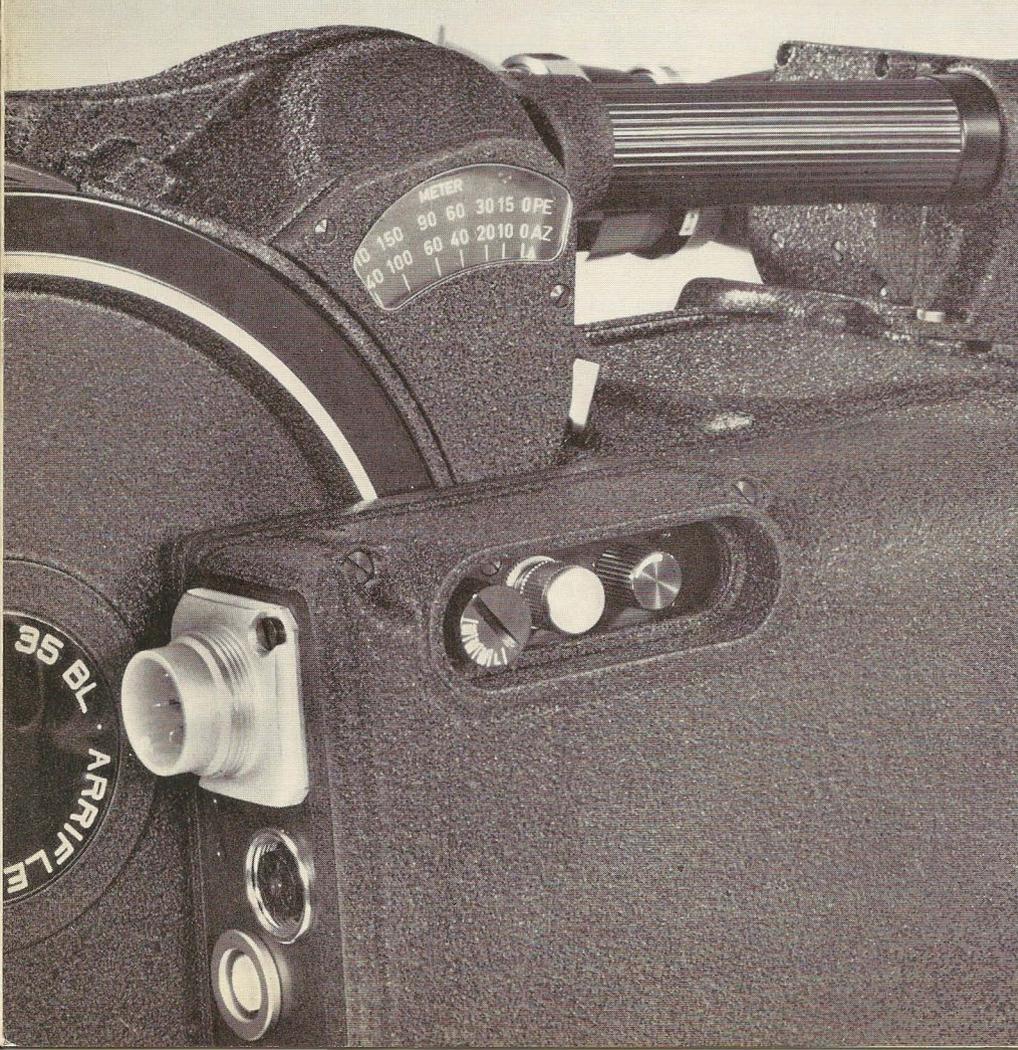
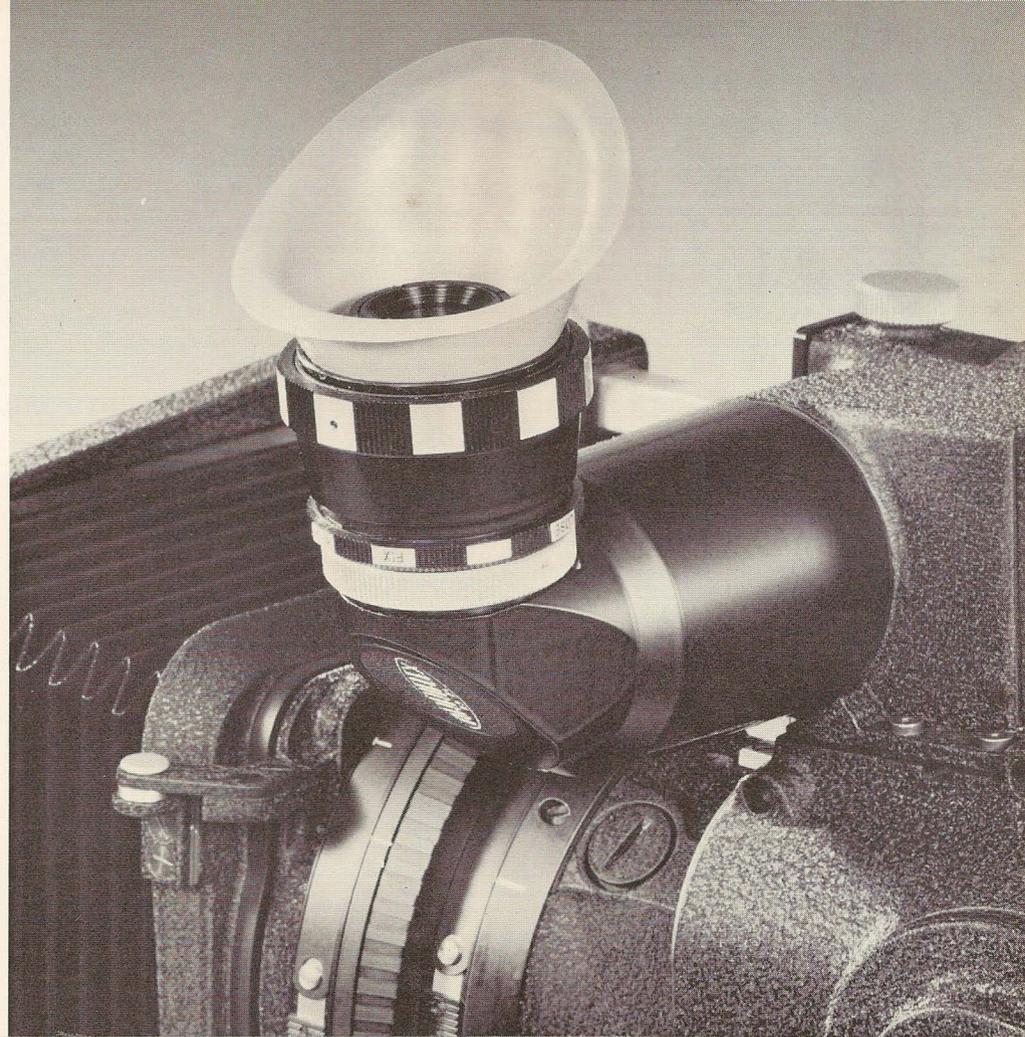


