

EXAKTA

Varex IIa

1961



INNOVATIONS

25 years ago we used for the very first time the constructional principle of the single lens reflex camera in connection with a miniature camera. It is adaptable to a very high degree and, therefore, the whole EXAKTA-system has always been brought up to the needs and wishes desired by the public as it is shown once again in the Supplement to the catalogue.

The present EXAKTA Varex IIa/1961 has some small innovations and also some new up-to-date lenses. There are also further improved accessories for this all-round camera.

And here we introduce you to our innovations:

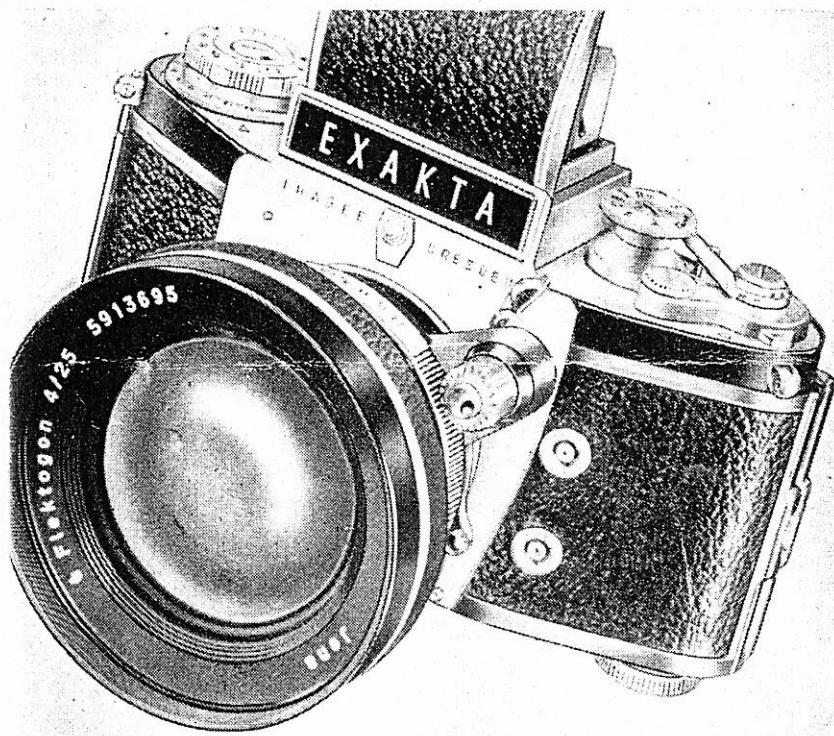


New Finder Hood

- Opening and closing with only one finger movement.
- Two focusing lenses with a total of six times magnification of the reflex image.
- Interchangeable ground glass screen of the same shape as used in Penta Prism and Lens Magnifier.
- Unlimited use of the Distance Meter (split image rangefinder) and every other special screen of Penta Prism and Lens Magnifier in connection with extreme close-up and micro-photography.
- Instead of the frame-finder, use the Penta Prism which is, of course, free of parallax.

