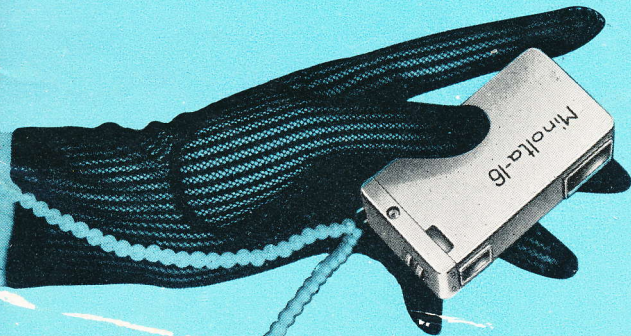


www.butkus.us

MINOLTA "16"



owner's manual

**For every man, woman,
and youngster who has ever
said, "Oh what I wouldn't give
for a camera right now!"**



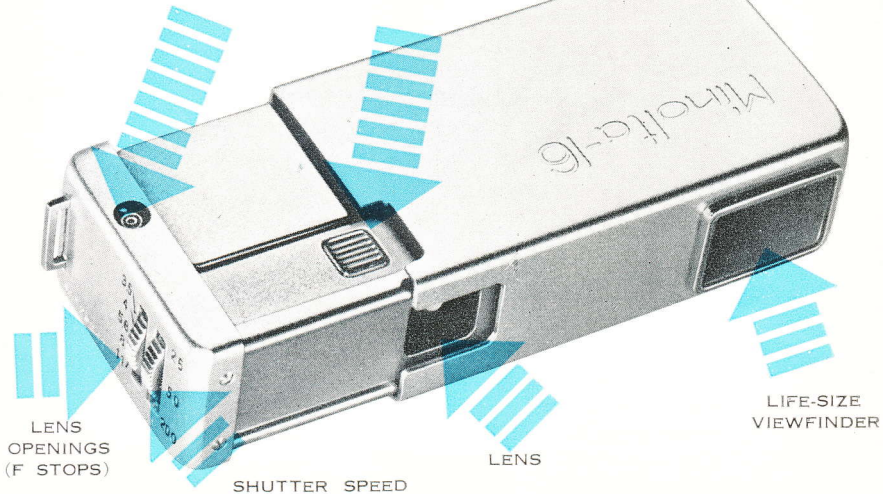
Smaller than a pack of cigarettes, the Minolta "16" hides in your pocket-snuggles in your purse....always ready to extend the fun of picture taking from an occasional prepared pleasure, to an on-the-impulse delight.

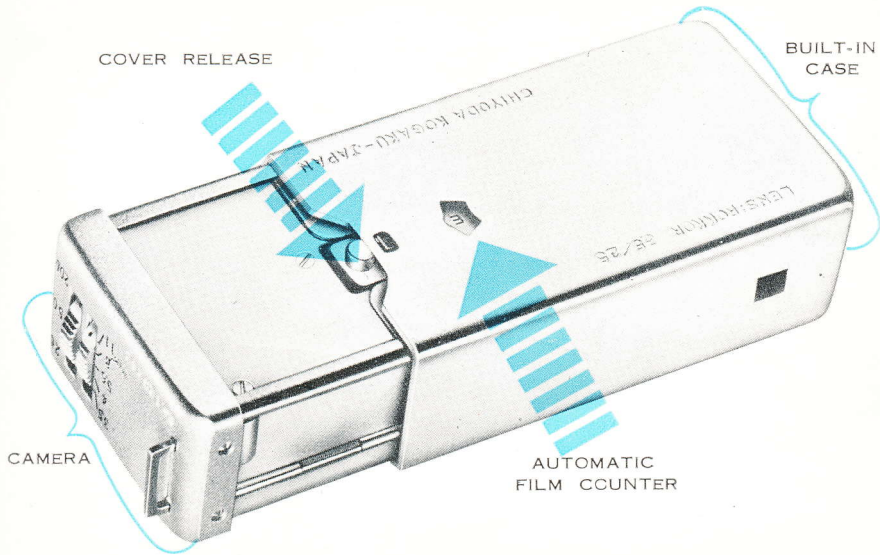
Easier to use than a box camera, Minolta "16" provides the versatility demanded by professionals.

