35mm, 6 strips of 6 frames, 100 pack	19.00
8005 • 120, 4 strips of 3) 6x6 frames, 25 pack	5.50
8025 • 120, 4 strips of 3) 6x6 frames, 100 pack	19.00
8026 • 120, 3 strips of 4) 6x6 frames, 25 pack	5.50
8027 • 120, 3 strips of 4) 6x6 frames, 100 pack	19.00
8033 • 120, 4 strips of 4) 6x4.5 frames, 25 pack	5.50
8034 • 120, 4 strips of 4) 6x4.5 frames, 100 pack	19.00
8031* • 120, 4 strips of 3) 6x7 frames, 25 pack	6.40
8032* • 120, 4 strips of 3) 6x7 frames, 100 pack	22.00
8124 • 4x5, 4 sheets, 100 pack	20.00
8126 • 5x7, 2 sheets, 100 pack	20.00
8407 • 8x10, 1 sheet, 100 pack	16.00
7210* • 120, 12) 6x6 mounted trans., 10 pack	4.80
7260* • 120, 12) 6x6 mounted trans., 100 pack	36.00
1000 • 5-1/4" computer disk page holds 2 floppies, ea.	40

*Requires Vue-All Oversize binder or Safe-T-Binder

Vue-All Roll-A-File

Continuous polyethylene tubing which can be cut to desired length. 1000 foot roll.

8140 • 35mm x 1000'	17.50
8141 • 120 x 1000'	19.00

Vue-All Archival Print Protectors

Dust and moisture proof archival protection for prints and large format negatives or transparencies.

5002 • 8x10, ea.	15
5004 • 11x14, ea.	20
5005 • 16x20, ea.	35

Vue-All Oversize Binder

Red binder with 1-1/2" metal rings, overall size 12x12-1/4"9.00

Vue-All Safe-T-Binder

This completely enclosed archival binder is made from rigid polyethylene and features flexible hinges and snap locks for a virtually dust-proof seal. Provides safe, secure storage for film, prints or computer software. Available in black or white. (Specify color when ordering)8.00

Pro-Line Rigid Slide Frame

This white rigid slide page eliminates any possibility of plastic touching the emulsion surface of the slide. It holds 20) 2x2" slides in either paper, glass, plastic or metal mounts, and allows clear viewing without distortion. Fits any standard ring binder or NSM Portfolio

1-24 Rigid slide frames, ea.	95
25+ Rigid slide frames, ea.	85

Pro-Line Sheet Film Storage Sleeves

Pro-Line sleeves are designed from crystal clear, polyethylene with outside dimensions 1/8" larger than enclosure size. They're ideal for archival storage of all prints, negatives, transparencies and artwork. We recommend all clear sleeves for negatives or prints, and clear/matte for transparencies.

14101 • 4x5 all clear, box/200	10.50
14201 • 4x5 clear front and matte back, box/200	16.50
14301 • 5x7 all clear, box/200	17.50
14401 • 5x7 clear front and matte back, box/200	29.00
14501 • 8x10 all clear, box/200	30.00
14601 • 8x10 clear front and matte back, box/200	54.50
14701 • 11x14 all clear, box/100	33.00
14702 • 11x14 clear front and matte back, box/100	54.50

Nega-File Glassine Envelopes

High grade, highly translucent glassine paper specifically for photographic filing.

35G-6 • For strip of 6) 35mm	6.00
22-4G • For strip of 4) 2-1/4"square	6.00
45G • For 4x5 negatives	6.00
57G • For 5x7 negatives	9.00
810G • For 8x10 negatives	15.00

RC Datamarker

A fine-point black marking pen for all photographic needs. Writes on the back of resin-coated paper, as well as plastic, metal, wood and glass. Smearproof, waterproof and permanent.

RC datamarker	1.25
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Kodak Cotton Gloves

Lightweight white gloves for darkroom wear when handling negatives or transparencies. Available in two sizes, 10 pairs to a package. Specify large or small when ordering.

Kodak cotton gloves, box/10 pair	13.85
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Da-Lite Screens

Durable Da-Lite tripod screens and wall screens are designed to show a brilliant, crisp slide or movie image. Glass beaded surface presents the sharpest possible image. Non-gloss matte white screens are ideal to reflect light at super-wide viewing angles. All Da-Lite screens have a thick black border. (Specify matte or glass beaded.)

Versatol General Purpose Tripod Screens

50x50	73.50
60x60	88.50
70x70	102.00

Picture King Heavy Duty Tripod Screens

50x50	133.00
60x60	145.50
70x70	159.00
84x84	222.00
96x96	282.00

Electrolet Electric Wall/Ceiling Screens

60x60	265.00
70x70	283.00

Helix Viewing Loupes

42301 • Round loupe, 5X	8.00
42302 • Square loupe, 10X	12.00

Helix Macromax 5X Slide Viewer and Loupe

This 35mm slide viewer and loupe gives sharp images with a 5X magnification over a 48mm field of view. The removable frosted-glass diffuser provides uniform illumination, and the 4 lens eyepiece can be focused to meet your eyesight. Comes with slide holder for mounted 2x2" slides, filmstrip viewer and neckstrap.

Macromax 5X	125.00
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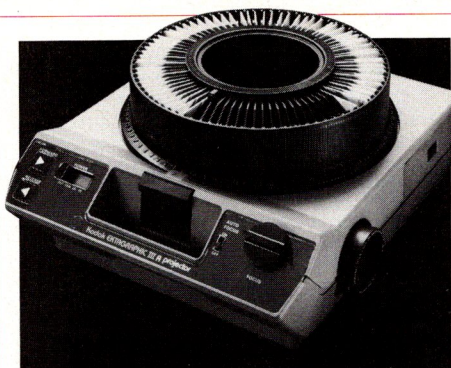
Agfa Loupe 8x

Edit your slides or give your prints a close inspection with this viewer. It has a clear base for viewing prints.

8X loupe	4.95
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Kodak Ektagraphic III Slide Projectors

Kodak's sophisticated line of 35mm slide projectors provides the performance you need for professional audiovisual presentations. Whether you are using one projector or many, Ektagraphic projectors easily adapt to Kodak's and other manufacturers' control devices. Slides are evenly illuminated by a quartz-halogen lamp (EXR-82V, 300W) included. The lamp module is easily removed from the projector without altering alignment for fast, convenient bulb changes. Cue up your slides quickly with the slide select bar. Four position power switch has on, off, high, and low settings. Slide tray, illuminated control panel and 16° elevation control included on every model. All units include a three-year warranty. UL listed.