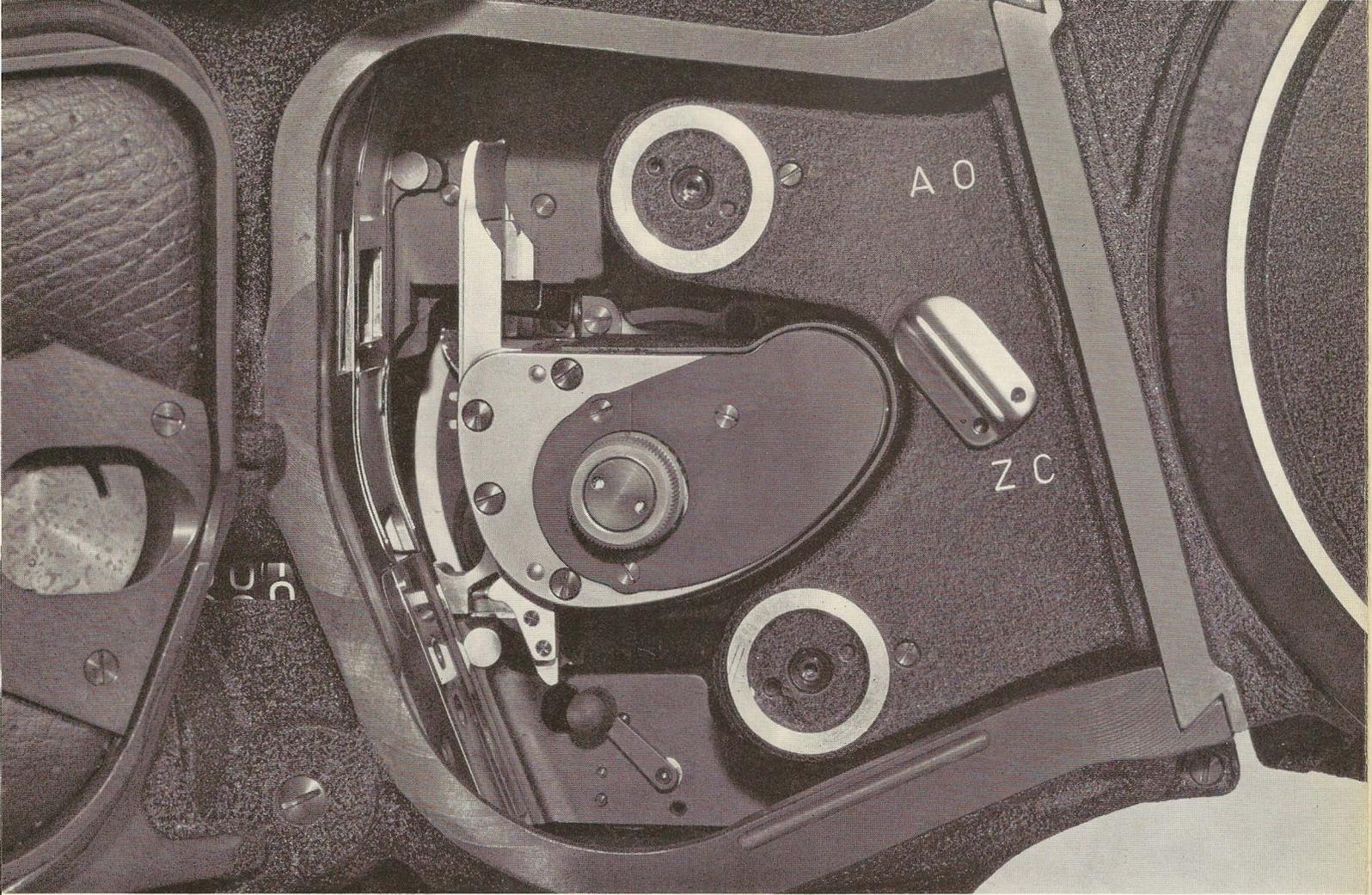
**ARRI
FLEX
35
BL**



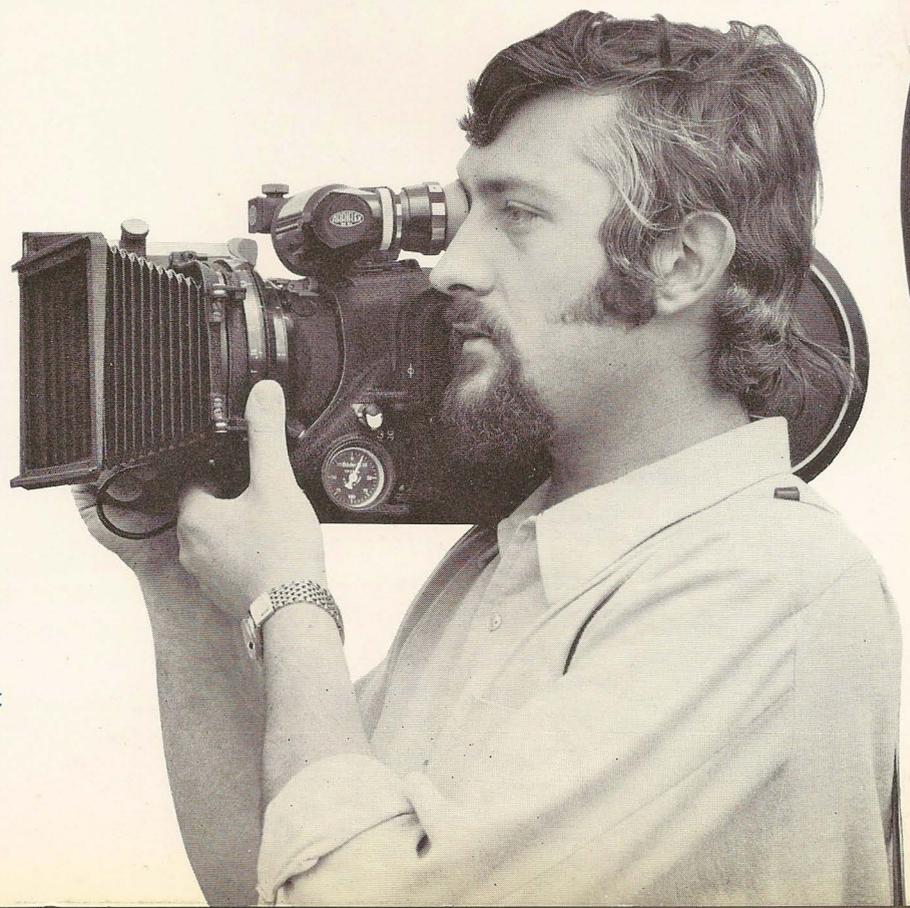
The 120° rotatable viewfinder assembly is helpful for special and difficult camera positions



Easily readable film supply indicator. A selector switch for 24–25 fps 50–60 Hz. The hand grip allows for easy carrying off the camera



The claw mechanism can be pushed back for quick film threading and easy cleaning of the film gate



Low silhouette, lightweight and excellent balance for snug, comfortable shoulder-rested hand-held shooting



Considering today's production demands, mobility and speed are the keys to the future of filming.

Today's films reflect the viewpoint and lifestyles of a new, younger audience. Among many other changes, films are moving out of the studio and are dramatized against the authenticity of real locations. Camera viewpoints are becoming more subjective, free-moving and expressive. This development makes new, special demands on camera equipment.

The ARRIFLEX 35 BL is not just a completely new camera but rather a part of the new, better way to make 35 mm films.

CAMERA MOTOR AND DRIVE TRAIN

The camera uses a highly efficient, flat, printed circuit motor, capable of a speed range from 5 to 100 F/PS. For synch-sound operation at 24 and 25 F/PS with 50 or 60 Hz. Pilotone output, a built-in crystal control circuit is used to drive the motor.

The two-bladed, revolving mirror shutter renders an effective opening of 180°. An electronically controlled pulse system stops the mirror shutter always in the open viewing position. This can also be done manually by an inching lever on the side of the camera. A built-in tachometer indicates framing rates of up to 100 F/PS forward. A digital film counter records the exposed footage in feet or meters respectively.

