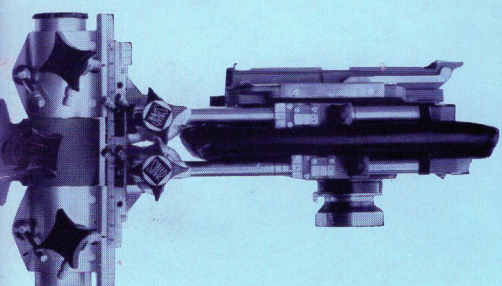
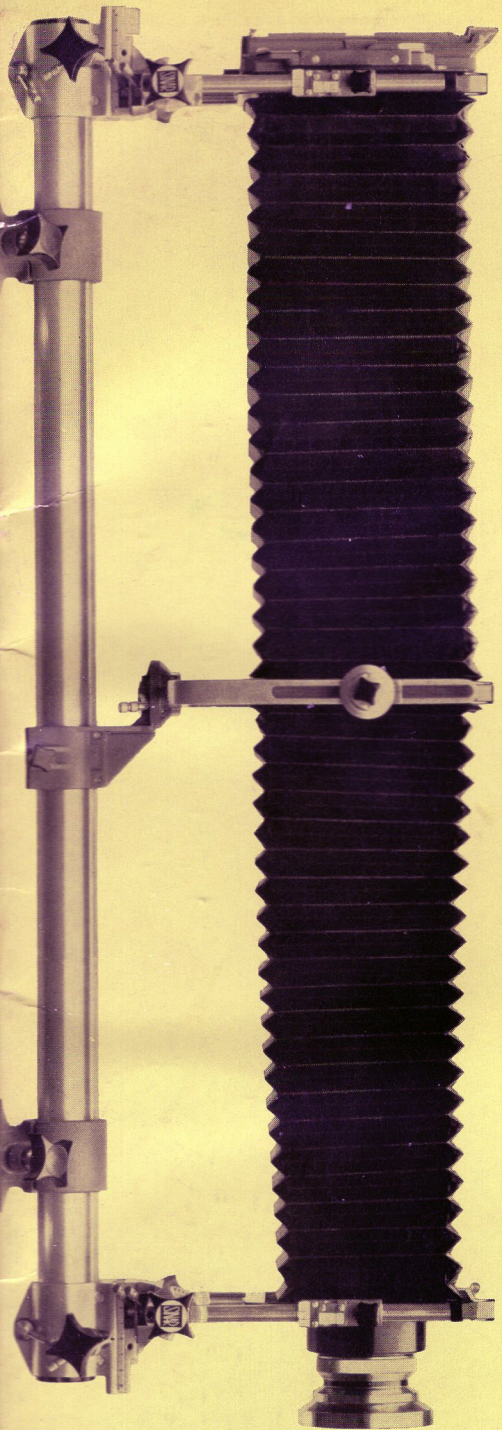
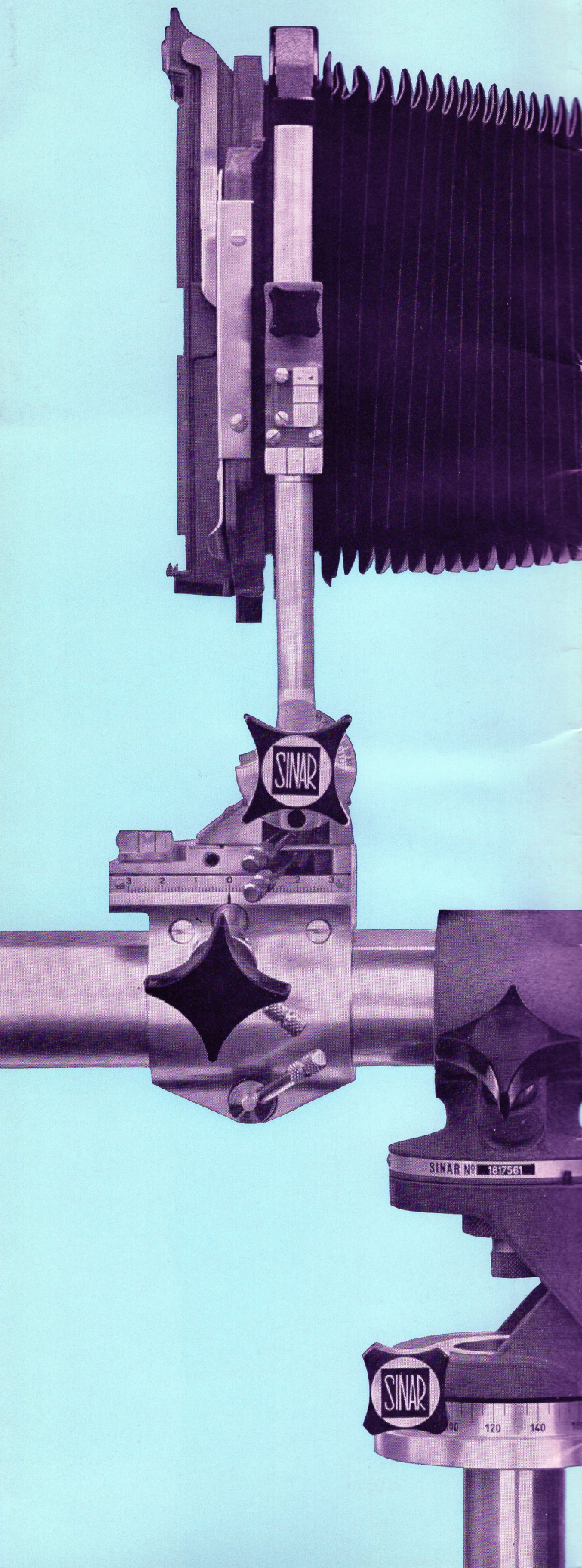
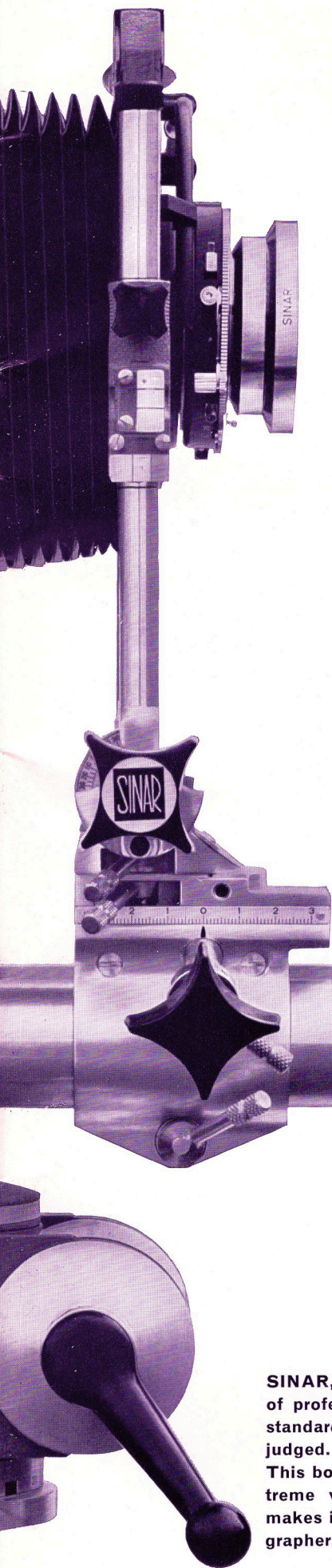


SINAR – the perfect tool for the professional photographer



HE5





SINAR – the perfect tool for the professional photographer



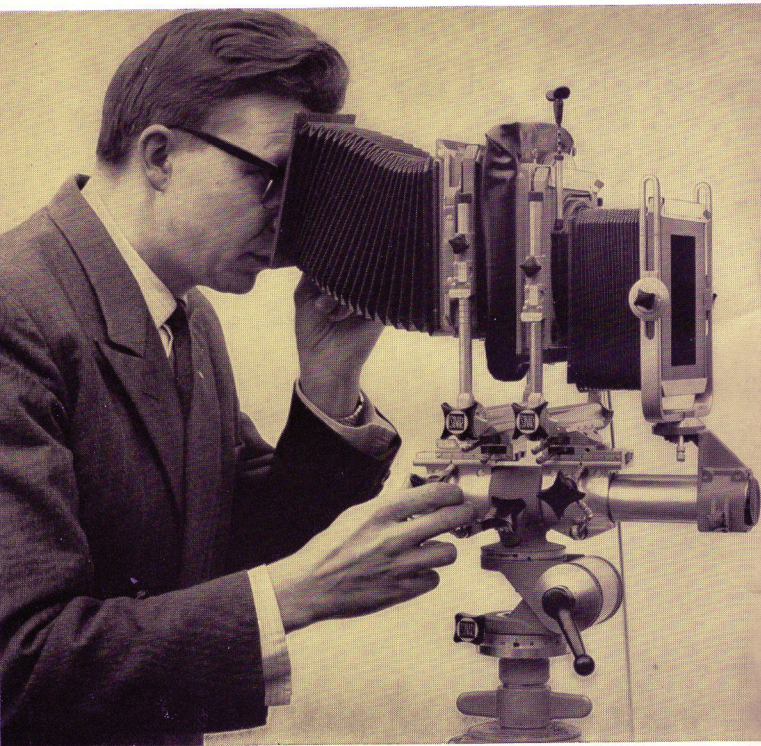
SINAR, the first of a new generation of professional cameras, is now the standard by which all others are judged.