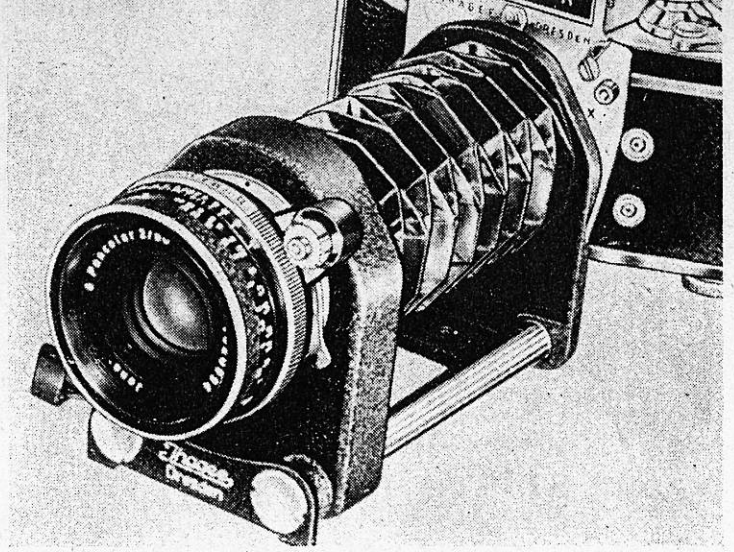
New Lenses

- All normal and nearly all special lenses are equipped with fully automatic diaphragm. When pressing the shutter release button, the iris automatically closes down to the pre-set aperture and, after having released the shutter release button, the iris goes back automatically to the largest aperture.
- Readily converts to normal diaphragm setting (important for long exposures).
- It is also possible when using fully automatic diaphragm to only stop down the diaphragm, without releasing the shutter. This is often done in order to control the depth of field.
- Excellent optical features: high power of rendition, maximum light coverage and absolute colour correction.
- New shapes with handy focusing rings.
- Two normal lenses, aperture 1:2, with a normal angle of field of 50 mm focal length.
- Jena lenses with fully automatic diaphragm and release-knob and Meyer lenses with fully automatic diaphragm and release-tilter for comfortable finger position.
- Both 50 mm Jena lenses can be used in connection with the Stereo Attachment.
- New normal lens Domiron f 2/50 mm with long helical focusing for close-up focusing to 0.34 m (= 24 cm object distance).
- New wide angle lens Jena Flektogon f 4/25 mm with an angle of field of 82° focusing down to approx. 0.20 m (= 8 inches).
- New highly corrected special lens, Jena Bm f 2.8/120 mm of the popular medium focal length and with fully automatic diaphragm.



The most important data of the new lenses:

Lens type, aperture and focal length	No of Lenses	Diaphragm		Hel. focusing			Angle of Field standard value	Lens front mount \varnothing
		from	to	from	to m	(ft)		
Jena Flektogon 4/25 . . .	7	4	22	∞	0.2	(8" app.)	82°	80 mm
Jena Flektogon 2.8/35 . .	6	2.8	22	∞	0.36	(14 ¹ / ₄ " app.)	62°	51 mm
Jena T 2.8/50	4	2.8	22	∞	0.5	(19 ¹ / ₂ " app.)	45°	51 mm
Jena Pancolar 2/50	6	2	22	∞	0.5	(19 ¹ / ₂ " app.)	45°	51 mm
Meyer Domiron 2/50 . . .	6	2	22	∞	0.34	(13 ¹ / ₂ " app.)	45°	57 mm
Jena Bm 2.8/80	5	2.8	22	∞	0.8	(31 ³ / ₄ " app.)	30°	51 mm
Meyer Trioplan N 2.8/100	3	2.8	22	∞	1.1	(43 ¹ / ₂ " app.)	25°	57 mm
Jena Bm 2.8/120	5	2.8	22	∞	1.3	(51 ¹ / ₂ " app.)	21°	51 mm