FILM TRANSPORT AND FILM GUIDES

The new film transport system, developed especially for this camera, utilizes two dual transport claws and two registration pins. Low mass components and careful dynamic counterbalancing assure vibrationless operation at even the highest framing speeds. Hereby the camera retains its quiet run even at speeds of approx. 100 fps, which is of great advantage with various assignments such as filming sporting events. The two precisely finished registration pins which hold the film during the exposure cycle, guarantee optimum image steadiness. Both horizontal and vertical film registration is accomplished with those pins so that a flexible, spring-loaded side guide is not necessary. Furthermore, a fixed gap film channel with only a small back pressure pad immediately

behind the aperture prevents emulsion build-up in the gate.

Aperture plates are easily interchangeable without tools. All popular aperture sizes, such as academy, full aperture and cinemascope are available.

The positioning of transport claws and registration pins in relation to the aperture conforms to international standards set for optical printers. This way, the image steadiness of the camera negative can be maintained throughout the subsequent printing steps.

Located behind the aperture plate, in a single plug in module, are the miniature lamps for start-marking full frame and edge. The module also contains a bulb for the speed warning light.

LENSES

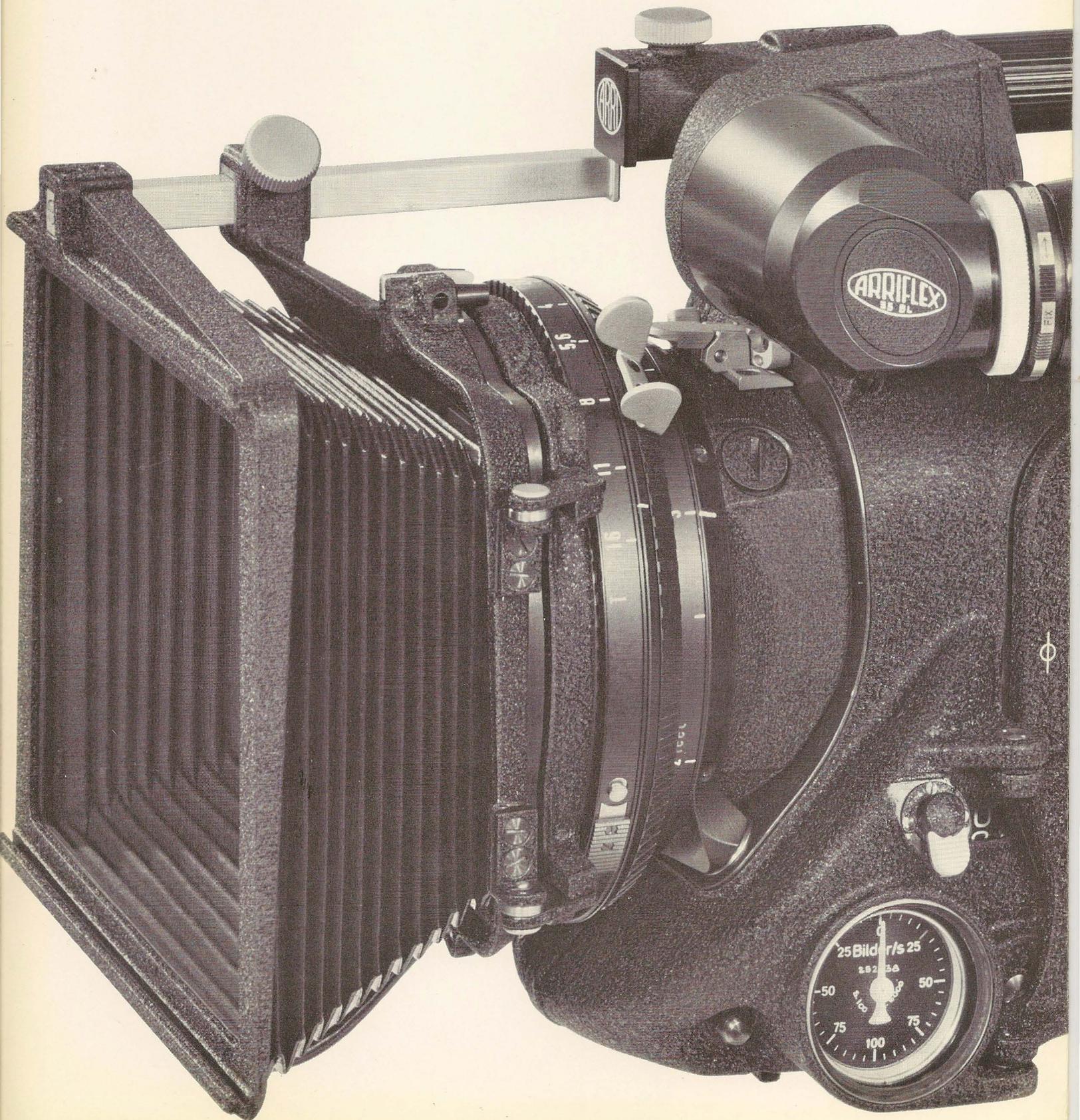
The lens receptacle is the standard Arriflex steel bayonet mount, this insuring the proper flange to film distance for Arriflex mounted lenses of all focal lengths. Zoom or telephoto lenses can be mounted using their respective support brackets. Distance and diaphragm scales are easily visible during both handheld and tripod mounted operation.