This booklet intends to show the extreme versatility of SINAR, which makes it the choice of critical photographers the world over.

High efficiency in extreme wide angle work

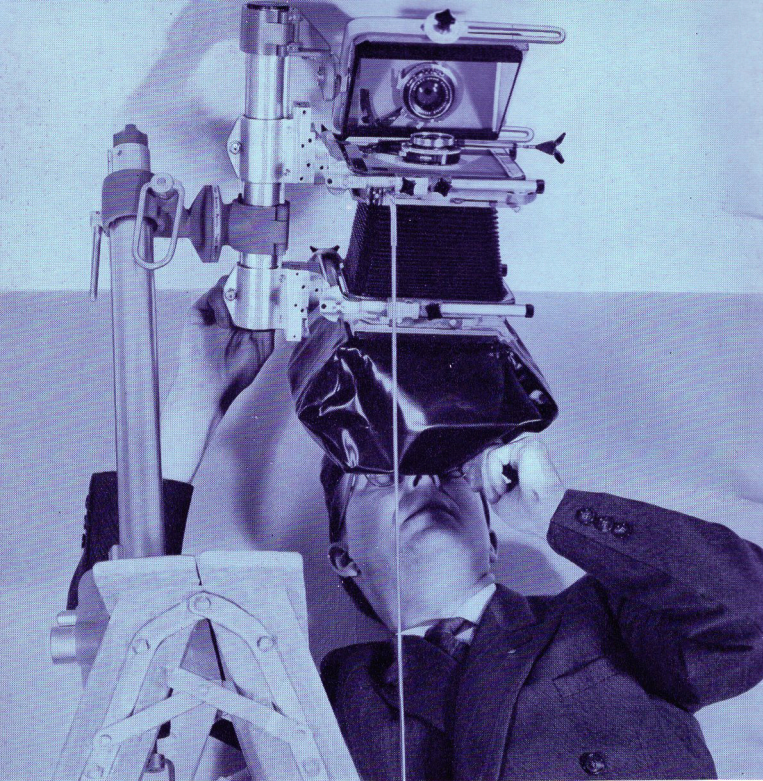
The flat frames, the wide angle bellows and the **SINAR Swing System** combine to produce unsurpassed wide angle efficiency. The matte box adjustments are positive even in wide angle work.

When using the shortest extension the bench holder still remains between the frames, giving simplicity of operation and perfect balance. Recessed lens panels are unnecessary, providing easy access to lenses as short as 58 mm.



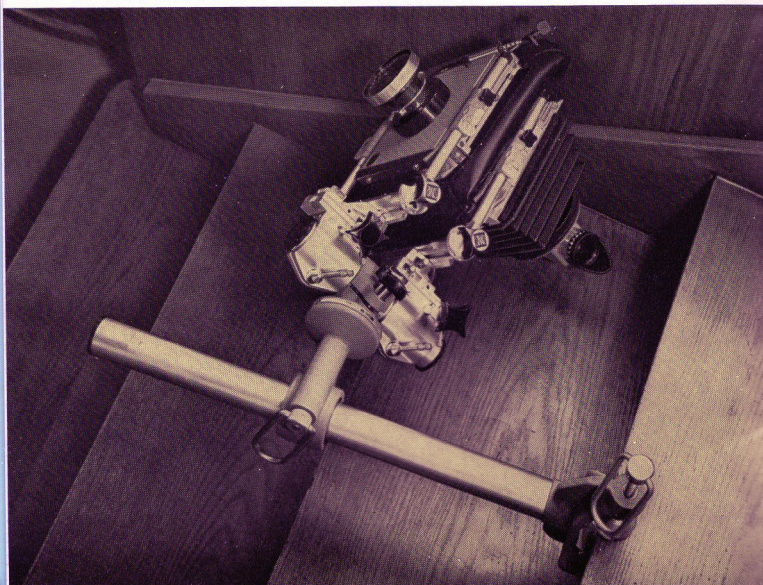
The "model" costs on this shot were more than 10,000 dollars (£ 3,500), calling for a camera of absolute reliability.



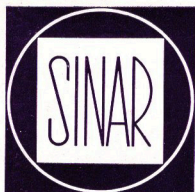


Greater range with the SINAR

The combined effect of the all-purpose clamp and camera holder, the front surface mirror, the reflex focusing magnifier, an extremely short optical bench (only 6 ins.), a focusing magnifier, aperture control, and the choice of right or left hand operation makes it possible to set up the SINAR in positions which are often impossible with other makes of camera. For the expert this can be decisive.



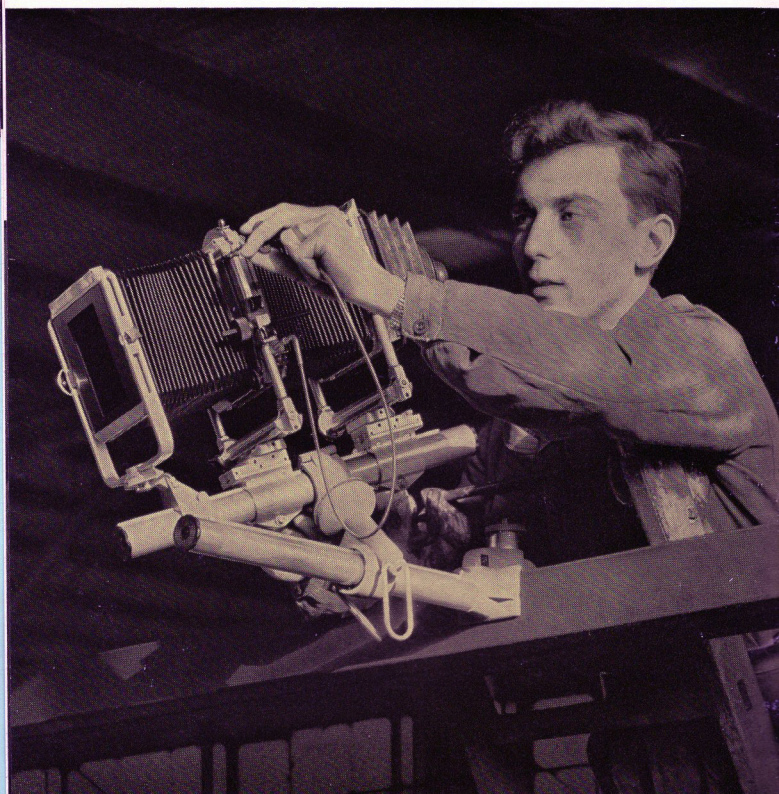


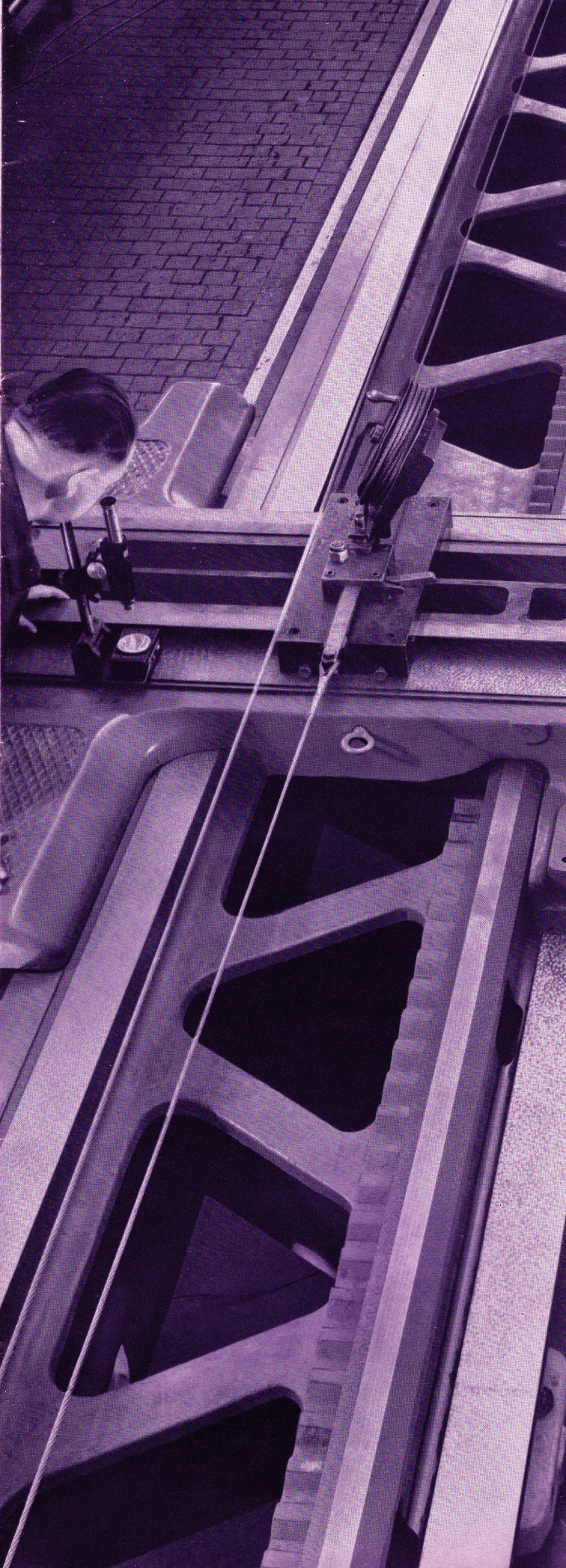


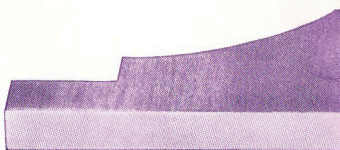
SINAR eliminates the need for conventional camera positions