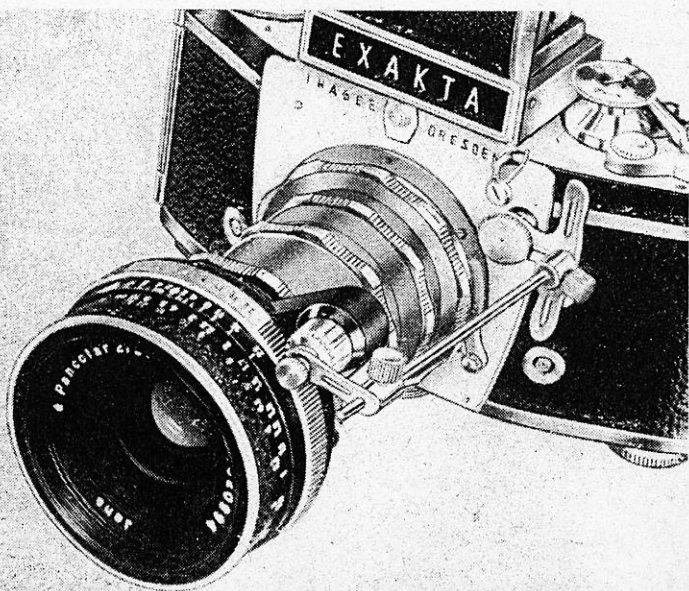


New Miniature Bellows Attachment

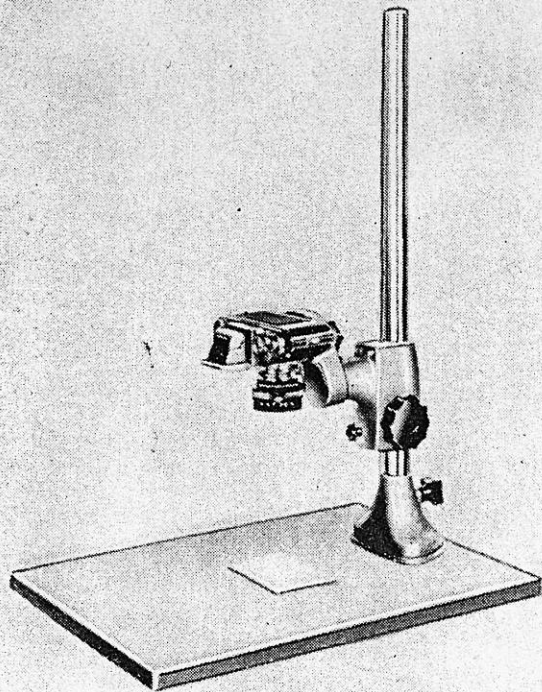
- Easy to carry — easy to handle.
- Mainly intended for close-up work by hand, but it can also be used on any tripod and in connection with the new Copying Stand 61. Two tripod bushes.
- Continuously variable bellows extension from 35...125 mm for all image ratios from 0.7...2.5 when using the 50 mm standard lens.
- For focusing from infinity: special Jena T f 2.8/50 lens in Sunk Mount available. Extension increase for this lens from 0...90 mm.
- Camera can be attached vertically and horizontally.
- Can be used with fully automatic diaphragm lenses, also in connection with the Autocouple Extension Release (new design as described in the following passage).

New Autocouple Extension Release

- Easy operation of fully automatic diaphragm when using extension increases (such as Bayonet Adapter Rings and Tubes as well as the Miniature Bellows Attachment).
- It can be used with the former and present lenses of Jena and Meyer (also for Meyer lenses with release-tilter).
- Two coupling rods: short type for extension increase up to 60 mm, long type for extension increase up to 125 mm.
- Big Release button for safety firing.

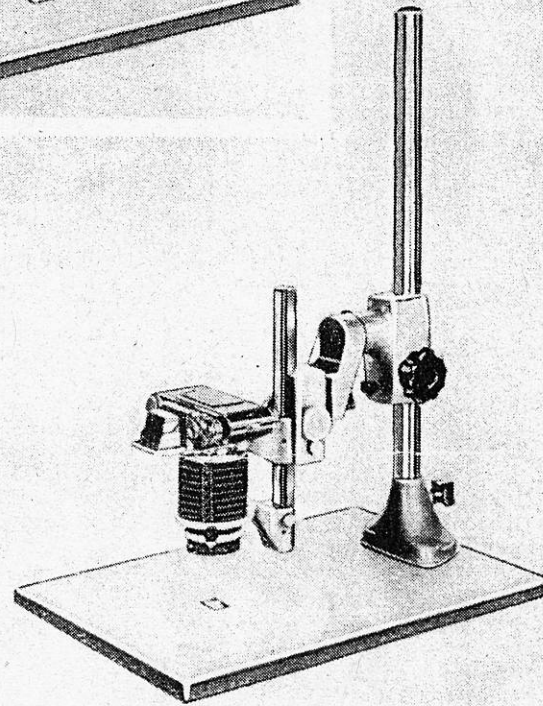


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Copying Stand 61 and Repro Attachment 61