VIEWFINDER

The proven Arriflex mirror reflex system was also chosen for this new camera design. As mentioned before, the 180° shutter always stops in the open viewing position. The finder channel and its optics are of a very high aperture rendering a bright image even at small lens openings.

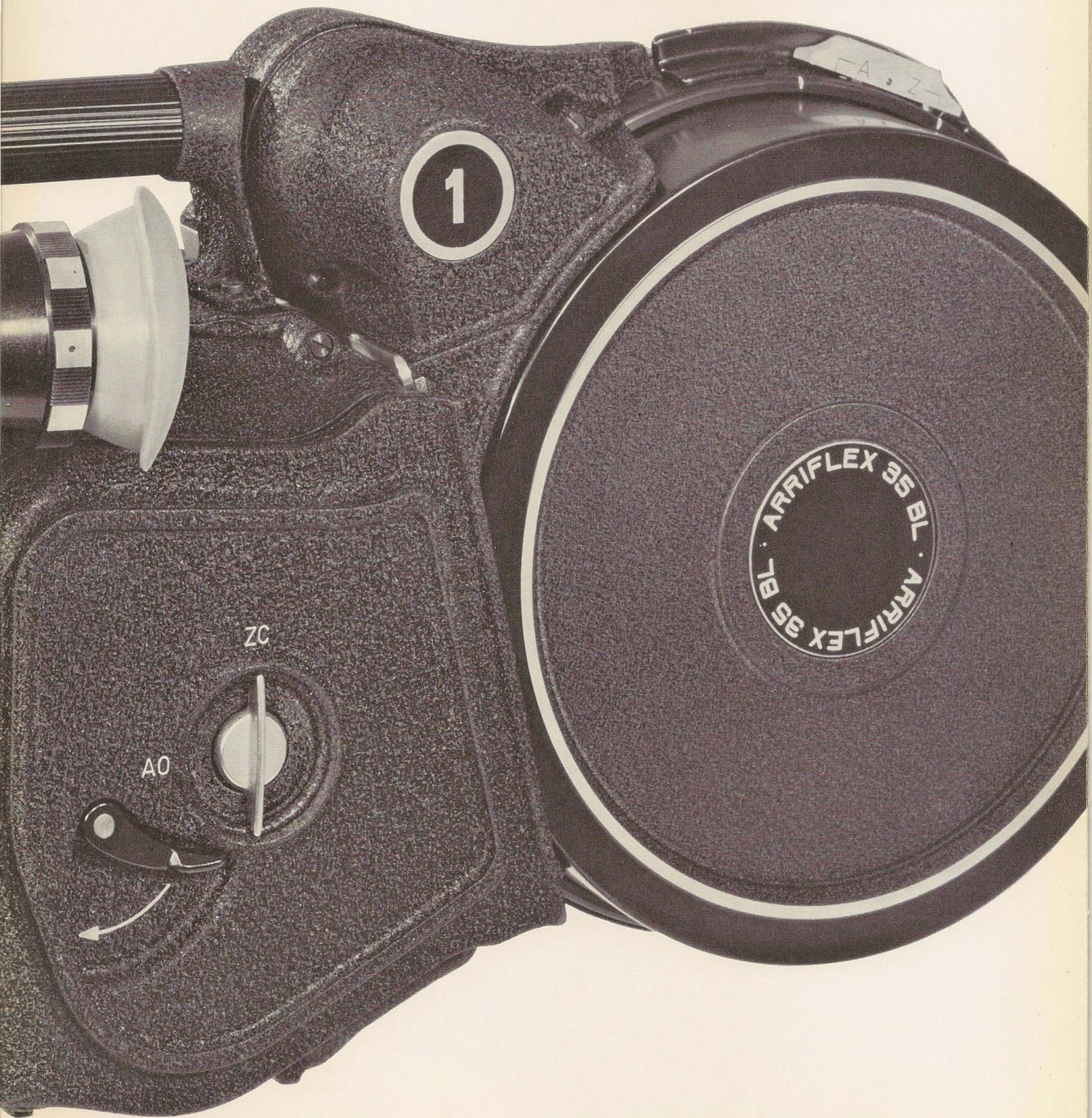
The viewfinder tube can be rotated from the horizontal position 90° up and 30° down with the ground glass image remaining correctly positioned. The magnification ratio for the viewfinder image is a comfortable 6.5 times. In the event of a sudden camera speed change, a red warning light will come on in the viewfinder, signalling the problem to the cameraman. This is especially important if the volume on the acoustical warning buzzer has been turned off. Ground glasses are easily interchangeable and all standard aspect ratios are available. For special requirements, contrast filters or mattes can be inserted at the ground glass plane.

ARRIFLEX



EX

35 BL





MAGAZINES

Both the 400 foot and the 1000 foot coaxial magazines are designed exclusively for forward operation. Their compact, lightweight configuration enhances the portable design of the camera. A special 400 foot forward/reverse operating magazine is in preparation. All magazines are equipped with film supply indicators for both acetate and polyester based film.