For regular black and white photos or color slides - indoors or out - you just can't beat the fun of taking pictures with a Minolta "16".

FLASH TERMINAL SHUTTER RELEASE

Minolta-16





COVER RELEASE

BUILT-IN
CASE

CAMERA

AUTOMATIC
FILM CCUNTER

o n t e n t s

Major Parts of Minolta "16" with Names

IF YOU KNOW NOTHING ABOUT CAMERAS How to Use the Minolta "16" Sighting, Composing, Operation, How to Hold the Camera

INDOOR PICTURES Flash Bulbs, Electronic Flash, TRIX Film

Color Picture Slides

Loading Film into Your Minolta "16"

Unloading Finished Film

FURTHER INFORMATION FOR ADVANCED PHOTOGRAPHERS

Close-up Lenses

Depth of Field Scale

How to Load Your Own Bulk Film If You Want to

ACCESSORIES Minolta Baby B.C. Flash Gun

Flash & Tripod Adapter Clamp

Filters

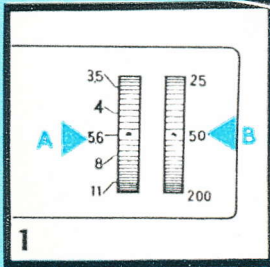
Minolta Mini Projector

Minolta Mini-Enlarger

Other Minolta Cameras

This is Where Your Minolta Comes from

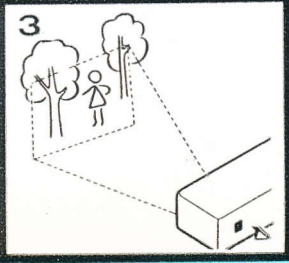
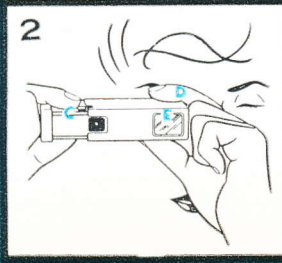
if you know nothing about cameras



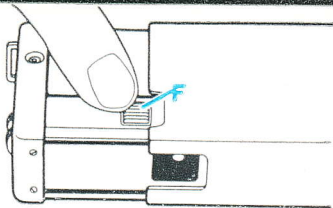
- 1. SET F-STOP: SET SPEED:** Set the lens openings (A) and shutter speed (B) as shown on the exposure table enclosed with each roll of film...by rolling red dot on wheel opposite desired speed and opening.

Practice the following before putting in film:

- 2. SIGHT:** Pull camera (C) out of built-in case (D) as far as it will go and look through viewfinder (E).
- 3. COMPOSE:** Looking through viewfinder, shows subject as it will appear on film. Keep camera at least 6½ feet from subject.



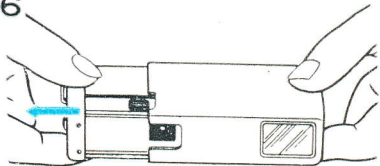
4



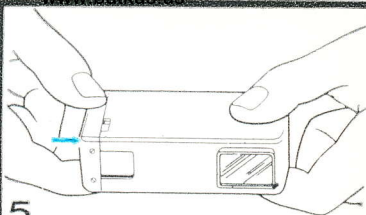
4. PRESS RELEASE (F): That's all there is to taking a picture.

6. PULL OUT: Pull camera out of case as far as it will go and as you did in 2. This advances film, cocks shutter, and counts film—all automatically.

6



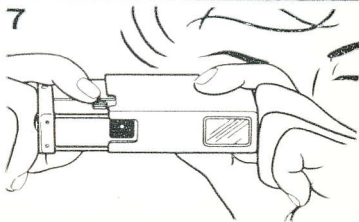
5



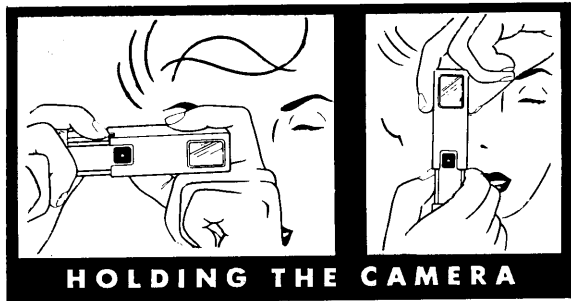
5. PUSH TOGETHER: Push camera back into built-in case as far as it will go.