- Copying Stand 61 for direct attachment to the camera (extension increase by means of Bayonet Rings and Tubes or Miniature Bellows Attachment).
- Repro Attachment 61 with large bellows attachment.
- Both, Copying Stand 61 and Repro Attachment 61, have a uniform precision metal column with their own adjusting mechanism.
- Therefore, quick, easy, and continuously focusing of the permissible distances of objects.
- Can be used in horizontal and vertical arrangements.
- Many swing and lock possibilities for versatility in reproduction, close-up photography, etc.
- Large wooden baseboard 35×50 cm (for copies up to DIN A 4).
- Repro Attachment 61 is also recommended for micro photos.



MARCUS BRAMSON
6 MAXWELL ROAD
SHOLING
SOUTHAMPTON SO1 8EU
TEL (0703) 435960



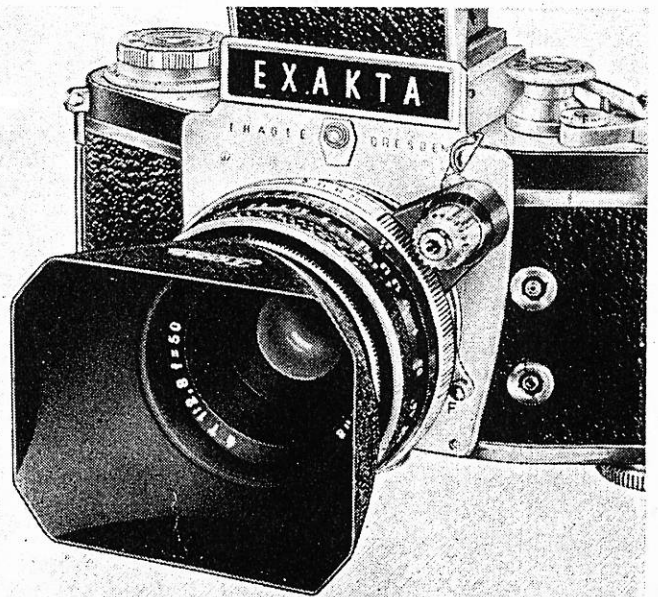


New Filters and Soft Focus Discs

- For black and white photos there are precision light-filters of high-quality colour filter glasses plane-parallel polished; available in the following colours: light-yellow, medium-yellow, yellow-green, green, orange, red and blue as well as ultra-violet filter.
- Soft Focus Discs in two graduations: I for medium, II for strong effect.
- Hard-chromed brass mount and transparent, elegant, bakelite case for every filter and soft focus disc.
- Screw-in-mounts with outer and inner threads for an additional filter, a soft focus disc or a lens hood.
- Available in two sizes: for lenses with a push-on diameter of 37 mm (thread M 35.5×0.5) and a push-on diameter of 51 mm (thread M 49×0.75).

New Lens Hoods

- Rectangular form with exact light-shielding effect.
- Screw-in threads for lenses with a push-on diameter of 37 mm, 42 mm, and 51 mm (threads M 35.5×0.5, M 40.5×0.5 and M 49×0.75).