FILM LOADING

The large camera door offers unrestricted access to the aperture area for film loading. The magazine with its preformed film loop simply slides on to the camera body where the drive couplings automatically engage. To further facilitate this process, an index pin which protrudes when the film channel is open, locates the loop for proper engagement with the transport claws.

HAND GRIP

The ARRIFLEX 35 BL rests well balanced on the shoulder of the camera operator. To stabilize

and hold the camera, an adjustable hand grip containing the on/off switch is located on the righthand forward side. An additional accessory hand grip for the left side is also available. The receptacle for the matte box has been extended to serve as a comfortable carrying handle.

ACCESSORIES

Batteries, chargers, ground glasses, filters, tripods and carrying cases are available for the ARRIFLEX 35 BL.

A matte box, with leather bellows and dual filter stages rotatable for polar filters can be used with all fixed focal length lenses. For lowest operating noise requirements, a universal lens blimp for all fixed focal length lenses from 16 to 85 mm is available. The universal blimp accepts filter stages for both 3" and 4" filters. External scales for f stops and focusing distance are interchangeable. For zoom and tele-lenses, a special support cradle is available. Studio blimp on request.

TECHNICAL DATA

Film width:	35 mm	Power consumption approx. 30 W – 200 W at 25–100 fps:	
Camera speeds:	24, 25 and approx. 5–100 fps	Effective shutter opening:	180°
Operating noise level, camera with universal lens housing, measured 1 m in front of lens:	approx. 32 dB (weighted A)	Speed control indicator:	Tachometer 0–100 fps, footage indicator in meters or feet
Operating noise level, camera with unblimped lens, measured 1 m in front of lens:	approx. 35 dB (weighted A)	Sync control,	acoustical and optically visible in the viewfinder
Magazine capacity:	400 ft (120 m) (1000 ft/300 m magazine in preparation)	Overall measurements:	Length 19 1/4" (490 mm) Width 10 3/4" (270 mm) Height 9" (225 mm)
Lens mount:	ARRIFLEX	Weight of operational camera:	approx. 22 lbs (10 kg)
Drive motor:	Universal DC printed motor 12 V = for crystal controlled operation 24/25 fps 36 V = for high speed operation up to 100 fps	Tripod thread:	3/8". Also operation with wedge plate
		Temperature range:	–4°F to +104°F (–20°C to +40°C)