Ektagraphic III A Projector

Includes all the features listed above and auto-focus, on/off auto-focus switch, a dark screen shutter, and reading light. Also includes a remote control (EC-1 remote) with forward and reverse functions. Also accepts optional wireless remote.

180-1257 • III A projector only	305.00
III A w/102mm f2.8FF	345.00
III A w/100-150mm f3.5FF	379.00

Ektagraphic III BR Projector

Where ever your presentation takes you, this Ektagraphic can go along! From 100-240 volts and from 50 to 60 Hz, this unit is user adjustable to match local current. Includes a dark screen shutter, reading light, and manual lens focus capability. Also includes a remote control (EC-2 remote) with focus, forward and reverse functions. Also accepts optional wireless remote.

147-5250 • III BR projector only	335.00
III BR w/102mm f2.8FF	375.00
III BR w/100-150mm f3.5FF	409.00

Kodak Ektagraphic 570AF Audio Viewer/Projector

For small groups or editing, the autofocus 570AF has a built-in 9x9" rear projection screen; for larger groups the same lens projects on a wall screen. Automatic dark screen feature is included. Program audio is recorded on standard-sized audio cassettes with an omnidirectional microphone. The audio system may be used with a second projector or with two projectors and a dissolve controller. A built-in electronic self-timer allows automatic advance in a range from 2 to 24 seconds. An internal storage compartment holds spare lamps, a slide tray, EC interconnect cord and microphone. Outlets for remote control (not included), external projector, microphone input and tape deck remote control. DDM (19V, 80W) lamp included. Remote controls and slide tray not included.

197-8675 • 570AF projector	759.00
143-5536 • AV625 audioviewer/projector remote control 410/460	33.50
110-0973 • AV632 tape deck remote control	18.50

Kodak Ektagraphic Slide Trays

140 slide tray	11.00
140 slide tray, case of 10	99.00
80 slide tray	7.00
80 slide tray, case of 10	63.00
Universal 80 slide tray, accepts glass mounted slides	9.00
Universal 80, case of 10	85.00

Ektagraphic IR Remote Control

Put greater freedom and control into your presentation with a Kodak infrared remote control up to 100 feet away from the projector! This two piece system replaces the standard remote on Ektagraphic/Carousel projectors and on dissolve units using the 7-pin remote/accessory jack.

109 8383 • IR remote control	109.00
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Ektalite Laser Pointer

This battery-powered pointer lets you highlight details from across the room. Includes batteries.

708 5228 • Ektalite laser pointer	349.00
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AMX Remote Control Systems

MX series controllers put a small remote transmitter into your hands to control projector operation at a distance up to 150 ft. The wireless receiver plugs into the remote control outlet on your projector. Three models are available to control a single projector. The MX20 controls forward and reverse operation of the projector, the MX30 controls forward, reverse and AC on/off, and the MX40 controls forward, reverse, AC on/off and focus in/out.

MX20	184.00
MX30	239.00
MX40	245.00

Tamron Projector Lenses

As an alternative to Kodak's standard lenses, Pro-Tamron offers high-quality fixed-length and zoom lenses for Ektagraphic and Carousel projectors with edge to edge sharpness, even illumination, and high-contrast.

Pro-Tamron Lenses

2810 • 26mm f2.8	309.00
2515 • 38mm f2.5	239.00
2520 • 50mm f2.5	169.00
2530 • 75mm f2.5	169.00
2540 • 100mm f2.5	129.00
2870 • 175mm f2.8	266.00
28275Z • 70-125mm f2.8	289.00
35510Z • 127-254mm f3.5	689.00

Pro-Tamron P.C. Lens

This 50mm perspective control lens eliminates projection keystoneing.

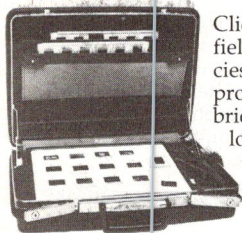
50mm f2.5 P.C.	335.00
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Da-Lite/Beseler Executive Traveler Overhead Projector

This 13-1/2 lb. overhead projector folds down to a 7-1/2" height for compact travel. The projection lamp head is attached to a hinged arm and features a tilting projection mirror, 82V lamp and 3-element, variable focus Beseler lens. A special lamp back-up features allows the bulb to be changed with the flip of a switch without interrupting presentations. The base fresnel delivers corner to corner sharpness. Cordura® carrying case with handle is included.

PET-100 • Exec. overhead projector	585.00
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Matrix SV-1 Attache Viewer



Client presentations and field editing of transparencies will look more professional with this briefcase style viewer. The lower portion of this lockable black Samsonite case contains a color balanced 13x9" viewing area with a

coiled AC power cord. The upper storage area includes two expandable compartments for holding catalogs, transparencies and other paper work. The storage area also has three small bins for holding pens or paper clips, and three small stitched pockets for small pads and business cards. The replaceable 15W fluorescent tube is rated to deliver 5000°K color temperature for 3000 hrs. 9 lbs.

SV-1 • Attache viewer 205.00

Matrix Model 40 Viewer

Ideal for the desktop, this compact viewer holds two 8x10" transparencies on an 11x16" viewing surface. The Model 40 rests at an angle or in a flat position for convenient editing when standing or sitting. Full spectrum fluorescent lamps provide 5000°K color temperature with even illumination across the entire viewing area. Overall dimensions: 13-1/2x19-1/4x8", 18 lbs. Color Rendering Index rating: 91+.

40 • Viewer 189.00

Matrix Editing Overlays f/Model 40

SEO-1 • Slide editing overlay f/35mm slides, 40 capacity, 11x16" 30.00
SEO-1A • As above, but f/2-1/4x2-1/4" slides, 20 capacity 28.00



Matrix Model 1825A Viewer

This unit features the same construction, lighting specifications and optional features as the 2049A, but has a 17-1/2x23" viewing area. Holds 100 slides or four 8x10" transparencies. CRI rating: 91+. 18-1/2x25-1/2x7-1/2", 29 lbs.