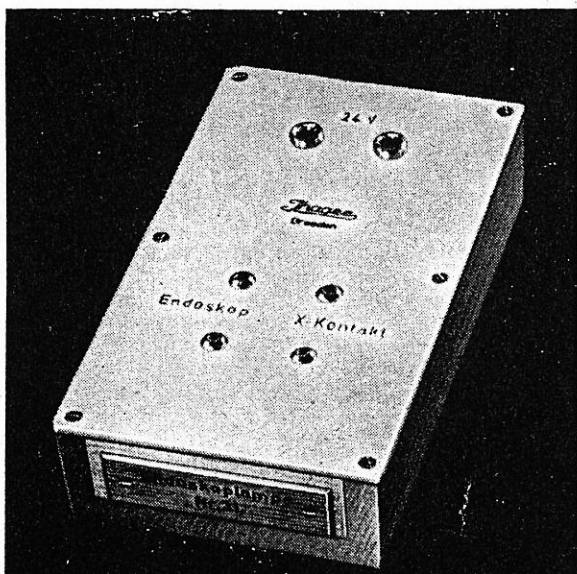
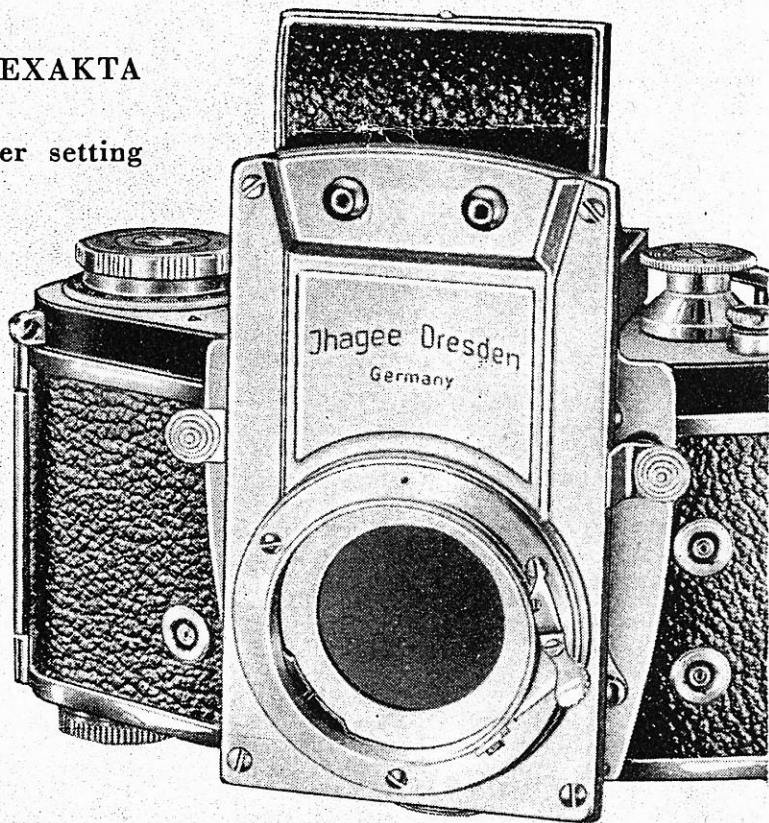


IHAGEE Macro-Micro Photometer

- In order to measure the necessary exposure when taking macro and micro photos or when copying colour transparencies with the Vielzweck Apparatus.
- A selenium cell element is lowered into the central light beam.
- With the aid of a normal pattern micro-ammeter or light-galvanometer a reading can be taken. In order to make full use of evaluations a test-series of exposures is recommended.
- Macro-Micro Photometer to be attached to the camera lens mount in front of the extension tubes, rear bayonet ring, the microscope adapter, or the Bellows Attachment.
- Release button is automatically locked when measuring.

IHAGEE Overrunning Switch Apparatus

- Special apparatus for endoscope-photography.
- A sufficient illumination of endoscopic subjects by means of a short automatically overcharged 12 volt endoscope lamp up to 24 volts at the moment of exposure.
- Can be used only in connection with EXAKTA Varex model IIa and IIa/1961.
- It is connected to the X-contact Shutter setting $\frac{1}{25}$ sec or $\frac{1}{5}$ sec.



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