The light weight of the camera and the all-purpose clamp make it possible to set up the **SINAR** in an overhanging position. Even in this case, the photographer can operate the camera from a convenient position thanks to the aperture control, the **SINAR** shutter and the **SINARSIX** light meter, thus reducing the danger of accidents. A Fresnel (field) lens is available as an optional accessory to increase edge illumination of the ground-glass image, which can be focused completely free from extraneous light with the aid of the magnifier.

The camera is well-protected against dust and humidity as well as shocks (braking system). These features will be particularly welcome to the industrial photographer, for whom a wider choice of viewpoints means more dramatic perspectives.



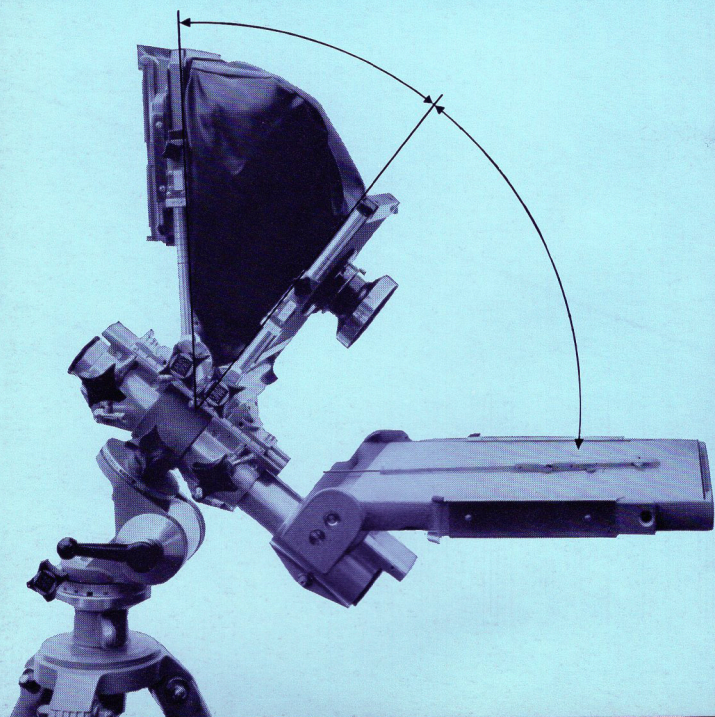


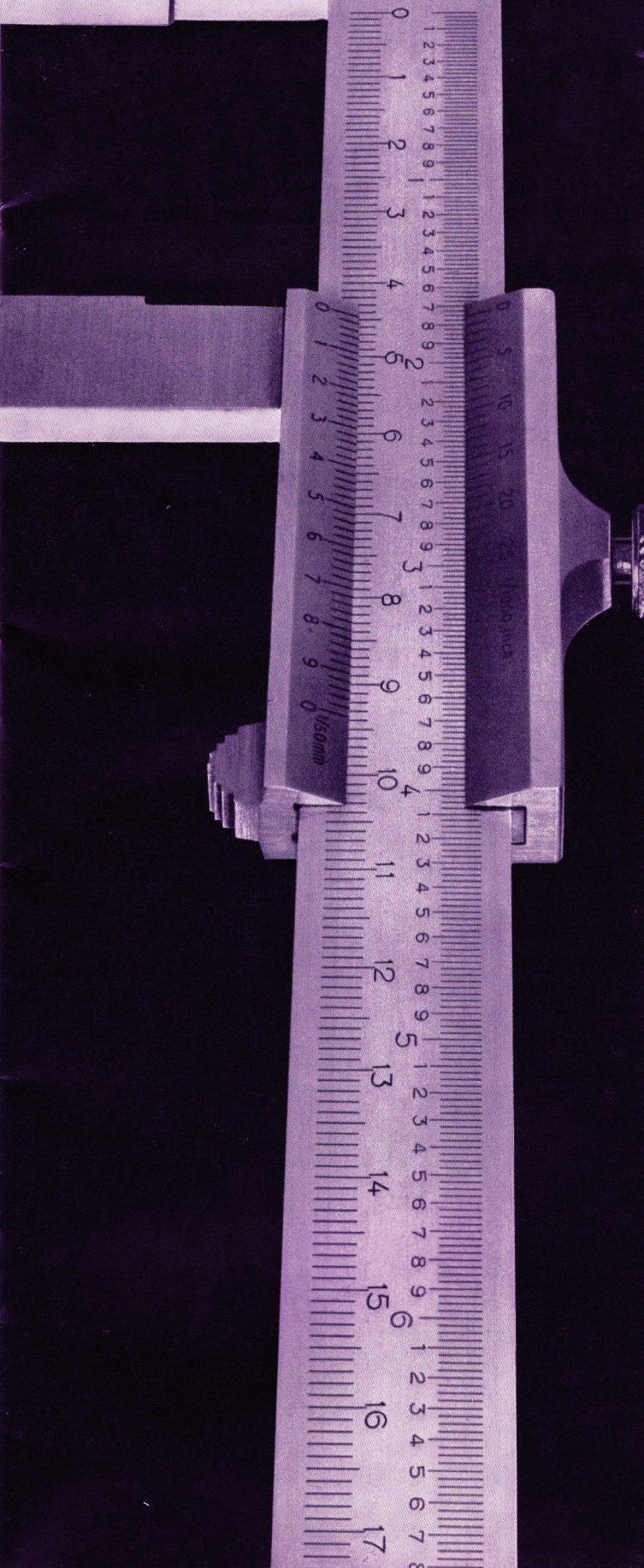


“Effects” – thanks to a wider range of swings

The **SINAR Swing System**, with its great range of movements, allows extreme focusing adjustments for dramatic effects, such as this illustration. Coarse and fine adjustments on all three frames facilitate close-up work. The camera interior is fitted with light baffles against reflections, thereby improving contrast and definition.