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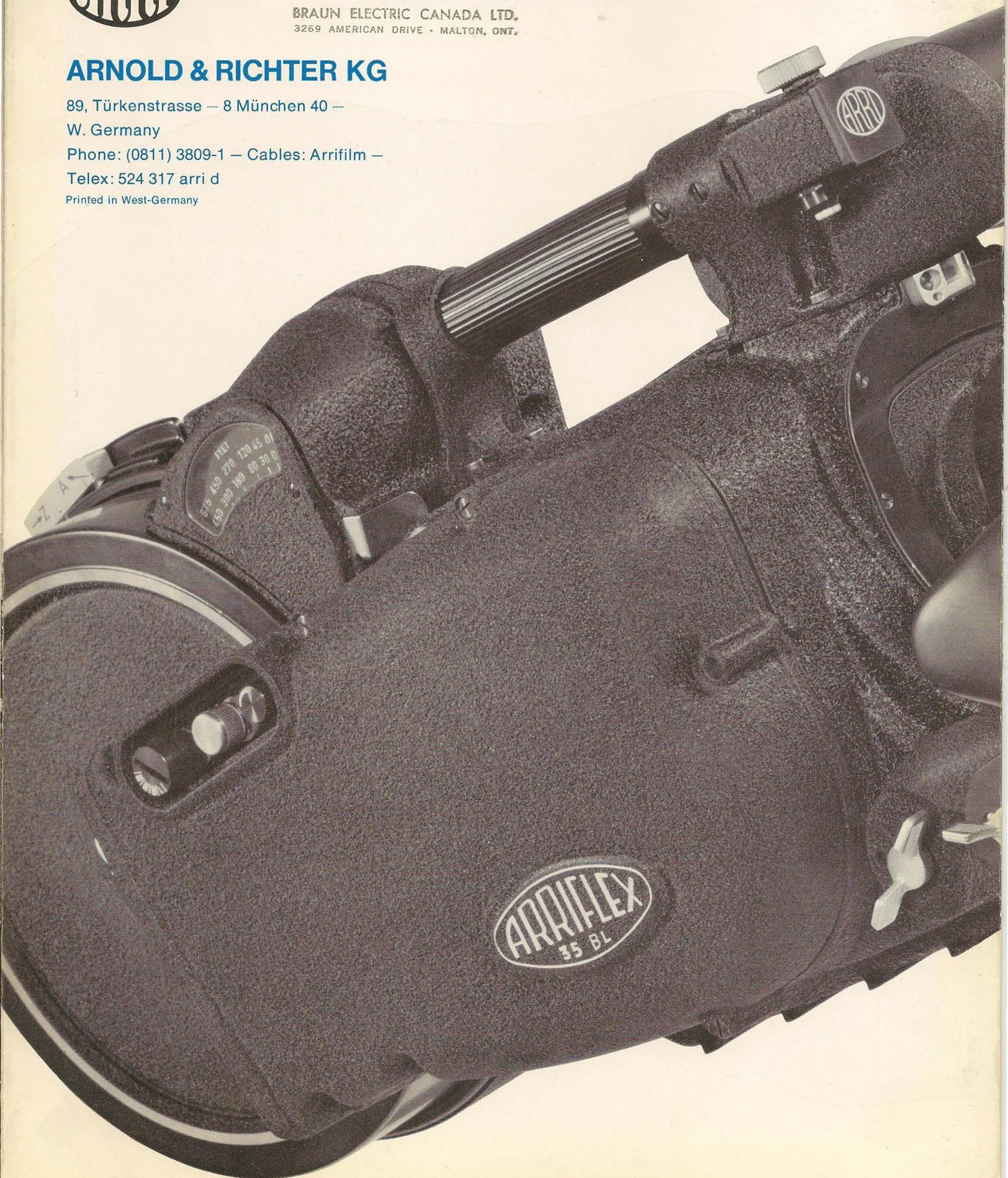
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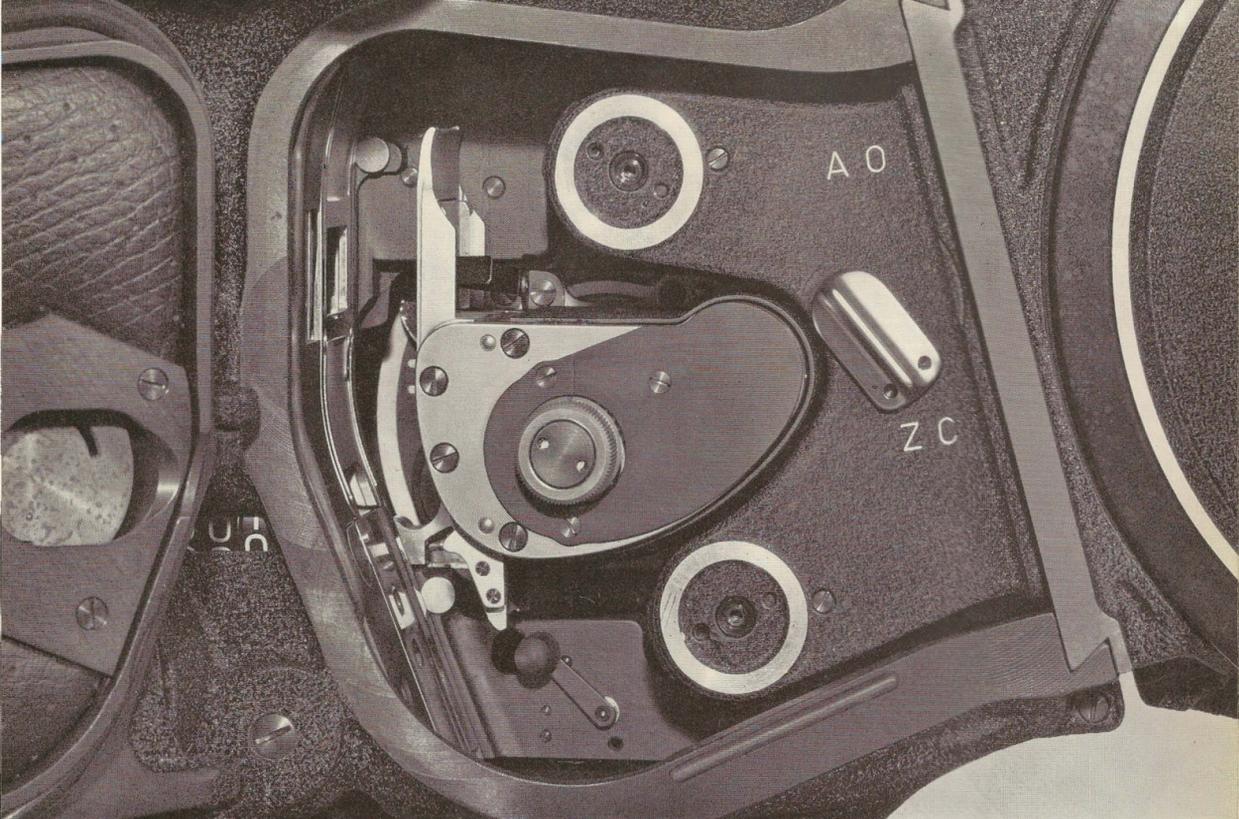