7. TAKE YOUR NEXT PICTURE: To snap your next picture, simply repeat Steps 2, 3, and 4.

7



Hold camera either horizontally or vertically, anchoring it to your brow. The important thing is to hold the camera absolutely steady at the moment you press the release button. Never tip or jerk your finger on the release. Instead, squeeze it gently.



indoor pictures

(or any pictures in dim light)

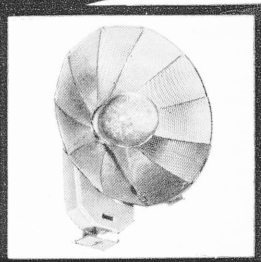
THE FLASH GUN

The Minolta "16" is completely synchronized for flash pictures. When used with the Minolta Baby Flash described on Page 18, there are almost no limitations. This compact flash gun can be attached to the camera or held in your hand.

Shutter speed should be set at 1/25 or 1/50 depending on the type of flash bulb. (See chart.) Lens opening or F stop is determined by referring to guide No. of flash bulb type. You can also use any Electronic Flash unit with a computer terminal.

Where you have fairly good light, you can use TRI-X Film. TRI-X is a very fast film that can be used under minimum lighting conditions. Like all Minolta "16" film, it comes in a 20-exposure cartridge, but should be loaded and unloaded only in subdued light. Suggested lens and shutter settings are included with every roll of film.

TRI-X
Film



Advisable speeds for flash bulbs
and electronic flash units

Type	Shutter Speed
F Class Bulb	1/50 or 1/25 sec.
M Class Bulb	1/25 sec.
Electronic Flash	1/200 or 1/50 or 1/25 sec.

Color Picture Slides

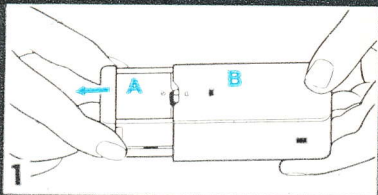
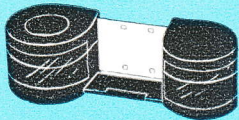
Yes, you can take color picture slides with your Minolta "16"
And these slides will come back mounted, to fit any 35 mm
projector.

These slides can project to fill an entire screen....and be enjoyed
by your entire family, or group of friends at one time.

If you don't own a projector, or are thinking of a new one,
make sure you see the Minolta Mini-Projector described on
Page 20. You won't find a more compact, precision-made,
economically priced projector. It features the world famous
Rokkor lens.



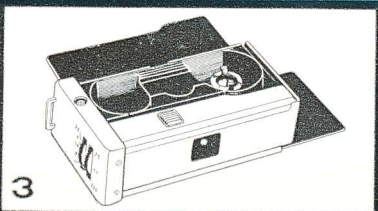
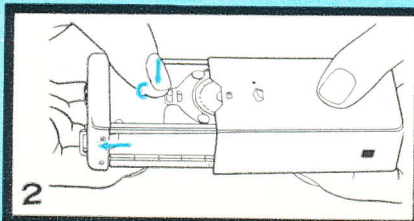
loading the camera

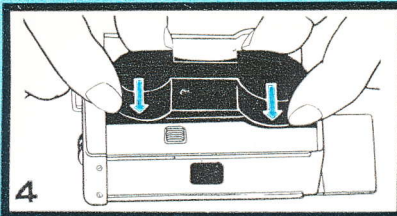


1. Pull camera (A) out of built-in case (B) as far as it will go.

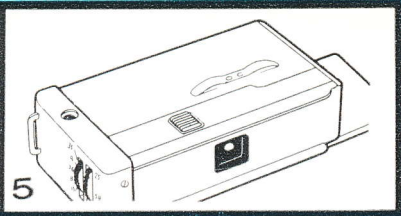
2. Depress clasp (C) so that camera can be pulled entirely out of case.