10

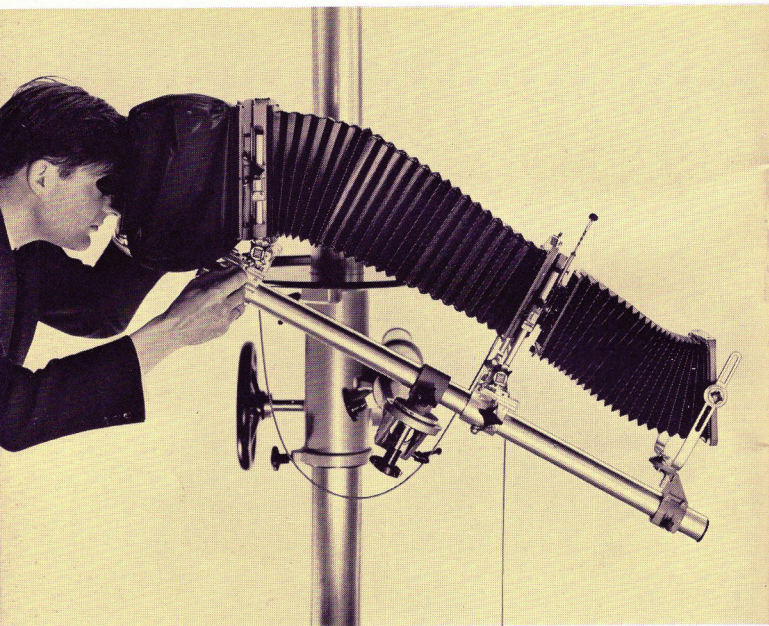


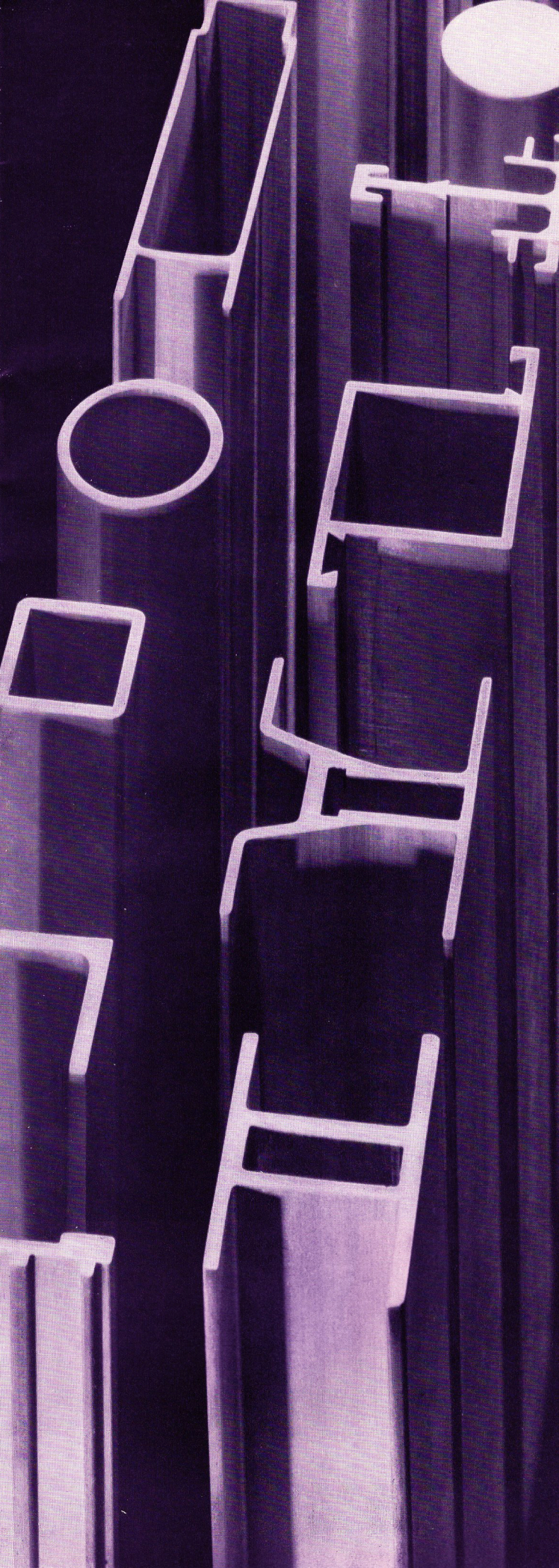


"Overall definition" without converging lines

Every camera setting can be locked individually and this facilitates systematic focusing. The lens hood positively follows the viewing axis in all positions of the camera. As the lens hood is supported separately on the optical bench, the lens mounting is not subjected to any additional strain. Thus the frames always remain parallel and vibrations through the matte box are eliminated. Even the ground-glass screen exerts no pressure on the frame. The optical bench can be lengthened as desired (in extensions of 6, 12 or 18 inches).

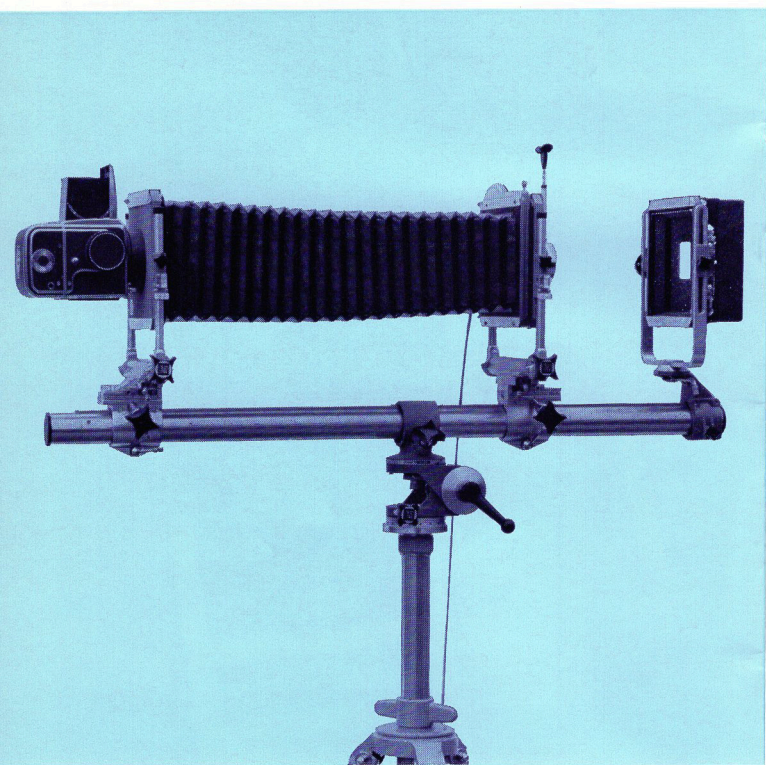
So the **SINAR** provides a perfect solution to the problem of "overall definition without converging lines."



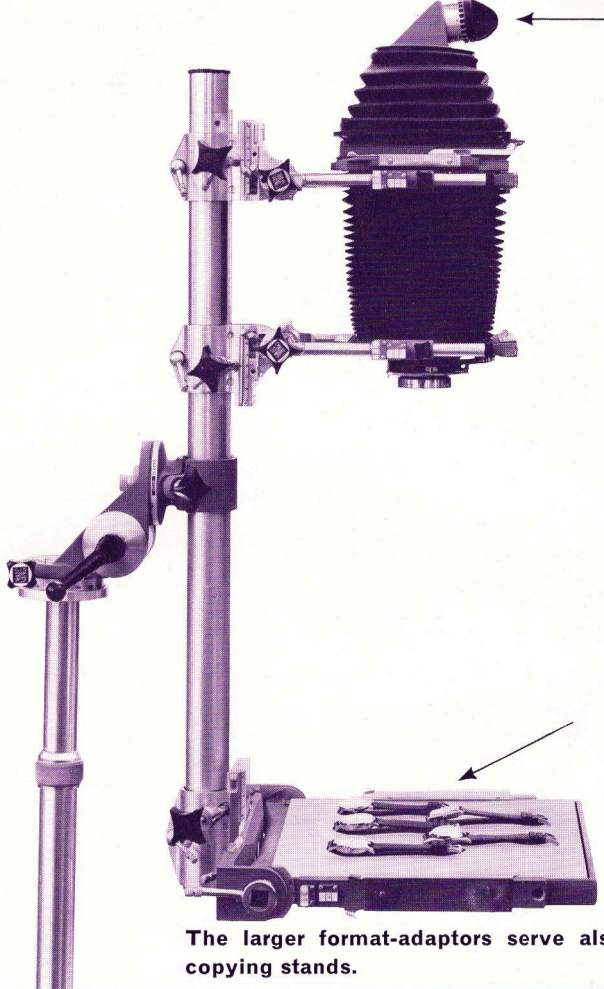


Photomicrography, microphotography ...

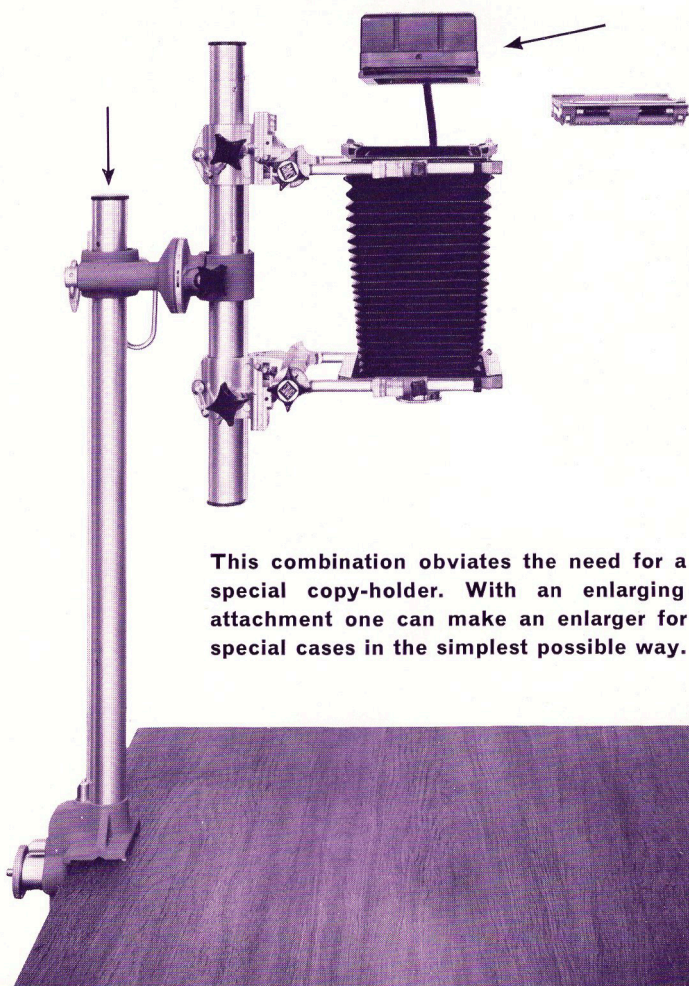
with transmitted or reflected light, in vertical or horizontal camera positions. The exact alignment of subject and camera produces sharper definition (on the principle of the process camera). Can also be used as bellows for single-lens reflex camera. In this case the **SINAR** shutter replaces the camera shutter.



