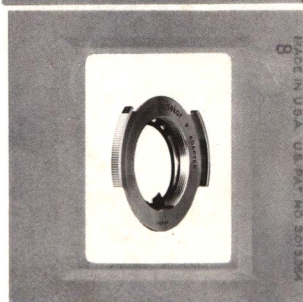
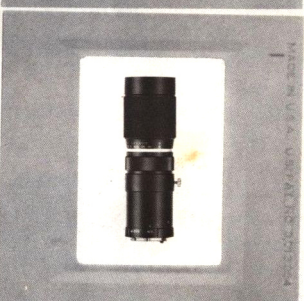
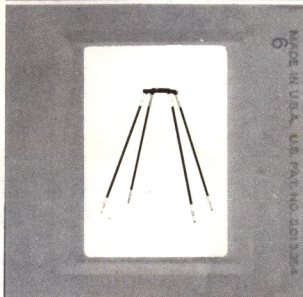


mamiya/sekor auto XTL

lenses and accessories



The mamiya/sekor auto XTL camera system

The new Mamiya/Sekor Auto XTL camera system started with a great deal of consumer research. Before designing the system, we listened. To amateurs, professionals, photo dealers, editors of photographic magazines. After designing the camera we went back to these people for honest criticism.

The result is a camera that contains unique innovative features. Each one based on a real need by a photographer. Each tested exhaustively to make sure it works.

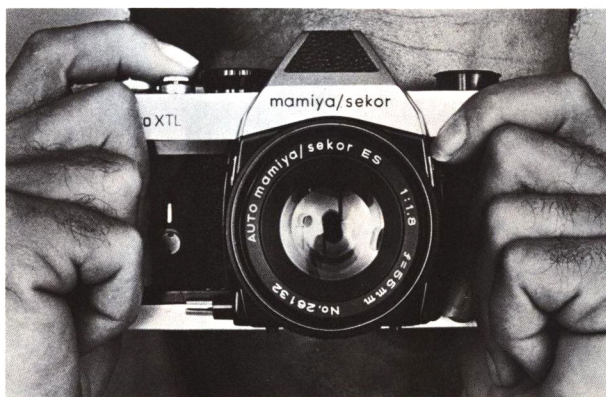
An automatic 35mm SLR camera with manual over ride.

A choice of two through-the-lens metering systems.

Motor drive and bulk load capabilities without any body modifications.

Innovative features derived from psychometric research.

It all adds up to a very unique and singularly responsive new SLR system of photography. See the new Mamiya/Sekor Auto XTL. Your dealer will be happy to help you with a demonstration.



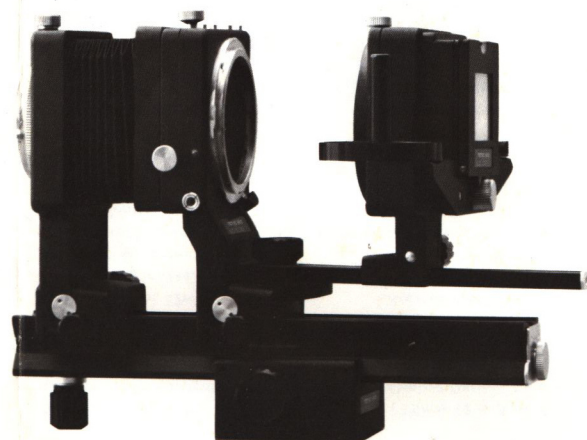
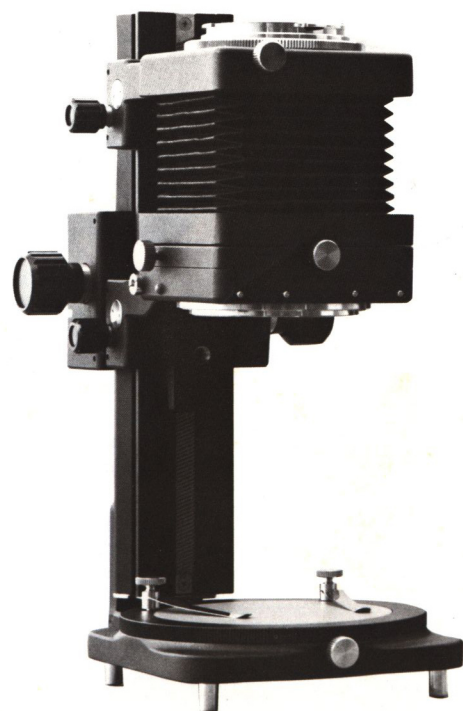
mamiya/sekor auto XTL bellows system (with slide copier and macrophotography copy stand)