3. Lift film door on other side of camera.

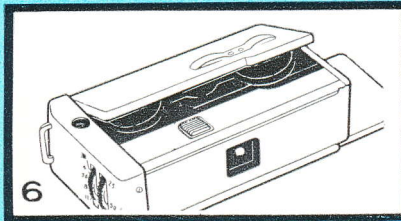




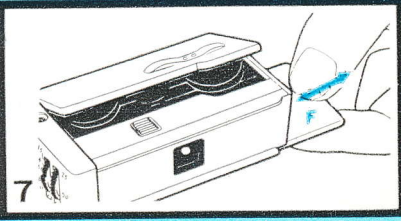
4. Drop in film magazine.



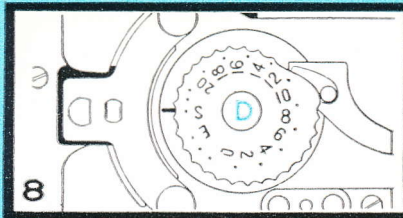
5. Close film door.



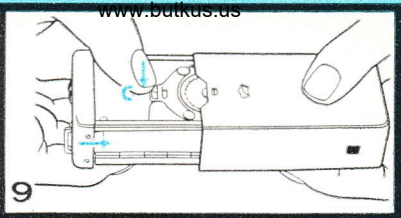
6. If door does not close, it is because magazine has not gone all the way in.



7. To correct this, push sliding plate (F) in slightly and try to press film in. If still unsuccessful, push sliding plate in again slightly, and repeat. This will work everytime.



8. Turn number dial (D) counter clockwise until the letter "S" lines up with the red line.



9. Slide camera back into built-in case, depressing clasp (C).

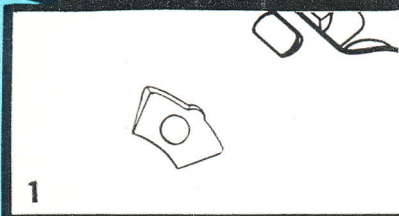


10. Catch (G) (which moves up and down when clasp is pressed) should be seated in the opening to the right of the Film Counter Window as shown above.

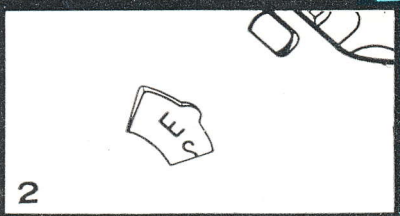


11. Move camera out and in twice. Number 20 will now appear in Counter Dial Window, showing you have 20 pictures to take. Pull camera out a third time and take your first picture.

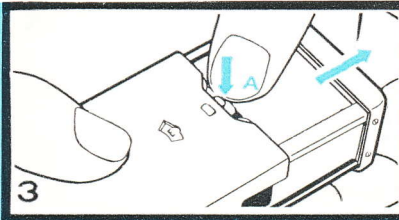
removing the exposed magazine



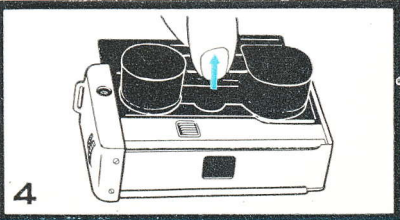
1. Keep taking pictures til the "O" appears in the Counter Dial Window.



2. Now push camera in and out of case three times—until an "E" appears in the Counter Dial Window.



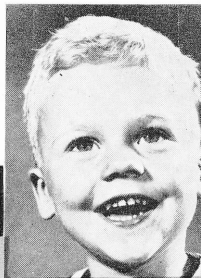
3. Depress Clasp (A) and pull camera out of built-in cover—as you did when loading.



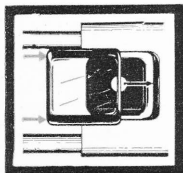
4. Open film door and remove magazine. That's all there is to it!

further information for advanced photographers

- ▶ The f:3.5 Rokkor 25 mm lens provides extreme depth of field. You are in sharp focus from 6 feet to infinity.
- ▶ For close-ups, two lens attachments are included with your camera. They enable you to close in to 21 inches.