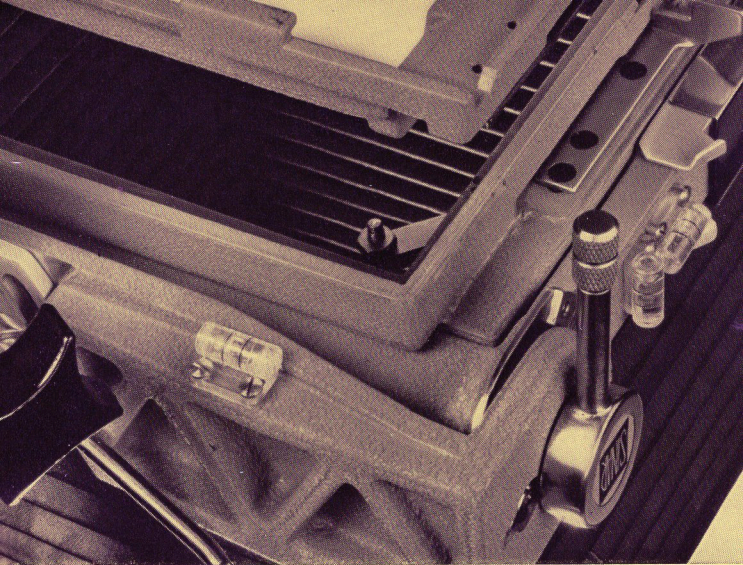




The larger format-adaptors serve also as copying stands.

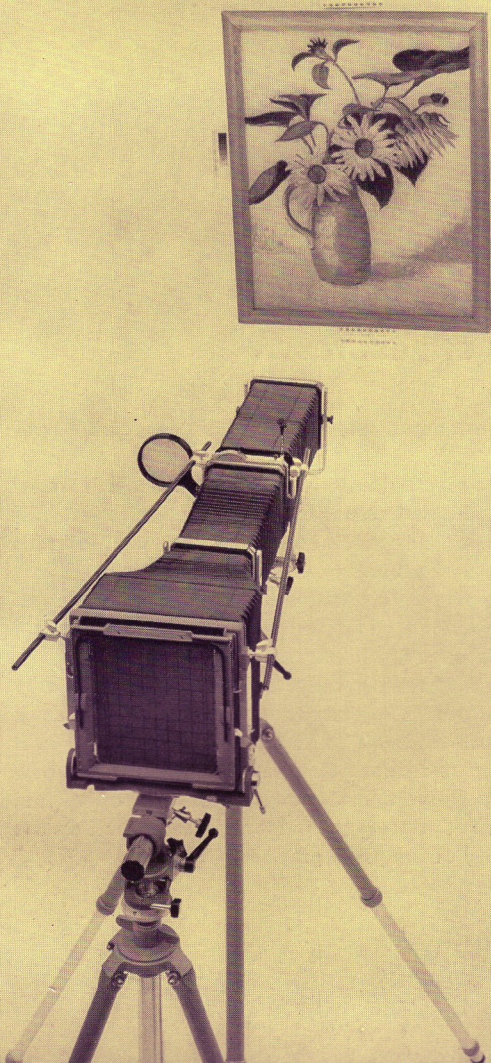


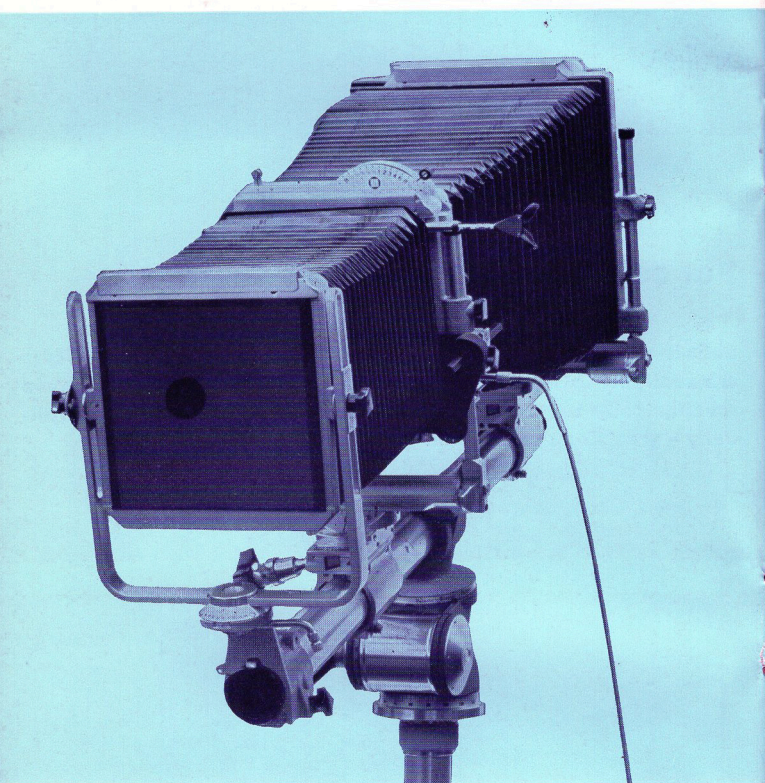
This combination obviates the need for a special copy-holder. With an enlarging attachment one can make an enlarger for special cases in the simplest possible way.



For colour separations and test shots

built-in registration pins, multicolour plate holders and stabilizers are available for the $8 \times 10/18 \times 24$ adaptor. Thus the SINAR achieves mechanically what the Apochromatic lens makes possible optically – precision registration.





Multiple exposures...

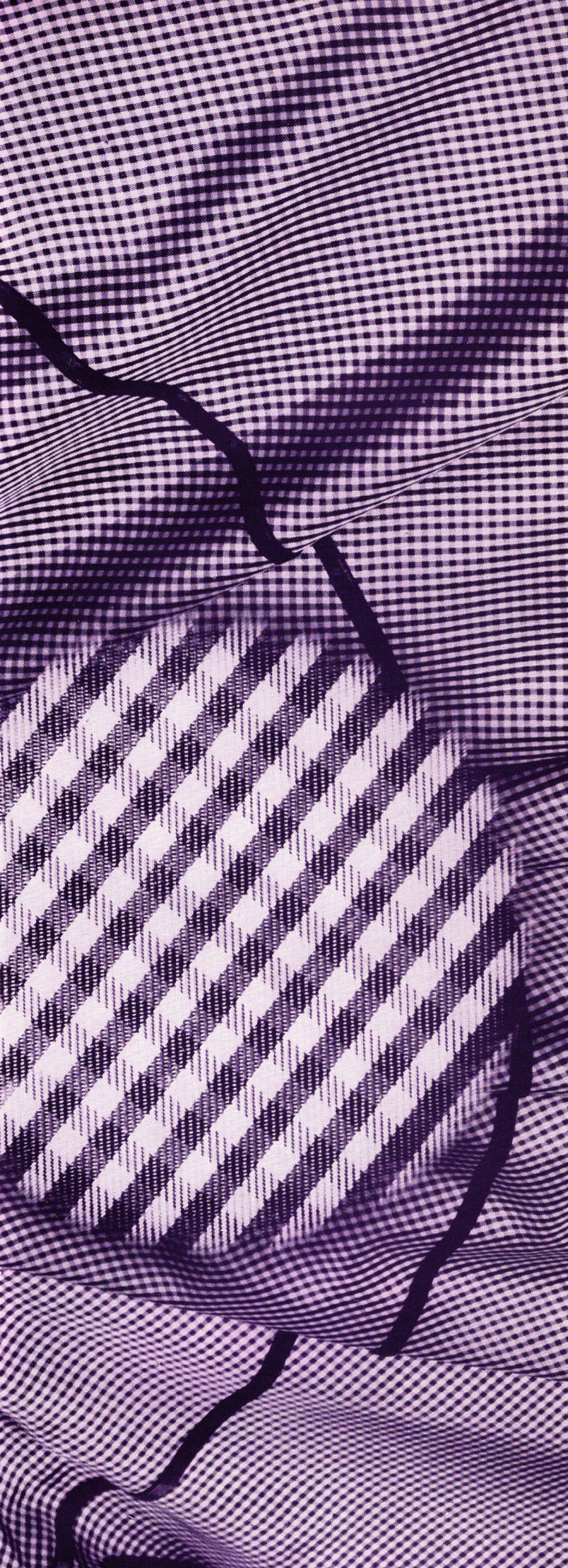
.for photomontages and trick shots (especially with colour film).

This set-up is also suitable for duplicating colour transparencies. Graduated scales for every inclination. Centimetre scales for all movements. Six fully visible spirit levels for the vertical and horizontal planes.