The Auto XTL bellows and camera slider extend the XTL system into macrophotography, slide and filmstrip copying. It is an extremely versatile system, operating horizontally or vertically. The slider can even be removed from the bellows and used separately for special jobs. Open aperture viewing is provided with the lens in either the normal or the reverse position. Dovetail rack and pinion gears move smoothly along nylon races to provide a focusing system with the feel of a micrometer. The camera can be freely adjusted forward or backward while the tripod or other supporting device remains fixed, providing unusual

focusing convenience. Yet control is so accurate you can shoot precisely aligned stereo pairs. The camera lens flange used for mounting the camera body to the bellows uses the same red dot system found on lens mounts. To control composition, the rear mounting flange rotates for vertical or horizontal camera position. A switch on the lens standard permits open aperture viewing. The red dot on the lens flange aligns with the raised red dot on the lens barrel, and the assembly slides smoothly onto the bellows track. A detachable magnification scale makes it easy to determine magnification. By using the double cable

release the photographer can view at open aperture and the lens will stop down to the selected aperture the moment the shutter is activated. Photographs made at extreme magnification can be optimized in terms of image quality by reversing the taking lens, increasing sharpness at corners. Slider and focus rail are separate modules. The entire bellows system slides forward or backward while maintaining the distance between the lens and camera, enabling the photographer to focus on his subject without changing the desired magnification ratio. The versatile focus rail also accepts the bellows system mounted in a perpendicular position. This lateral control allows the photographer to shoot a series of fixed magnification photographs of a subject too large to fill one frame.

The Macrophotographic Stand ES can be set up vertically or horizontally for front or back illumination. The microscope-type stage is supported by five feet for stability, and rotates 360°. The stand assembly incorporates an 18% neutral gray insert, a clear glass insert and spring specimen clips. The slide copier ES attaches quickly and securely to the bellows unit, providing magnification from .9x to 2.5x. Dovetail slide provides smooth control and stability. Slide copier bellows is held in place with magnets for secure storage. Slide holder adjusts vertically or horizontally for cropping at magnifications greater than 1:1.



accessories



Mamiya/Sekor Automatic Extension Rings 14mm and 46.5mm ES
Provides fully automatic coupling to the EE metering system for automatic exposures at magnifications of .46X with 14mm extension ring and 1.13X with 46.5mm extension ring. When used in combination the 14mm and 46.5mm extension tubes together will provide a magnification of 1.35X



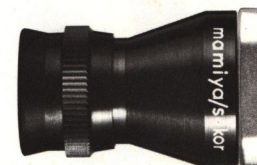
Chest Unipod
Special unipod with adjustable strap for use in situations requiring more stability than hand-held operation, but where the use of a conventional tripod is impractical.



Mamiya/Sekor Right Angle Finder ES (with case)
Right angle finder provides convenient image viewing and focusing in special photographic situations. Finder provides erect image at zero magnification. Provided with rubber eyecup and adjustable diopter correction from -5 to +5.



Microscope Adapter ES for Photomicrography
Permits bayonet mounting of camera to most microscopes. Camera can be removed quickly from microscope with quick release for more convenient viewing. Accommodates standard microscope oculars up to 25mm in diameter.



Mamiya/Sekor Magnifier ES
Provides 3.1X magnification (reverse image) for critical focusing. Provided with adjustable diopter correction from -5 to +5.



Mamiya/Sekor Portable Copy Stand ES
Lightweight, easy to set up and use for general purpose document and book copying, and three dimensional objects. Supplementary lens provided for mamiya/sekor auto ES 55mm normal lenses.



Mamiya/Sekor Collapsible Rubber Lens Shades.

mamiya/sekor automatic and preset ES lenses for the auto XTL camera

The new Mamiya/Sekor Auto XTL system of ES lenses helps the photographer take pictures as though the system were a modern "light writing" machine with the photographer as the operator. Computer technology played a significant role in designing optical formulae that would optimize image fidelity, and mechanically, function perfectly with the auto XTL's sophisticated automatic aperture control.