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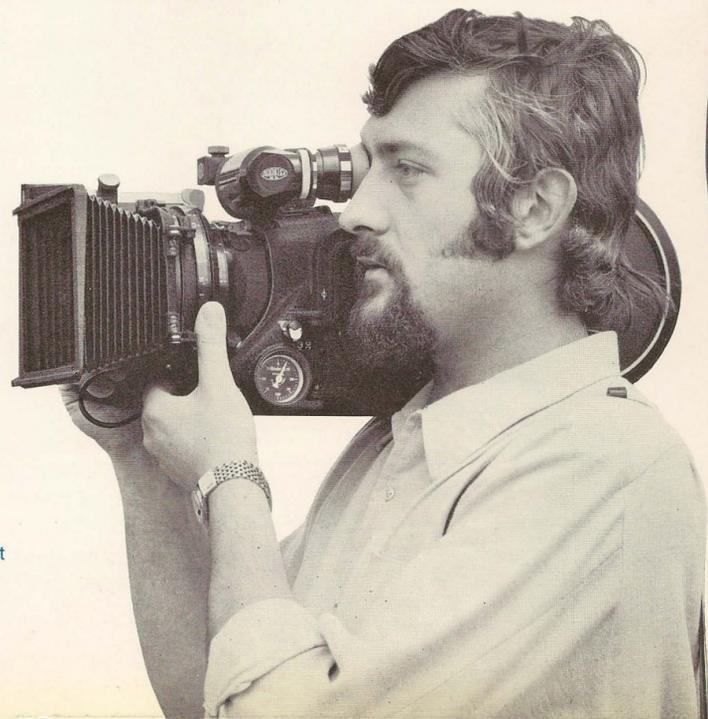
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The claw mechanism can be pushed back for quick film threading and easy cleaning of the film gate