1825A • Viewer 305.00

Matrix Model 2049A Portable Viewer

For high volume table editing and viewing, this model has an evenly illuminated 17x47" surface. The viewing area accommodates 200 slides or ten 8x10" transparencies. Like other models, the

viewer may rest flat or at an angle. Full spectrum fluorescent lamps provide 5000°K color temperature. Optional features include variable lighting, floor stands, film clips, and conversion clips for Matrix SSO series overlays. CRI rating: 91+. 18-1/2x49-1/2x7-1/2", 47 lbs.

2049A • Portable viewer 425.00

Matrix Console Editor II, KD

This free-standing editor has space to view up to 20 8x10" transparencies or 400 slides at once. For transportation or storage, this editor may be broken down in about 30 minutes. Both 17-1/2x47" viewing surfaces have independent power cords and control switches. 5000°K color temperature, CRI rating: 91+. 19-1/2x52x23", 125 lbs. Shipped truck freight. (Price does not include shipping)

CE-IHKD • Console editor II, KD 637.00

Matrix Editing Overlays

SEO-2 • Slide editing and storage overlay f/35mm slides, 88 capacity, 17-1/2x 24", f/1825, 2049, CE-II, CE-III, CE-IV 36.00
SEO-2A • 2-1/4x2-1/4" slides, 40 capacity f/1825, 2049, CE-I, CE-II, 41.00

Luxor Pro-View 24

This single surface editor has a 15x24" viewing surface. It may sit horizontally or be rested at an angle on a built-in easel. The viewing surface is evenly illuminated with dual fluorescent tubes and has a 5000°K color temperature and a CRI rating of 90. One translucent slide sorter overlay is included. 24-3/4x16x4-1/4".

PV-24-1 • Pro-view 24 135.00

Luxor Pro-View 48

This editor features the same light specifications as the Pro-View 24, but with a 48" wide viewing surface. 5000°K color temperature, CRI ratings: 90. 49x16x5-1/4".

PV-48-1 • Pro-view 48 177.00



Osram Diastar 200 Slide Viewer

Put the Diastar 200 to work in business presentations, slide editing, or informal family viewing. The large 8x8" (200x200mm) screen delivers a bright image in standard room light with a 12V, 50W lamp. The retractable screen allows convenient carrying

and storage. The manually operated stacker/changer holds up to 40 slides without a special magazine. Has adjustable focus.

Diastar 200 slide viewer 125.00



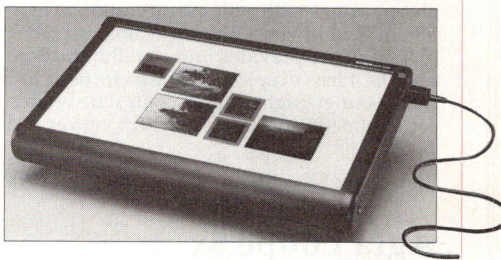
Illumix

Specially designed fluorescent lamps, developed by Horiuchi Color Lab of Japan, guarantee a minimum CRI rating of 94 at 5051°K. Excellent for desktop viewing, the Illumix has a 13x13" viewing area. A dust cover is included. Power cord is retractable.

13x13" viewer 399.00

Illumix II

For a larger viewing area with a minimum CRI rating of 94, the Illumix II has an 18x23-1/2" of viewing surface. 775.00



New! Kaiser 5000°K Illuminators

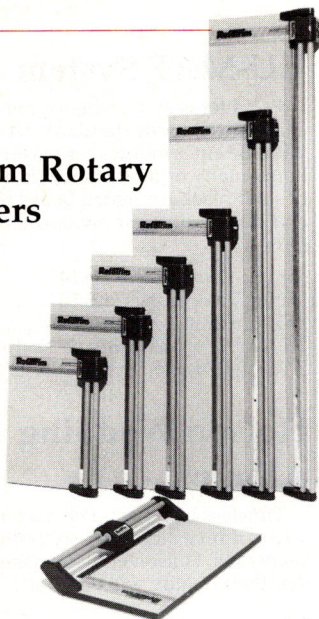
These transparency viewers have an extremely uniform daylight illumination across their entire surface. They are finished in black trim to emphasize the images on the light box. The illuminators can be wall mounted, laid flat on a table or included 30°. Film clips are built-in. They have a side mounted rocker on/off switch and a detachable AC cord.

202191 • 14x18" surface, overall size 17x20x3-1/2" 290.00
202192 • 14x23" surface, overall size 17x26x3-1/2" 325.00
202193 • 14x47" surface, overall size 17x50x3-1/2" 499.00

Lease it!

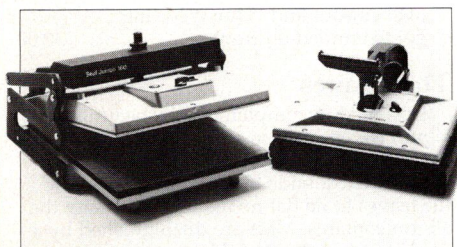
Leasing photography equipment can have significant tax advantages when the equipment is used for business. Call the Helix Professional Services Department at 312/421-6000 for information setting up a leasing program tailored to your needs.

Rotatrim Rotary Trimmers



These professional rotary trimmers feature a safe, totally enclosed self-sharpening tungsten steel cutting wheel for extremely accurate cuts. The automatic clear plastic clamp bar holds material securely in place while engraved trim guides permit exact alignment easily. A plastic end guide features inch and metric trim scales and assures 90° positioning. 12" wide non-skid full laminated baseboards. 5 year limited warranty.

Rotatrim M12 trimmer, 12" cut	140.00
Rotatrim M15 trimmer, 15" cut	161.00
Rotatrim M17 trimmer, 17" cut	176.00
Rotatrim M24 trimmer, 24" cut	196.00
Rotatrim M30 trimmer, 30" cut	257.00
Rotatrim M42 trimmer, 42" cut	345.00



Seal Dry Mounting Presses

Features easy to reach pressure controls and require no special tools to operate. "Floating platen" seats evenly on artwork for uniform mounting pressure. Steel cantilevers and cast metal construction. Built-in thermometer in "M" series presses for mounting RC papers with complete reliability. The Compress 110S has swing-away platen for easy access to work.

Compress 110S press, 12x15" (38 lbs.) ...	329.00
Jumbo 160M press, (62 lb. must be shipped truck freight)	532.00
Commercial 210M press, (80 lbs. must be shipped truck freight)	705.00
Masterpiece 500T press, 26x24" (250 lb. must be shipped truck freight)	1,442.00
704 • Sealector tacking iron	34.00
935 • Platen cleaner kit	13.60
908 • Temperature indicator strips	11.00
470 • UnSeal adhesive solvent, 32 oz.	7.00

Seal Colormount Dry Mount Tissue

Specially formulated for RC photographs, Colormount permanently bonds any smooth surface artwork at a low 180-205°F.