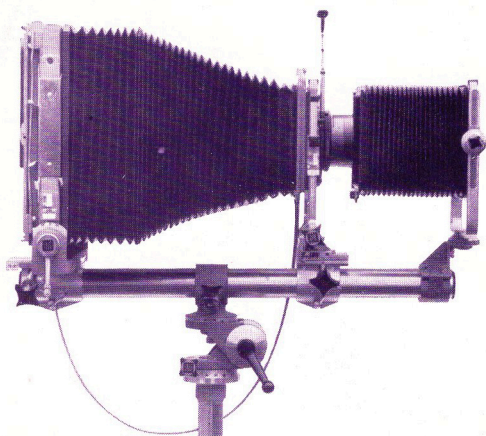
Precise click-stop zero positions for all swing, cross and rising movements.

Millimetre scale for the fine adjustments.

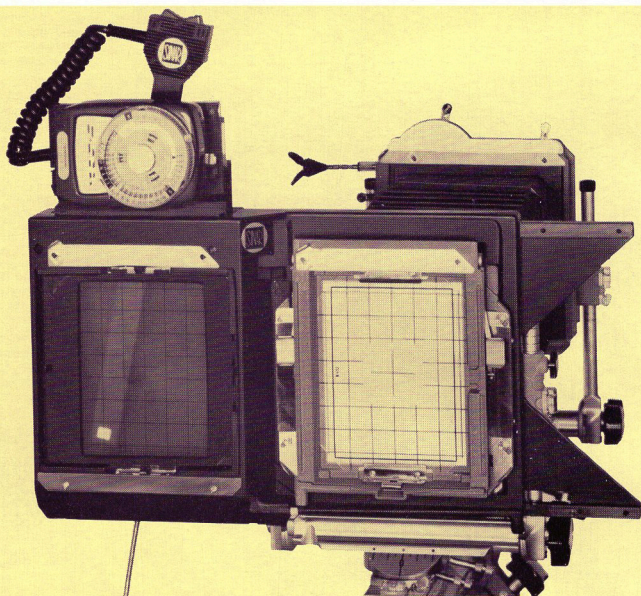
Frames remain exactly parallel even in the case of very steep inclinations. The camera can be swivelled in the tripod head as desired. The matte box swivels too, so it does not need re-setting. Self-cocking shutter and permanently accessible aperture control simplify operation. With these fine features, the camera puts no limit on the creative ability of the photographer.



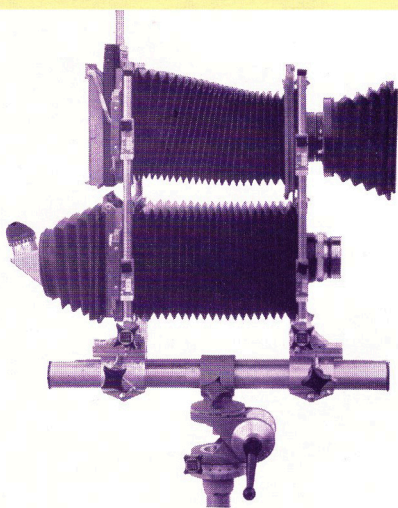
Instant operation



High shooting speed with all formats up to $8 \times 10/18 \times 24$. When inserting the film holder, the pre-set **SINAR** shutter closes and the diaphragm stops down to the preselected opening. The **SINAR** shutter is self-cocking.



Still faster for $2\frac{1}{4} \times 2\frac{1}{4}/6 \times 6$ to $4 \times 5/9 \times 12$ with the Rapid Adaptor. Ball-bearing guides. Automatic dark slide allows reduced overall dimensions. Erect ground-glass image. With **SINARSIX**, integral exposure measurement at the film plane.



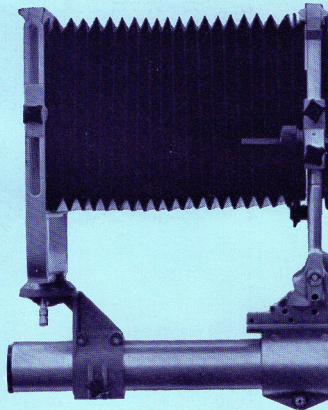
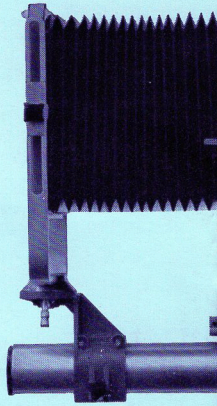
Highest speed of all through the double-lens combination up to $4 \times 5/9 \times 12$. Erect ground-glass image.

Advantages:

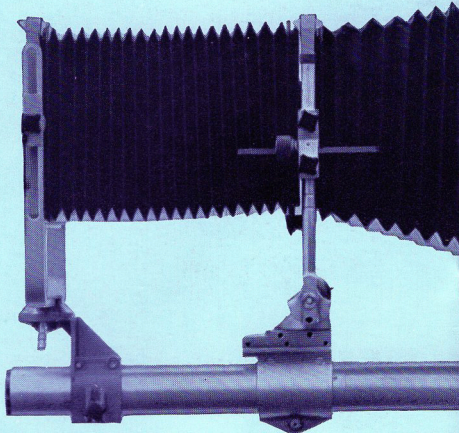
- Free choice of focal length
- Viewing along camera axis
- Setting of diaphragm and shutter as well as exposure measurement from the photographer's position behind the camera.

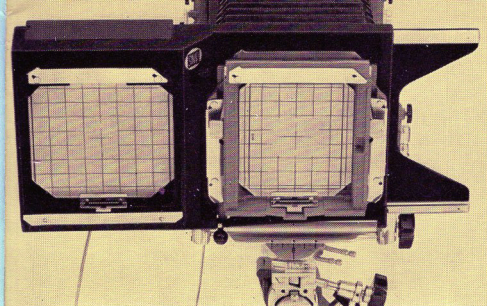


**Rapid Adaptor
for 5 sizes**



Interchangeable formats





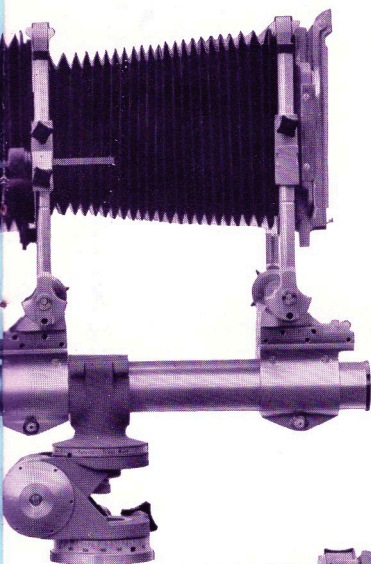
*** $2\frac{1}{4} \times 2\frac{1}{4}$ "**
 6×6 cm

*** "Ideal format"**
 56×72 mm

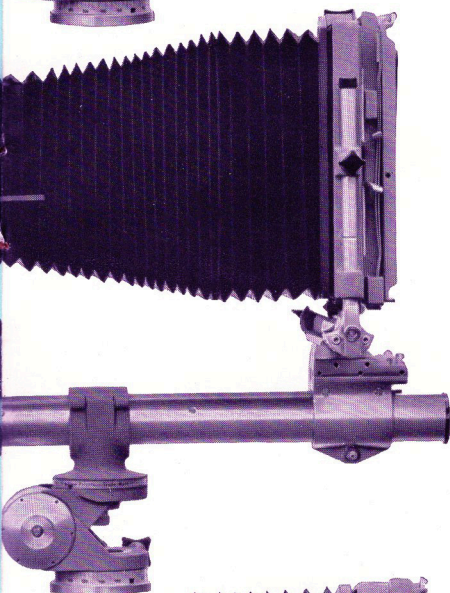
*** $2\frac{1}{4} \times 3\frac{1}{2}$ "**
 $6,5 \times 9$ cm

4×5 "
 9×12 cm

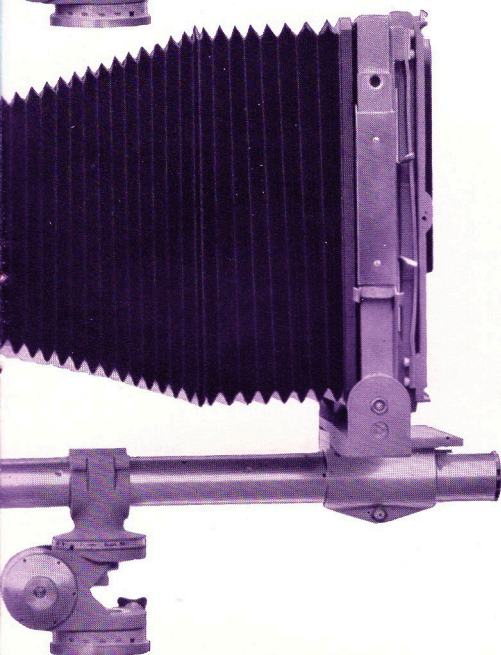
*** All the rollfilm holders used with the Rapid Adaptor can also be attached to the normal back $4 \times 5/9 \times 12$.**