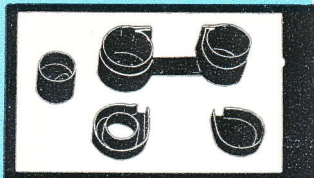


close-up lenses



Depth of Field Scale

Lens Opening	Without Close-up Lens	With No. 1 Close-up Lens	With No. 2 Close-up Lens
F 3.5	11 Ft. to 34 Ft.	3.38 Ft. to 4.43 Ft.	1.77 Ft. to 2.2 Ft.
F 4	10.5 Ft. to 40 Ft.	3.3 Ft. to 4.46 Ft.	1.74 Ft. to 2.23 Ft.
F 5.6	9 Ft. to 90 Ft.	3.2 Ft. to 4.70 Ft.	1.67 Ft. to 2.4 Ft.
F 8	7.5 Ft. to Infin.	2.98 Ft. to 5.18 Ft.	1.57 Ft. to 2.62 Ft.
F 11	6.2 Ft. to Infin.	2.82 Ft. to 6 Ft.	1.37 Ft. to 3.5 Ft.

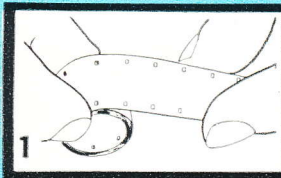


Before starting, arrange all parts of the magazine so that you can locate them in the dark. Also practice loading, with your eyes closed, until you know it to the last detail.

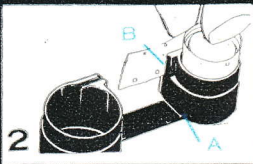
how to load your own bulk film into the Minolta "16" magazine

(if you so desire)

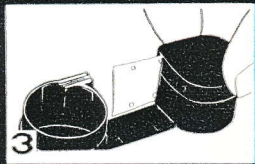
IN TOTAL DARKNESS



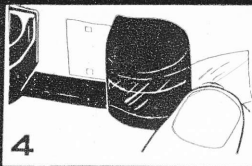
1. Cut an 18" strip of film. Wind it into a small roll with the emulsion side in. Don't touch either side with your fingers.



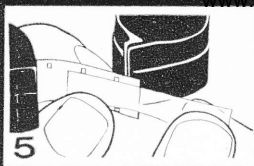
2. Place 18" film roll in smaller chamber of magazine (A), threading about an inch through slit (B) so that the end of the film protrudes.



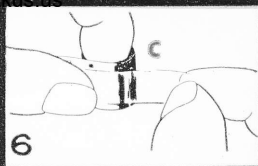
3. Put cover tightly over smaller chamber. At this point, it should look like this drawing.



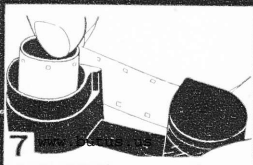
4. Secure cover to magazine with a piece of pressure sensitive tape.



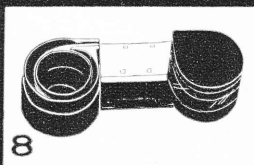
5. Stick a piece of pressure sensitive tape on film so that half of the adhesive part hangs off as above.



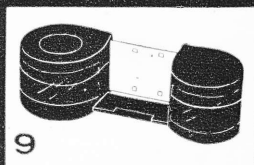
6. Hold film winding drum (C) on fore finger, like a thimble. Place it on a flat surface, line up with film and fix hanging end of tape.



7. Wind $1\frac{1}{2}$ times around drum-making sure it rolls straight, and place in larger chamber, threading through slit.