- Lenses from 21mm through 200mm and 90-230 zoom provide automatic aperture control with camera's automatic metering system
- Bayonet mount lenses lock securely in place and release at the touch of a button
- Fluted rubber focusing rings provide secure grip for removal and finger tip focusing
- Raised red beads make it easy to attach the lens by sight or feel without fumbling
- Lenses are tapered so that fingers can find aperture and focusing rings by feel alone
- Normal and medium telephoto lenses have built-in retractable lens hoods to protect against extraneous light
- Each lens automatically keys a red indicator in the viewfinder to show its maximum aperture

21mm f4 Auto ES
Optical Design: 9 elements, 8 groups
Angle of Acceptance: 91°
Aperture Range: f4-f16
Minimum Focus: 1½ feet
Accessory Size: 58mm
Length: 2½ in. (56.2 mm)
Weight: 11⅙ ounces (320 gr.)
Max. Barrel Diameter: 2½ in. (63.4 mm)
Auto EE Control: Yes
Lens Hood: None required

28mm f2.8 Auto ES
Optical Design: 7 elements, 6 groups
Angle of Acceptance: 75°
Aperture Range: f2.8-f16
Minimum Focus: 1½ feet
Accessory Size: 58mm
Length: 2¾ in. (60 mm)
Weight: 10⅙ ounces (300 gr.)
Max. Barrel Diameter: 2⅜ in. (67.4 mm)
Auto EE Control: Yes
Lens Hood: Slip-on

35mm f2.8 Auto ES
Optical Design: 6 elements, 5 groups
Angle of Acceptance: 63°
Aperture Range: f2.8-f16
Minimum Focus: 2 feet
Accessory Size: 52mm
Length: 2⅞ in. (62.4 mm)
Weight: 9⅞ ounces (280 gr.)
Max. Barrel Diameter: 2⅝ in. (65.2 mm)
Auto EE Control: Yes
Lens Hood: Slip-on

55mm f1.8 Auto ES
Optical Design: 6 elements, 5 groups
Angle of Acceptance: 43°
Aperture Range: f1.8-f16
Minimum Focus: 1½ feet
Accessory Size: 52mm
Length: 1¾ in. (44.7 mm)
Weight: 9⅞ ounces (270 gr.)
Max. Barrel Diameter: 2½ in. (63.4 mm)
Auto EE Control: Yes
Lens Hood: Built-in

55mm f1.4 Auto ES
Optical Design: 7 elements, 5 groups
Angle of Acceptance: 43°
Aperture Range: f1.4-f16
Minimum Focus: 1½ feet
Accessory Size: 52mm
Length: 2¾ in. (52 mm)
Weight: 12⅙ ounces (360 gr.)
Max. Barrel Diameter: 2⅝ in. (65.8 mm)
Auto EE Control: Yes
Lens Hood: Built-in

60mm f2.8 Macro Auto ES
Optical Design: 5 elements, 4 groups
Angle of Acceptance: 39°
Aperture Range: f2.8-f16
Minimum Focus: 9¼ in.
Accessory Size: 52mm
Length: 2⅝ in. (66.7 mm)
Weight: 9 ounces (255 gr.)
Max. Barrel Diameter: 2⅝ in. (73 mm)
Auto EE Control: Yes
Lens Hood: None required

105mm f2.8 Auto ES
Optical Design: 4 elements, 4 groups
Angle of Acceptance: 23°
Aperture Range: f2.8-f16
Minimum Focus: 5 feet
Accessory Size: 52mm
Length: 3⅝ in. (81 mm)
Weight: 14⅞ ounces (400 gr.)
Max. Barrel Diameter: 2¼ in. (67.2 mm)
Auto EE Control: Yes
Lens Hood: Built-in

135mm f2.8 Auto ES
Optical Design: 4 elements, 4 groups
Angle of Acceptance: 18°
Aperture Range: f2.8-f16
Minimum Focus: 5 feet
Accessory Size: 58mm
Length: 4⅞ in. (98.5 mm)
Weight: 1 lb. 2⅙ ounces (530 gr.)
Max. Barrel Diameter: 2⅝ in. (74.5 mm)
Auto EE Control: Yes
Lens Hood: Built-in

200mm f3.5 Auto ES
Optical Design: 4 elements, 4 groups
Angle of Acceptance: 12°
Aperture Range: f3.5-f16
Minimum Focus: 7½ feet
Accessory Size: 67mm
Length: 6⅞ in. (159 mm)
Weight: 2 lbs. 1⅞ ounces (960 gr.)
Max. Barrel Diameter: 3⅝ in. (83.4 mm)
Auto EE Control: Yes
Lens Hood: Built-in
Adjustable Tripod Socket: Yes