4×5 "
 9×12 cm
and smaller



5×7 "
 13×18 cm
and smaller

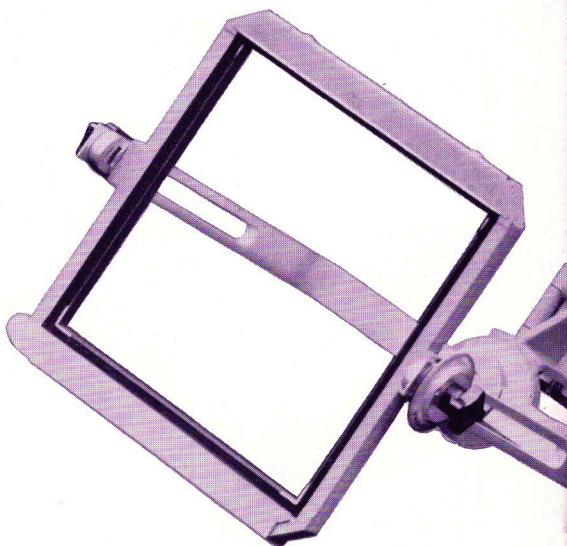


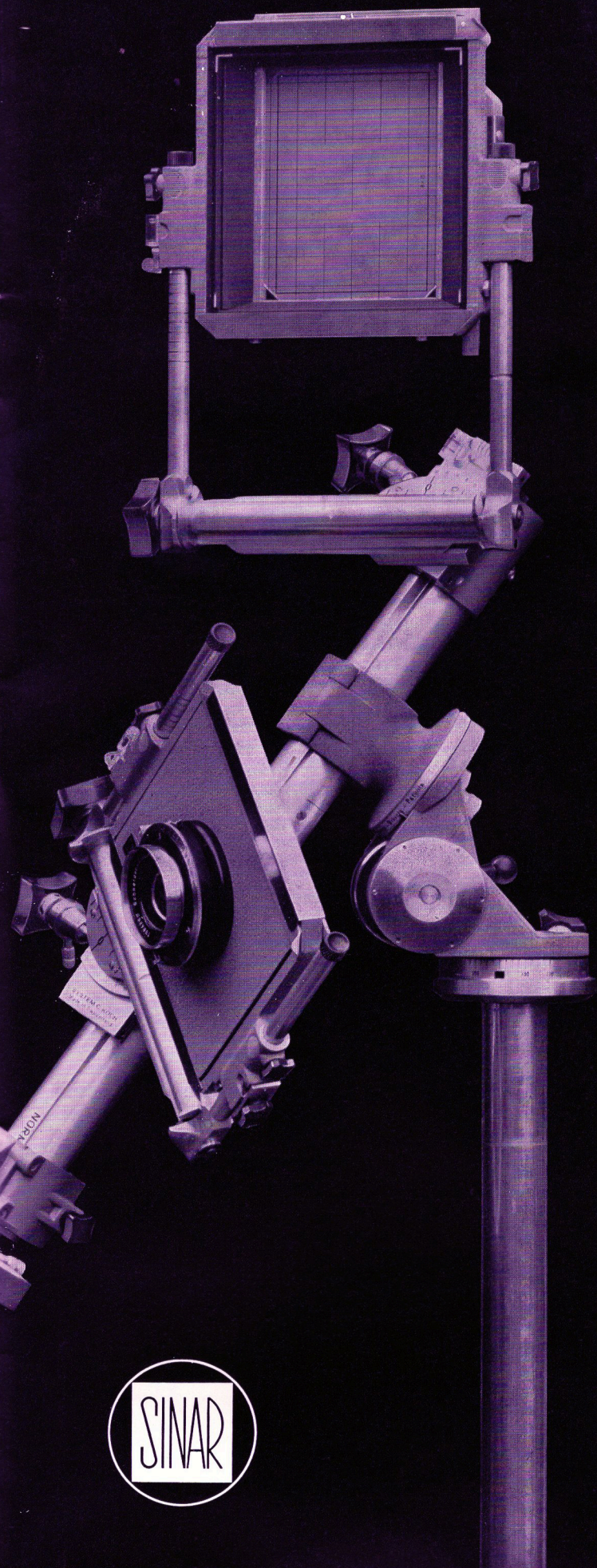
8×10 "
 18×24 cm
and smaller

The SINAR mechanism sets no limit to the possibilities of modern lenses

It may well be that the set-up shown here is an absurdity from an optical standpoint. Yet it is necessary to show that every individual movement can be taken to the extreme. There are no mechanical limitations whatsoever in the **SINAR**, which will allow the photographer the full benefit of both the lenses of today and the future.

SINAR'S combination of camera movements ensures that it will be able to meet all developments in photo-optics. This gives the professional photographer confidence that he has chosen the right camera, when he selects a **SINAR**.





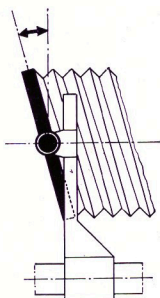
The SINAR Swing System: logical and more efficient

The SINAR could also be equipped with conventional nodal point swinging – but, in recognition of its limitations, here too the designers of the SINAR have branched out in a new direction.

The SINAR Swing System with its extreme range was developed because it offers more advantages than centre-swinging, without any of the drawbacks of that system.

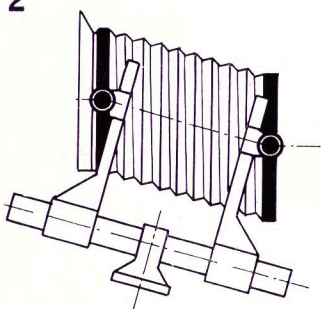
Here is the technical explanation.

1



Because it must still be possible to insert the plate or film holder for a horizontal format, the range of centre-swinging is limited to approx. 30°

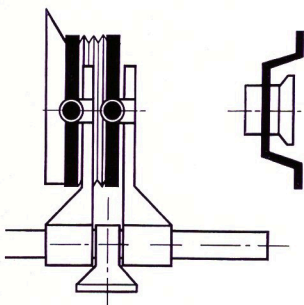
2



Therefore centre-swinging limits the inclination of the camera to approx. 30°

The amount of play necessary for focal plane adjustments is thus **finally reduced to nothing as the camera inclination increases.** If, with certain cameras, a further upward or downward movement is made, the focus is altered too.

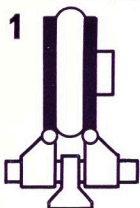
3



With centre-swinging the depth of the frame often causes trouble in the case of short extensions and **also impedes the swivelling of the camera.** To compensate for these drawbacks it is usual to employ recessed lens panels – which in turn lead to further focusing difficulties, and also often prevent the use of the matte box with short extensions. In these cases the **centre-swinging system is detrimental to the wide angle efficiency of the camera.**

The SINAR swings in accordance with the two-point law

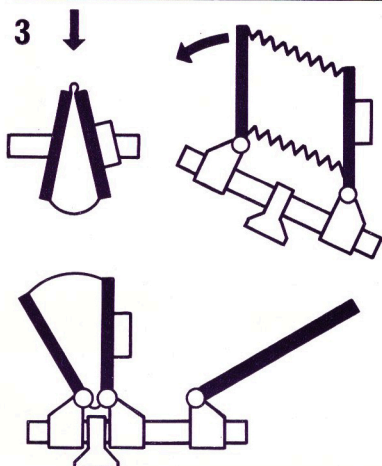
The design of the camera swings on the **SINAR** (base tilt in the horizontal axis) permits camera standards without projections. Thereby the **SINAR** offers greater versatility and important advantages in practical use.



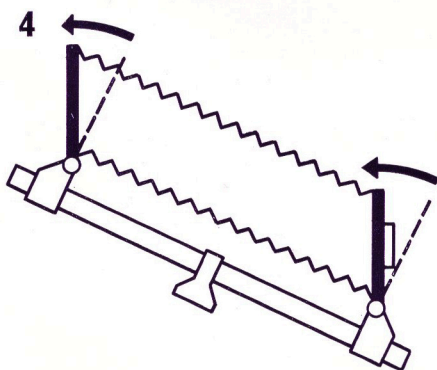
Optimum wide angle capabilities



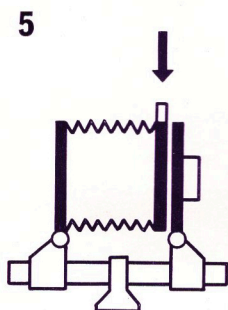
No recessed lens boards
(as from focal length 58 mm)



Maximum adjustability,
especially in positions
shown



Extensive
"indirect" front
and rear rise.
Particularly impor-
tant with long
camera extensions



Can be fitted with the
SINAR universal shutter.
(Also when using
wide angle lenses)

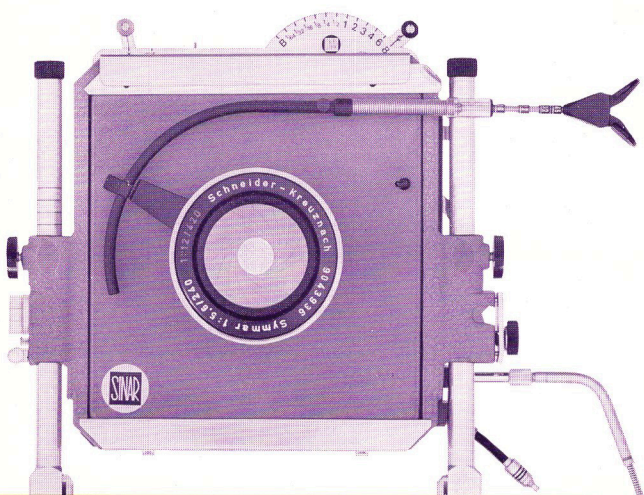
Superiority even with the accessories

SINAR Automatic Shutter Operation and reading from front or back. One shutter for all types of lenses. Uniform speeds and operation. Self-cocking. Pre-set speeds from 1/60 to 8 seconds and B. Flash firing impossible during ground-glass viewing. Built-in filter holder. Can be used for wide angle and all film sizes. Couples with **SINAR** aperture control with preselector and automatic cable accessory for shutter operation by insertion of film holder

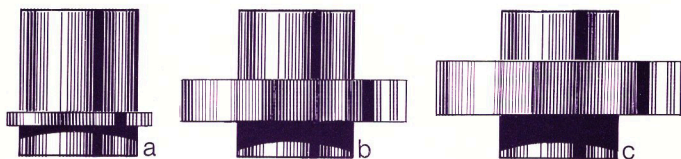
Write for our leaflet VE.