601 • 8x10", 25 sheets	5.60
602 • 8x10", 100 sheets	16.80
603 • 11x14", 25 sheets	9.20
604 • 11x14", 100 sheets	30.80
605 • 16x20", 25 sheets	19.20
606 • 16x20", 100 sheets	67.80

Seal MT5 Drymount Tissue

A permanent dry mounting tissue for use when mounting conventional fiber-based prints or smooth surfaced papers.

205 • 8x10", 25 sheets	5.20
206 • 8x10", 100 sheets	14.40
213 • 11x14", 25 sheets	8.40
214 • 11x14", 100 sheets	29.20
221 • 16x20", 25 sheets	17.20
222 • 16x20", 100 sheets	54.80

Seal Pro-Bond Mounting Adhesive Sheets

An acid-free pressure sensitive acrylic adhesive protected by two release liners.

1601 • 8x10", 6 sheets	3.50
1604 • 11x14", 6 sheets	6.15
1607 • 16x20", 6 sheets	11.45

Seal Pro-Bond Spray Mount Adhesive

Mount large and small prints quickly with this all-purpose aerosol adhesive. The strong bonding spray allows repositioning of prints and other artwork. 20 fluid ounce can.

Pro-bond spray mount adhesive	6.80
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Technal 560 Dry Mount Press

This heavy-duty press features a sliding bed for greater ease in positioning and mounting prints. Has an over-size yoke to permit mounting prints on 20x24" boards in one operation. Artwork up to 36" wide can be handled in sections. Its precise thermostatic temperature control holds heat to close tolerance in a dial-controlled range of 180° to 325°F. Indicator light tells you when the press is ready. The self-leveling platen measures 18-1/2x22-1/2". (67 lb.). Must be shipped truck freight.

560 • Dry mount press	500.00
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Technal 510 Dry Mount Press

Has the same quality features as the Model 560, except the heating platen is 12x15". (31 lb.).

510 • Dry mount press	280.00
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Call the Darkroom Department at 312/421-6000 for shipping rates on dry mount presses.

Card Crafts Museum Board

Acid-free boards have a 100% rag content for optimum preservation of graphics and photographs. Neutral ph.

	Each	Pack/10
1905 • 11x14", 2 ply, white	1.00	9.00
1907 • 11x14", 4 ply, white	2.00	18.00
1901 • 16x20", 2 ply, white	1.40	12.60
1944 • 16x20", 4 ply, white	2.80	25.20
1952 • 11x14", 2 ply, black	1.40	12.60
1942 • 11x14", 4 ply, black	2.85	25.65
1954 • 16x20", 2 ply, black	2.10	18.90
1944 • 16x20", 4 ply, black	4.25	38.25

Crescent Board

An all-purpose board ideally suited for mounting photographs and artwork.

CM34-Pebbled white/cream
X-Lightweight white
3X-Doubleweight white
921, 1221-Black

	1-99	Pack/100
CM34 8x10"	0.25	20.00
X 8x10"	0.20	15.00
3X 8x10"	0.30	25.00
921 8x10"	0.30	22.00
CM34 11x14"	0.35	27.00
X 11x14"	0.25	50 f/10.50
3X 11x14"	0.45	50 f/17.00
1221 11x14"	0.30	22.00
CM34 16x20"	0.60	48.00
X 16x20"	0.55	50 f/21.00
3X 16x20"	0.80	25 f/16.50
921 16x20"	0.65	54.00

Lineco Archival Products

Self Adhesive Mounting/Hinging Tissue

Thin, strong, translucent, English tissue with permanent, non-yellowing, archival adhesive. 1" x 400" roll in dispenser box.

LN0125 • S.A. mount/hinge tissue	7.95
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Self Adhesive Linen Cloth Tape

Extra strong British linen cloth with a neutral ph adhesive for archival mounting.

LN1015 • Linen tape	9.85
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See-Thru Archival Mounting Corners

Pre-scored archival mylar with neutral ph self-stick adhesive.

LN2336 • 5/8" corners, 100 pack	5.95
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Dexter Mat Cutter

The standard of the industry, the Dexter mat cutter makes straight or beveled cuts without ragged or untidy edges. It is comfortable to use, and glides across the surface of the board smoothly. Includes five #3 Dexter precision blades.

DX-5415 • Mat cutter	17.95
DX-5417 • #3 blades, 5 pack	1.95

Eberhard Faber Holdit

This malleable plastic adhesive sticks to most smooth surfaces. Non-toxic, it won't dry out. 1 oz.

1050-1S • Holdit	1.25
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NSM Blackmaster Presentation Case

Matte black vinyl cases with a multi-ring binder are accented with a red zipper and all-black hardware for a high tech look. Two interior pockets hold extra work. Supplied with 10 acetate pages with black liners.

BLM-PZ1109 • 11x9" case	23.00
BLM-PZ1411 • 14x11" case	31.00

NSM Flexible Cover Album

Made of simulated black cowhide, these albums provide easy access to your prints. Multi-ring metal binders hold protective pages. 10 acetate pages with black liners are included.

SKM-FL1109 • 11x9" album	17.00
SKM-FL1411 • 14x11" album	25.00

NSM Toledo Case

Multi-ring presentation case, made from tough, rich-looking Durahyde with rugged brass hardware and two interior pockets. Comes with 10 acetate pages. Specify black or brown.

TOLPZ1109 • 8-1/2x11" page for 8x10" prints	31.00
TOLPZ1411 • For 11x14" prints	31.00
TOLPZ2217 • 17x22" page for 16x20" prints	45.00

NSM Design Presentfolio

Three cases in one. Features a removable album, complete with ten acetate pages. The outer case becomes a stylish portfolio in which to carry artwork or photos. Used in combination they make a wonderful presentation case. Sleek, black, textured finish.