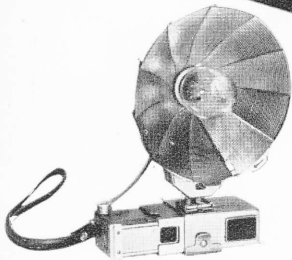
8. It should now look like this:



9. Fit remaining cap over large chamber and secure with pressure sensitive tape. Label magazine as to film type.

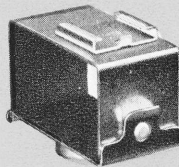
If you do not immediately load into your camera, wrap the magazine in light-proof paper for storage.

accessories



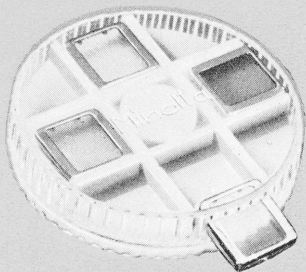
MINOLTA BABY FLASHGUN

The Minolta Baby Flashgun is engineered for indoor photos. It is conveniently carried in an attractive vinyl zippered carrying case. The Minolta Baby Flashgun is an extremely compact unit with the modern B-C (long-life battery) design and a fan-type, collapsible reflector. When folded into its case, the Baby Flashgun is just about the same size as the tiny Minolta "16".



FLASH AND TRIPOD ADAPTER CLAMP

The Minolta Clamp secures the Baby Minolta Flashgun or any tripod to your Minolta "16". This unique "wraparound" clamp safely locks the camera and accessories together.



MINOLTA FILTER BANK

To bring out truer tones, and give you better looking pictures.

There are 4 filters in this unique, handy pack:

1. Ultra-violet Filter—for daylight photographs, to improve distant scenes by eliminating haze effects.
2. No. 80 A Filter—converts daylight type Kodachrome or Anscochrome for use with photoflood lights indoors.
3. Yellow Filter—to deepen sky tones, bring out cloud effects, and for better tonal rendition of bright outdoor scenes—particularly on sea, snow or sand.
4. Filter 81 A—to be used with electronic flash.

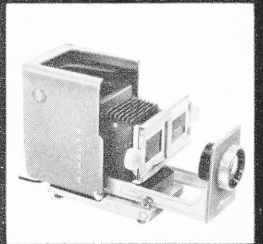
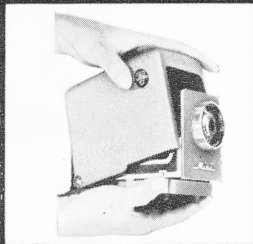
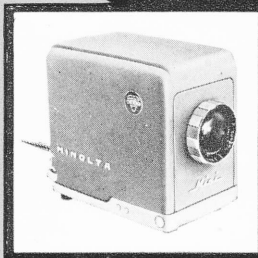


WITHOUT FILTER



WITH YELLOW FILTER

Minolta Mini Projector

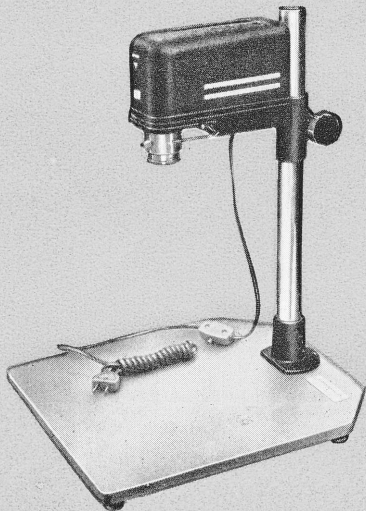


For Color Slides

The Minolta Mini Projector is a compact, light-weight projector of unique design. Like the tiny Minolta "16" which provides "big camera" performance in subminiature size, the Mini Projector is engineered to give "big projector" performance. It casts unusually brilliant on-screen images with its short focal-length $f:2.5$ lens. Its projection rivals many 500 watt machines of much greater size. Carriers for the Minolta "16" slides and 35 mm frames, are available for the Mini Projector. In addition, accessory automatic slide-changers and film strip carriers make the Minolta Mini Projector a versatile instrument for both amateur and professional.