90-230mm f4.5 Auto ES
Optical Design: 11 elements, 6 groups
Angle of Acceptance: 27° at 90mm
10° at 230mm

Aperture Range: f4.5-f16
Minimum Focus: 8 feet
Accessory Size: 58mm
Length: 8½ in. (216 mm)
Weight: 2 lbs. 3¼ ounces (1000 gr.)
Max. Barrel Diameter: 2⅞ in. (66 mm)
Auto EE Control: Yes
Lens Hood: Built-in
Adjustable Tripod Socket: Yes
All Mamiya/Sekor Auto ES Lenses (except for the 90-230mm f4.5) are supplied with a "smoked-glass" plastic case. The 90-230mm f4.5 and the three Preset Lenses are supplied with their own leather cases.

Mamiya/Sekor Preset ES Lenses for Auto XTL Camera

400mm f6.3 Preset ES
Optical Design: 3 elements, 3 groups
Angle of Acceptance: 6°
Aperture Range: f6.3-f32
Minimum Focus: 30 feet
Accessory Size: 72mm
Length: 1 ft. 1⅝ in. (322 mm)
Weight: 2 lbs. 2⅞ ounces (980 gr.)
Max. Barrel Diameter: 2⅞ in. (75 mm)
Exposure Control: Preset
Lens Hood: Provided — 72mm screw-in
Adjustable Tripod Socket: Yes

600mm f8 Preset ES
Optical Design: 3 elements, 3 groups
Angle of Acceptance: 4°
Aperture Range: f8-f32
Minimum Focus: 33 feet
Accessory Size: 41.27mm (Series VI)
Drop-in
Length: 1 ft. 7¼ in. (487 mm)
Weight: 4 lbs. 4⅙ ounces (1950 gr.)
Max. Barrel Diameter: 3⅝ in. (94 mm)
Exposure Control: Preset
Lens Hood: Provided
Adjustable Tripod Socket: Yes

800mm f8 Preset ES
Optical Design: 4 elements, 4 groups
Angle of Acceptance: 3°
Aperture Range: f8-f32
Minimum Focus: 60 feet
Accessory Size: 41.27mm (Series VI)
Drop-in
Length: 1 ft. 10¾ in. (578 mm)
Weight: 5 lbs. 6⅙ ounces (2450 gr.)
Max. Barrel Diameter: 4⅞ in. (116 mm)
Exposure Control: Preset
Lens Hood: Provided
Adjustable Tripod Socket: Yes

"P" Adapter ES
Special "P" adapter allows the use of automatic (or preset) Praktica, Mamiya/Sekor-Pentax-type thread lenses. The automatic diaphragm of these lenses will function the same as on other cameras. The use of the adapter switches the camera from completely automatic EE to a "matched needle" operation.

"T" Adapter ES
The "T" adapter allows the use of Praktica, Mamiya/Sekor-Pentax-type preset lenses in a "matched needle" operation.



"P" Adapter



"T" Adapter



21mm f4



28mm f2.8



35mm f2.8



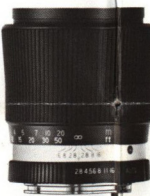
55mm f1.8



55mm f1.4



60mm f2.8 macro



105mm f2.8



135mm f2.8



200mm f3.5



90-230mm f4.5



400mm f6.3



600mm f8

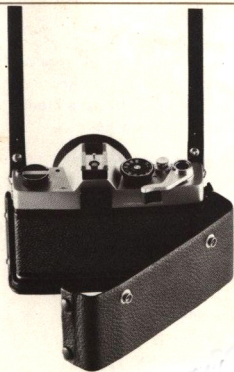


800mm f8

cases for lenses & camera

Lens Cases E5

Reinforced black leather construction with tight fitting lid and positive snap lock. Specially designed for Mamiya/Sekor Auto lenses.



Eveready Carrying Case

The Auto XTL camera case incorporates a unique convenience feature. Its back is hinged, like the camera itself. You don't have to remove the camera from the case to load film. Soft Eveready case also available.

mamiya/sekor auto XTL

Marketed by **Ponder&Best, Inc.**
11201 West Pico Boulevard,
Los Angeles, California 90064.