DESPF1411 • For 11x4 prints	44.00
DESPF1722 • For 16x20 prints	68.00

92 NSM Acetate Page Refills

PPS-AR1185 • 11x9"	.55
PPS-AR1411 • 14x11"	.85
PPS-AR2217 • 22x17"	2.45

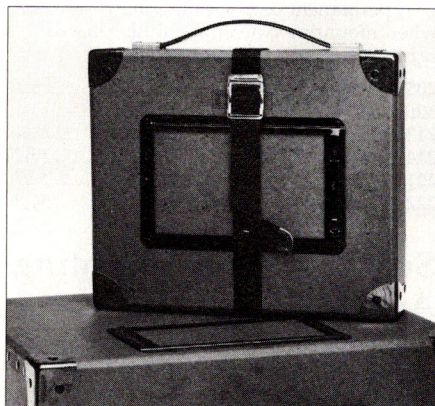
NSM Vinyl Page Refills

PPS-VR118 • 11x9"	1.10
PPS-VR1411 • 14x11"	1.90
PPS-VR2217 • 22x17"	3.70

Fiberbilt Print Cases

Made of Vulkan fiber with heavy-gauge steel corners, straps designed to last, and the patented "spring-clip" cardholder which eliminates loss of the address card in transit. Each case is equipped with a full size cardboard liner to prevent scratching of prints.

8x10x2"	27.50
8x10x4"	34.00
11x14x2"	30.00
11x14x4"	35.50
16x20x2"	34.00
16x20x4"	38.50
20x24x2"	43.50
20x24x4"	51.00



Portfoliobox Archival Folio

An elegant way to archivally store your prints. Lined with neutral ph rag board and 100% acid free. All have velcro closure and are covered with moisture and vermin resistant black bookcloth. Slightly oversized for easy insertion and removal of prints. Holds 12 to 25 prints.

FOP810 • 8x10 Portfoliobox	14.95
FOP1114 • 11x14 Portfoliobox	18.95
FOP1620 • 16x20 Portfoliobox	28.95

New! Lightware Portfolio Case

Who else has a portfolio case that you can slip right into a Federal Express Box? Lightware designed this handsome, durable little case to make it as easy as possible to show your work to prospective clients around the world. It has a handy inside pocket for holding tearsheets or reprints. There's also a special pocket for your business cards. Out-side dimensions 3x12x15-1/2", 1-3/4 lbs

99.00



VU-MAT System

Provides easy viewing of transparencies and comes in four standard sizes, complete with die cut windows for masking vertically, horizontally or total black out. They're made of solid black laminated board for durability and come with their own protective vinyl sleeve.

35mm, 12 openings, 11x14"	5.00
35mm, 20 openings, 12x16"	7.00
4x5, 4 openings, 12x16"	7.00
2-1/4x2-1/4, 12 openings, 12x16"	7.00
2-1/4x2-3/4, 6 openings, 12x16"	7.00

Holson Wedding Albums

Timeless beauty and character make this series of reversible post-style albums fitting keepsakes. Holson craftsmanship assures that their quality will endure.

The Covers

The sumptuously padded, washable white covers are available in several styles. Superior screw-post construction holds an unlimited number of leaves while the specially designed back expands with the albums capacity. The posts are concealed under flaps that match the album lining.

B18/PL • Cover with decorative border gold-stamped on front	24.00
B18/OW • Cover with decorative border and "Our Wedding" gold-stamped on front	24.00
B98 • Cover with bridal bouquet and "Our Wedding" reverse embossed on front	26.00
B14/PL • Cover with framed oval cut-out for photo on front	30.00
B14/OW • Cover with framed oval cut-out and "Our Wedding" gold-stamped on front	30.00

The Leaves

Designed to complement the beautiful album covers, clad in mylar, they feature decoratively stitched edges and golden metal corners. Extra wide binding margins allow the leaves to lie flat no matter how many the album contains. Mats are distinguished by a gold-stamped design which frames each photo in delicate outlines. Mats are reversible for vertical or horizontal formats. Each leaf package contains 6 leaves and 12 mats.

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94G35 • Holds 6) 3 1/2x5" prints per side (72 prints total)	22.00

Holson Preview Book

The preview book is the perfect way to present your proofs to the wedding party. Each book has an antique white cover and has a capacity for 102) 3-1/2x5" proof prints. The print pages are interleaved with order form pages. The wedding party need only check off the size and quantity on the adjacent order form.

TVA35 • Preview book	13.95
35T25 • Refill packet (capacity for 150 photos plus order forms)	9.00
BFT35100 • Order forms, 100 per pkg.	9.00

Camera Techniques

Professional Cameraman's Handbook, revised edition

by Verne and Sylvia Carlson.

This is the movie maker's practical "how-to" guide for assembling, threading, and troubleshooting cine equipment. Covers 35mm and 16mm formats. 1981 Focal Press, 575 pages, 5x8", hardbound 29.95

Medium Format Photography

by Ernst Wildi.

Professionals or serious hobbyists unfamiliar with medium format will benefit from this well-illustrated book. Topics include the theory and use of current equipment with emphasis on image sizes, optics, filtration, and macro photography. 1987 Focal Press, 349 pages, 6-1/2x9-1/2", hardbound 37.95

The View Camera: Operations and Techniques

by Harvey Shaman.

This text gives the new large format photographer a well-illustrated guide to camera operation with easy to understand illustrations and text. 1977 Amphoto, 127 pages, 8-1/4x11", softbound 12.95

View Camera Technique, fifth edition

by Leslie Stroebel.

This in-depth text covers large format photography in complete detail from optics to image formation and from camera types to applications. 1986 Focal Press, 305 pages, 8-1/2x11-1/4", hardbound 29.95

Photo Know-How. The art of Large Format Photography

by Carl Koch and Joseph J. Marchesi.

This book is a series of practical exercises to make you familiar with the basic rules vital to full utilization of view camera movements. This self-teaching course is based on the Sinar view camera system, but the assignments and exercises can be used with other cameras. 1983 Sinar Ltd., 232 pages, 9x11-1/2", softbound 25.00

Pro Techniques of Photographing Children

by Erica Stone.

Erica Stone shares her mastery of the craft of photographing children of all ages and in a variety of situations. Each photo is accompanied by full technical data on how it was made. Introduction essays include the psychology of child photography, choosing a location, lighting and exposure techniques, and composition. 1986 HP Books, 128 pages, 8-1/2x11" 9.95

Lighting Techniques

Professional Lighting Handbook

by Verne and Sylvia Carlson.