MINOLTA MINI ENLARGER

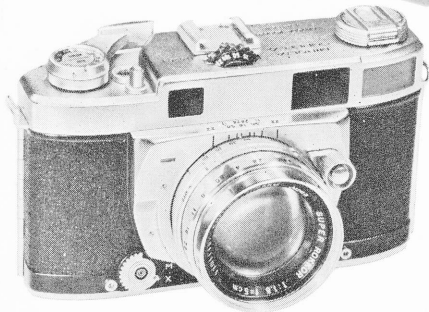
For use with Minolta "16" film. It will provide excellent enlargements up to 5×7 in size on the baseboard. Complete with f:3.5-25 mm coated Rokkor lens. Diaphragm stops down to f:11. The enlarger comes complete with 16 mm film carrier and 100 watt bulb.



other famous Minolta cameras

featuring

MINOLTA 'A'

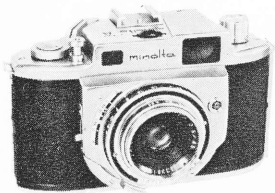


MINOLTA SUPER 'A'

Fully automatic: Single-stroke lever advances film, counts exposure, resets shutter... Rokkor 45 mm, 4-element f:3.5 lens, completely coated and color corrected for color film...single window range/viewfinder shutter speeds from 1 sec. to 1/300 and bulb...MX flash synchronization.

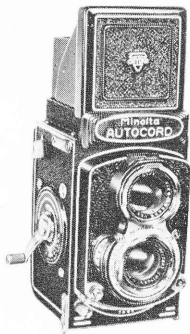
Coupled exposure meter system, available (automatically sets shutter speed); interchangeable lenses; fully synchronized at all shutter speeds; ultra-brilliant "Lumi-Frame" viewfinder; single window range/viewfinder; shutter speed from 1 sec. to 1/400 & bulb; automatic film counter resets itself; single-stroke lever advances film, counts exposure and resets shutter; rapid film rewind; with Rokkor 50 mm f:1.8 lens, completely coated and color corrected.

**the unsurpassed
Rokkor Lens :**



MINOLTA 'A 2'

Same automatic features as the 'A'....plus a 5-element Rokkor f : 2.8 lens..... brilliant "Lumi-Frame" range/viewfinder shutter speed to 1/400 and built-in self-timer.

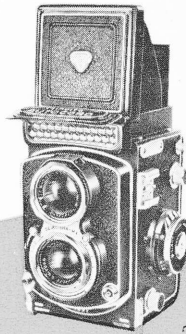


MINOLTA AUTOCORD

Fully automatic, film advance and shutter cocking.....4-element Rokkor coated f : 3.5, 75 mm lens and matching f : 3.2 viewing lens....shutter speeds from one sec. to 1/500 and bulbone-hand operation with helicoid focusing from 3.3 ft. to infinity.... direct reading light value scale.

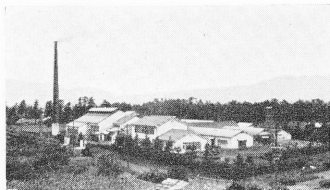
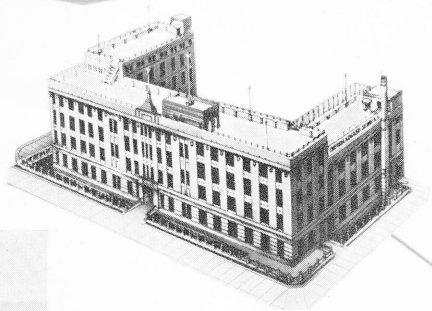
MINOLTA AUTOCORD

Same exceptional features as the AUTOCORD...plus built-in exposure meter correlates with simple light value scale.

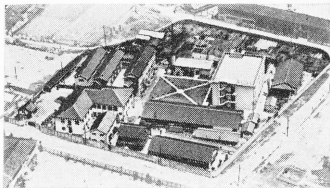


this is where your "Minolta" comes from

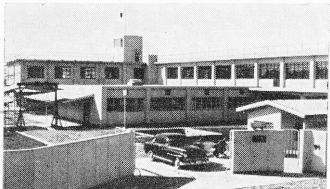
HEAD OFFICE
& OSAKA FACTORY



ITAMI FACTORY



SAKAI FACTORY



TOYOKAWA FACTORY



CHIYODA KOGAKU SEIKO K. K. OSAKA, JAPAN

4110-D102

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