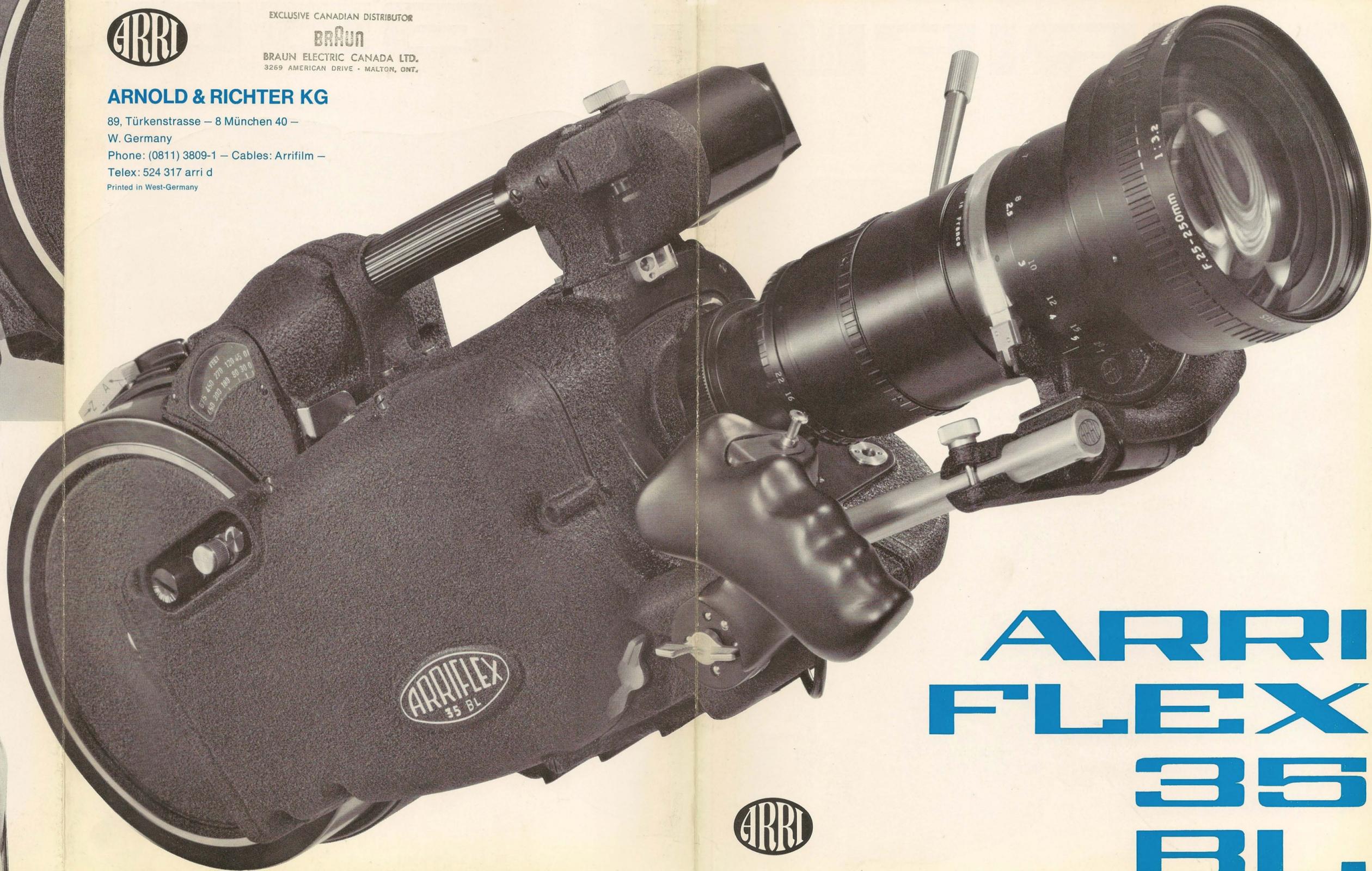
Low silhouette, lightweight and excellent balance for snug, comfortable shoulder-rested hand-held shooting



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