This is a practical manual for the professional and serious student of cine and video lighting. Some of the topics covered include light quality, filtration, equipment types,

supplementary lighting tools, power generation, and more. Multiple charts and illustrations. Glossary included. 1985 Focal Press, 242 pages, 5x8", hardbound 26.95

Technique of Photographic Lighting

by Norman Kerr.

This text offers a new and engaging discussion of light in photography. The author takes an in-depth look at how lighting effects occur. Technical, practical and emotional effects of light are covered. 1979 Amphoto, 192 pages, 8-1/2x8-1/2", softbound 9.95

How to Control and Use Photographic Lighting

by David Brooks.

This book is a basic and practical guide to professional lighting techniques with natural and supplemental lighting. Illustrations and practical self-tests are included. 1980 HP Books, 8-1/2x10-3/4", softbound 12.95

The Photographer's Guide to Using Light

by Ted Schwarz and Brian Stoppee.

This text offers a thorough review of lighting techniques with an extended discussion of electronic flash. Metering and film characteristics are covered. Individual sections deal with particular lighting styles. 1986 Amphoto, 144 pages, 8-1/4x11", softbound 18.95

Presentation Techniques

The Perfect Portfolio

by Henrietta Brackman.

This is an excellent tool for developing professionals and students of photography. The author offers tips on preparing portfolios utilizing the work of successful professional photographers. 1984 Amphoto, 143 pages, 8-1/2x11", softbound 18.95

Photographic Retouching

by Vila Reed.

Whether to remove flaws or create dynamic changes in the final image, the art of photographic retouching requires patience, skill and, above all, constant practice. This text offers significant insight into the variety of tools and methods used to modify the initial image in the negative and print. Black-and-white film, color film and color separations are covered with a final section on mounting the finished product. 1986 E. Kodak Co., 116 pages, 8-1/2x10-3/4", softbound 24.95

Mounting, Laminating and Texturing

published by Seal Products, Inc.

Mounting and other finishing techniques are the culmination of photographic technique. Wet and dry, along with hot and cold mounting methods are covered. 1986, 87 pages, 8-1/2x11", softbound 11.95

Photo Decor

by John Holland.

Once the image is taken, how can it be applied to every day living? To answer this question the author offers creative ideas for using photography in home, public and commercial interiors. The book offers a multitude of actual displays with suggestions for planning and executing the designs. 1982 E. Kodak Co., 92 pages, 8-1/2x11", softbound 10.95

Technical Guides

Kodak Pocket Photoguide

In a convenient size, this guide offers excellent technical information that the beginning and intermediate photographer will find useful in making better images. This edition covers all current films including VR-G and T-Max series films. 1986 E. Kodak Co., 40 pages, 3-3/4x4-3/4", spiral bound 12.95

Kodak Professional Photoguide

Put the solutions to photographic situations at your fingertips. This reference is the professional's source for information on Kodak films, exposure, lighting, filtration, color temperature, close-up, perspective and more. Written in layman's terms, this guide will prove essential to all photographers. Numerous wheel charts offer practical answers to the user in a compact size. 1986 E. Kodak Co., 44 pages, 5-3/4x8-3/4", spiral bound 19.95

Kodak Color Films and Papers for Professionals

This book offers specific details on the handling and use of Kodak color materials. Film and paper data sheets with sensitometric information comprise approximately half of the book. 1986 E. Kodak Co., 129 pages, 8-1/2x11", softbound 12.95

Kodak Filters for Scientific and Technical Uses

This reference provides technical specifications about Kodak filters. Physical, optical, and transmission characteristics, as well as applications are discussed. Spectrophotometric data and colorimetric data included. 1981 E. Kodak Co., 92 pages, 8-1/2x11", softbound 11.95

The Kodak Workshop Series: Using Filters

Without an appropriate reference the world of photographic filters can seem overpowering to the inexperienced. This guide offers a basic to intermediate discussion of camera filtration. Written in easy-to-understand language, this guide will help serious hobbyists and students of photography to get the most out of Kodak products. Comparative photographs serve as excellent examples of the filtration effects. 1981 E. Kodak Co., 96 pages, 8-1/2x11", softbound 9.95

The Complete Tiffen Filter Manual

by Jorma Hyypia.

Tiffen's special effects, black-and-white and color filters are explored in this text. Written for the inexperienced filter user, this text offers practical experiments for a better understanding of light and filters. 1981 Amphoto, 136 pages, 8x10", softbound ... 9.95

Business Techniques

The Photographer's Computer Handbook

by B. Nadine Orabona.

For those photo professionals who haven't taken the dive into computers, this book provides an excellent introduction and explanation of the use of computer based record-keeping and telecommunications. From a basic discussion of "bits and bytes" through system components to software, the author provides helpful advice on selecting and using computer systems in the photo business. 1984 Wrights Digest Books, 187 pages, 6x9", softbound 14.95

Where and How to Sell your Photographs

by Arvel W. Anters.

A revised edition of a book first published in 1952 which contains a wealth of information for the free-lance photographer. Dozens of pertinent subjects are handled including: analyzing a potential market, how to submit your photos, copyright requirements, model releases, agency representation, pricing, and handling of buyer seller relationships. 1977 Amphoto, 8x10", 256 pages 12.95

Promoting Yourself as a Photographer

by Frederic W. Rosen.

From business cards to gallery showings, the author discusses the ways and means of self-promotion. Practical promotional schemes for limited budgets as well as extended campaigns are reviewed. 1987 Amphoto, 208 pages, 6x9", softbound ... 16.95

The Photographers Guide to Getting and Handling a Successful Exhibition.

By Robert S. Persky.

This practical guide begins at the points when the idea of exhibition first enters the photographers mind. It is a synthesis of experiences and knowledge that author has gained as a gallery director, attorney, author and consultant. Topics include: reasons for having an exhibition, contracting exhibition space, agreements for exhibition spaces, budget, announcements and invitations, publicity, reviewing catalogs, and specials events. The Photographic Arts Center, 123 pages, 8-1/2x11", softbound 24.95

The Photographer's Complete Guide to Exhibition and Sales Spaces

This is a listing of national and international galleries that exhibit and sell photographic images. Listings also include non-profit exhibition spaces, photography

workshops and schools, along with listings of colleges and universities that offer degrees in photography. 1985 The Photographic Arts Center, 130 pages, 8-1/2x11", softbound 19.95

ASMP Professional Business Practices in Photography

This guide from the American Society of Magazine Photographers offers a collection of standardized forms based on a national survey of the organization's membership. Among the many forms and contracts included are bids, estimates, invoices, confirmations, purchase orders and others needed in assignment photography. Sections include discussion of liability, insurance, copyright and releases. A national survey of photographers' rates is included. 1986 ASMP, 112 pages, 8-1/2x11", softbound 27.50

ASMP Stock Photography Handbook

This is a guide to producing and selling images for stock photography. Lists of regional, national and international stockhouses are included. Additional text deals with rights, contracts, forms, image preservation, releases and pricing. 1984 ASMP, 175 pages, 8-1/2x11", softbound 24.00

Shooting Your Way to a Million

by Richard Sharabura.

Anyone considering entry into the business of professional photography should read this book. The author, a very successful commercial photographer, begins with a open discussion of what it takes to become a financial success in a very competitive field. While many books offer guides to composition, lighting, and other practical approaches, this book offers an guide to developing an aggressive attitude for success in business. From finding and wooing high-paying clients to tips on making images that inspire, this text covers the basics. 1981 Chatsworth Studios, Ltd., 256 pages, 7-3/4x10-1/2" hardbound 36.95

The Photographer's Studio Manual

by Michael Freeman.

The components of a successful photography business include attitude, skills and the right blend of equipment. This text offers excellent insight to both skills and the equipment mix. Anyone considering entering the business will benefit from Freeman's suggestions. 1984 Amphoto, 256 pages, hardbound 27.50

Model Release Forms

Protect yourself! Pack of 50 standardized releases on 3-ring punched, 8-1/2x11 paper.. 4.00

Masterworks: The Ansel Adams Series

The Camera

by Ansel Adams.

The first in a comprehensive, three-part series, The Camera covers the approach to

small, medium and large-format equipment. Adams based this series on two concepts: visualization and image management. This is not a guide to specific brands, but a thorough coverage of formats, lenses, and meters, as well as tripods and special purpose equipment. 1980 Little, Brown and Company, 203 pages, 7-3/4x9-3/4", hardbound 25.00

The Negative

by Ansel Adams.

In the second book in the series, Adams thoroughly examines the black and white negative. The text begins with the components of film and moves through exposure and darkroom equipment and procedure. Much of the book deals with the zone system of exposure. 1981 Little, Brown and Company, 272 pages, 7-3/4x9-3/4" hardbound 25.00

The Print

by Ansel Adams.

The final book in this series takes the concept of visualization through the black-and-white printing stage. He begins with a discussion of darkroom design and follows through with details of the printing process including sensitometry. The final section covers mounting, storage and display. 1983 Little, Brown and Company, 210 pages, 7-3/4x9-3/4", hardbound 25.00

Darkroom Techniques

The Chemistry of Photography

In magazine form, this text covers the physical make-up of film emulsions and also includes independent articles on the basic chemical processes involved in both black and white and color processes. 1985 Darkroom Techniques Magazine/Preston Publications, Inc., 55 pages, 8-1/4x10-3/4", softbound 5.00

Photographic Processes: The Chemistry of Photography, Vol. II

In this second volume, color processes are more specifically treated. Alternative formulas for E-6 processing, fine-tuning of C-41 processing and negative processing with E-6 films are covered. 1987 Darkroom Techniques Magazine/Preston Publications, Inc., 64 pages, 8-1/4x10-3/4", softbound 5.00

The Kodak Workshop Series: Building a Home Darkroom

by Ray Miller.

This book takes you through each step of darkroom construction. Wiring, paneling, plumbing, sealing and airflow are covered. Several home darkrooms are displayed which have solved problems of space in unique ways. 1981 E. Kodak Co., 96 pages, 8-1/2x11", softbound 8.95

The Kodak Workshop Series: Black and White Darkroom Techniques

by Hubert C. Birnhamm.

Those entering the darkroom for the first

time will appreciate this easy to understand text on black and white processing. Step by step illustrations guide the reader through basic processing. Techniques for creative images are also included. 1986 E. Kodak Co., 96 pages, 8-1/2x11", softbound8.95

The Kodak Workshop Series: Color Printing Techniques

Discover the excitement of color printing through this basic guide. Printing from slides and negatives is explained using Kodak products. Required equipment and practical aids for the best color results are covered. 1981 E. Kodak Co., 96 pages, 8-1/2x11", softbound8.95

The Kodak Workshop Series: Darkroom Expression

Beyond the basics, this book explores image modifications for exciting results — from simple image distortion to multi-generation posterization. 1984 E. Kodak Co., 96 pages, 8-1/2x11", softbound8.95

Special Interest Photography

The Nikonos Handbook

by Jim and Cathy Church.

While concentrating on the Nikonos underwater camera and accessories, this book also is an excellent general guide to underwater photography. It takes you step by step though the care of your camera, setting up shots, using strobes and more. 1986, 167 pages, 6-1/4x9-1/4", hardbound19.95

Professional Photographic Illustration Techniques

Product illustration is the mainstay of many successful studios. This book is a "how-to" guide on shooting this type of image. The work of a wide spectrum of photographers along with specific explanations of techniques is included. 1978 E. Kodak Co., 136 pages, 8-1/2x11", softbound7.50

Basic Scientific Photography for the Hobbyist, Naturalist and Student

This book covers basic techniques used in scientific recording and investigation. Anyone with a basic understanding of photography can follow and use the information. Topics covered include close-up, medical, infrared and laboratory photography. 1977 E. Kodak Co., 40 pages, 8-1/2x11", softbound\$3.50

The Art and Techniques of Eight Modern Masters: Special Effects Photography

by Kathryn E. Livingston.

Taking an assignment to its creative limits is investigated through 90 color plates by 8 professional photographers. Special effects techniques are illustrated and described. 1985 Amphoto, 144 pages, 8-1/4x11", softbound18.95

The Kodak Workshop Series: Close-up Photography

by William White, Jr.

The information contained in this volume will help you develop your skills in the world of close-up photography. You will learn to extend the range of your camera to produce images at life-size and larger. 1984 E. Kodak Co., 96 pages, 8-1/2x11", softbound8.95

Copying and Duplicating in Black and White and Color

This "how-to" publication covers basic and advanced techniques. Legal copyright restrictions are also covered. 1984 E. Kodak Co., 184 pages, 8-1/2x11", softbound24.95

Image Resource References

Chicago Talent SOURCEBOOK 88

This 555 page book is one of the primary resource guides for Chicago and regional advertising. Photographers, film and video production houses, model makers, typesetters, retouchers, illustrators, printers, stock houses and agencies and more are included. Samples of the Chicago's best in all commercial art fields are included. Alexander Communications, 554 pages, spiral bound50.00

The Creative Black Book 1988 Print • Photography • Illustration • TV

This is the top reference for commercial production in the U.S. From across the country, samples of photographers, illustrators, film and video houses are included. See what the best and the most successful businesses are doing. 1,200 pages, hardbound70.00

Stock Photo and Assignment Source Book

by Fred W. McDarrah.

This is a worldwide resource guide to users of photography. Listings include international photo stockhouses, business, medical, historical, official, media, reference and public information sources. A listing of free-lance photographers is included. 1984 The Photographic Arts Center, 324 pages, 5-1/2x8-1/2", softbound29.95

Finelight Video

This series of instructional video tapes is directed at the working professional photographer. They teach the science, theory and application of basic to advanced photographic techniques. A documentary style is used with interviews, diagrams and photographs to illustrate the evolution of the photographic problem solving. Volumes 1 through 9 feature Dean Collins, one of the most prominent figures in the world of lighting theory and techniques. Volume 10 features Monte Zucker, the undisputed dean of wedding photography. He is regarded as the most influential figure in wedding photography technique in the world. Tapes are available in VHS only.

Volume 1: Commercial Illustration/Tabletop

This tape covers tabletop and product suspension techniques. Collins also discusses neon and multiple exposures.39.95

Volume 2: Commercial Illustration/Large Scale

The creation and manipulation of the environment on a large scale is the subject of this tape.39.95

Volume 3: Contemporary Portraiture

Collins examines contemporary portrait techniques from the basics of lighting and exposure through concept development.39.95

Volume 4: Commercial Portraiture/Studio

Creating a winning commercial portrait is explored in this tape. Proper metering techniques and the creation of a variety of backgrounds, including "Chromazones", are illustrated.39.95

Volume 5: Commercial Portraiture/Location

This tape covers the specifics of three entirely different commercial portraits on location. It explores controlling direct and diffused sunlight and mixing it with flash.39.95

Volume 6: Glamour Using Chromazones

This tape explores the use of Collins' Chromazone backgrounds and its application for portraiture.39.95

Volume 7: Tabletop/Chromazones

Collins covers techniques involved in the creation of striking tabletop images. This tape is invaluable to the photographer interested in mastering environment manipulation in commercial photography.39.95

Volume 8: Fashion/Location

Total control of natural sunlight and the use of portable strobe to simulate sunlight are detailed in this tape. Collins explains the proper metering technique to determine every tone in the final photograph.39.95

Volume 9: Tabletop Catalog Techniques

Controlling specular highlights in product shots is the theme of this session. Highly reflective surfaces of small products and the use of specular gobos are outlined. Also included is a section on Dean Collins' black and white film standardization, which is especially suited for catalog photography.39.95

Volume 10: Wedding Sales with Monte Zucker

Monte Zucker, a master photographic craftsman and salesman, answered the 20 most asked questions about wedding photography.39.95

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Please check over all merchandise carefully. Do not throw away any packaging included with your merchandise, such as boxes, instructions, styrofoam inserts, or promotional materials. Original packaging materials must be enclosed with any returns.

Look the items over carefully for cosmetic flaws, read the instructions supplied, and test the items for correct operation.

Save your Helix invoice. Proof of purchase is often one of the requirements for warranty registration.

In some cases, equipment comes with a warranty card to be mailed to the manufacturer/distributor. Do not fill out this warranty card until you have checked that the equipment is operating properly.

If there are any problems with your shipment or you have any questions regarding your order, please call our customer service representative at 312/421-6000.

Defective merchandise:

All defective merchandise must be returned within 14 days after receipt of the order. All returns must be in perfect cosmetic condition, returned with the original packaging, and submitted with a copy of the Helix invoice and a letter clearly stating the reason for return.

Merchandise returned not in accordance with our policy will be subjected to a restocking fee.

After 14 days or after filling out the manufacturer's warranty registration, any problem encountered should be referred to the manufacturer warranting that merchandise.

Warranty information:

Helix only warranties Helix brand-name merchandise and equipment sold on invoices clearly marked as having a Helix Warranty. All other warranties, whether actual or implied, are between the manufacturer or manufacturer's United States distributor and the purchaser of the product. Please let the Professional Services Department know if you are experiencing warranty or service difficulties with a manufacturer or distributor. We do all we can to ensure that the professional products we sell are properly backed and serviced.

Equipment for sale or trade-in:

Contact us to find out if we are interested in your equipment. If we are, we'll have you send it to us. After it arrives, Helix will take full responsibility for it, give a firm quotation, and proceed with the transaction upon your approval. If our offer is not acceptable, we will return your equipment. We cannot give value estimates of equipment for sale or trade-ins on the phone. If you need assistance to determine the best way to forward your equipment for evaluation, call us at 312/421-6000.

Used equipment:

Helix has a large inventory of all types of used equipment. Each item is thoroughly checked before being priced, and most come with a Helix 6-month warranty. Please call to find out what is available. Used equipment is sold subject to your approval.

Can't find what you're looking for?

Write us at our Racine Avenue store, or call us at 312/421-6000.

Special order items:

If you are interested in ordering a non-stock item, we can special order it for you. When placing a special order item, we require a 50% non-refundable deposit. Merchandise cannot be cancelled after the special order has been placed.

Here's where we are:

Please visit us when you're in Chicago. Our Racine Avenue store is the largest photo store in the U.S., with extensive displays of equipment which we'd be happy to demonstrate.

Or stop in any of our other stores in Deerfield, Lombard, Wilmette, Champaign, Milwaukee, or our Mini stores in the Chicago Loop. For hours or information call:

Helix, Racine Avenue, Chicago	312/421-6000
Helix, 3 First National Plaza, Chicago	312/444-9373
Helix, CBOE Building, Chicago	312/663-3650
Helix, Deerfield, Illinois	312/564-3200
Helix, Lombard, Illinois	312/932-9350
Helix, Wilmette, Illinois	312/251-6090
Helix, Champaign, Illinois	217/351-7500
Helix Photoart, Milwaukee, WI.	414/271-2252



HELIX

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312/421-6000

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