Aperture control. Operation and reading from all sides. Extended intervals on F-stop scale. Setting of intermediate values possible. Self-locking. Complete unit including lens panel can be attached in 4 different positions 90° apart. Can also be used for wide angle lenses. Subsequent installation on all **SINAR** lenses is possible.

Write for our leaflet VE.



The following lens and shutter systems can be used with **SINAR** cameras:



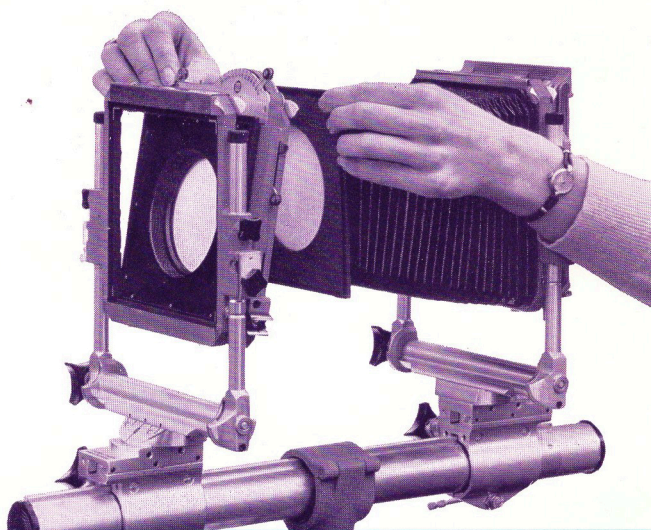
barrel mount

between-the-lens shutters
mechanical

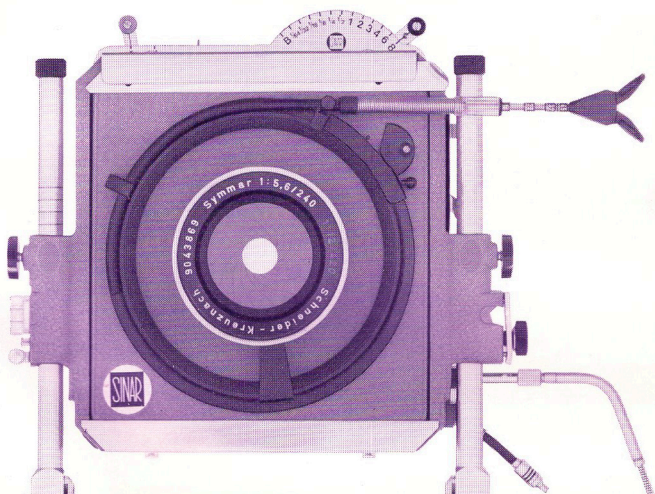
electronic
(if desired, with
remote control)

a, b and c-type lenses can be combined with the **SINAR** shutter ("a" being the most economic solution).

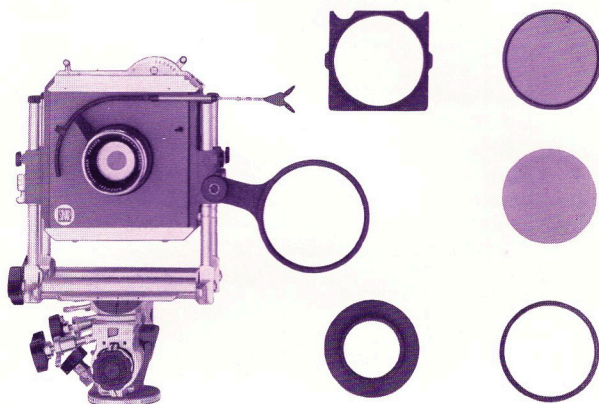
b and c-type lenses can also be used without **SINAR** shutter



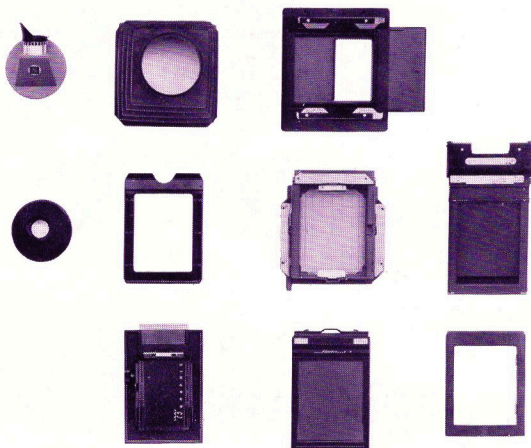
Aperture control with preselector Same as aperture control but with additional preselector for increased shooting speed, especially in fashion and portrait photography. Diaphragm, which is wide open for framing and focusing, stops down automatically to pre-set opening when film holder is inserted. Can also be operated manually. Write for our leaflet VE.



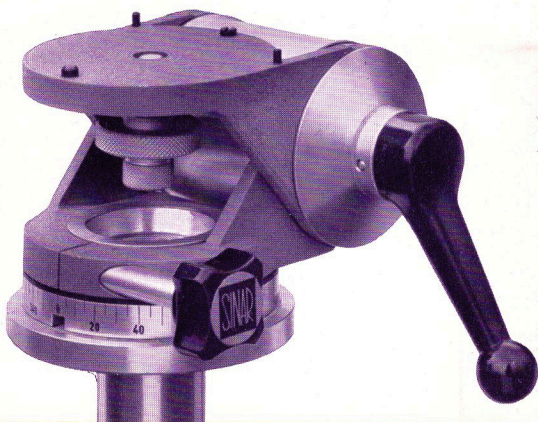
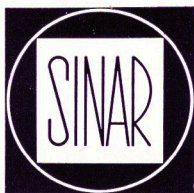
Swing-out double sided filter holder for 103 mm diam. glass or Pola filters. Square (10 cm sq.) gelatine filter holder and rubber bellows lens hood x 570 available, both screwed to fit above holder. Also reducing rings for Kodak No. VIII and IX filters.



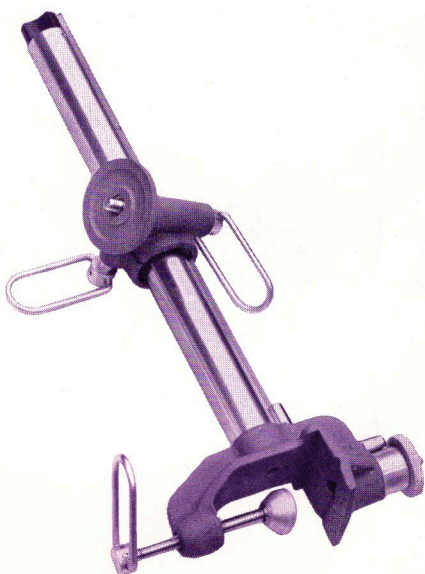
The SINAR 4 × 5/9 × 12 back will accept many Graflex, Linhof and Polaroid accessories, such as roll and sheet film holders. The Fresnel (field) lens can easily be fitted, also a dividing back and an enlarging attachment. It also accepts the SINAR viewing bellows with either standard or reflex focusing magnifier



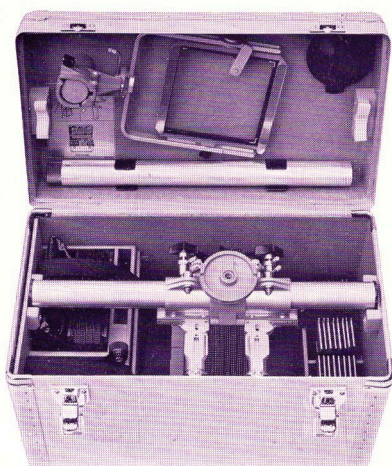
SINAR pan tilt head, with the disc brake principle, with spring loaded centering device; may also be used for other cameras. Turns through 360°, tilting range 210°, with easy-to-read graduated scales. Good grip. Locking lever adjustable as desired.



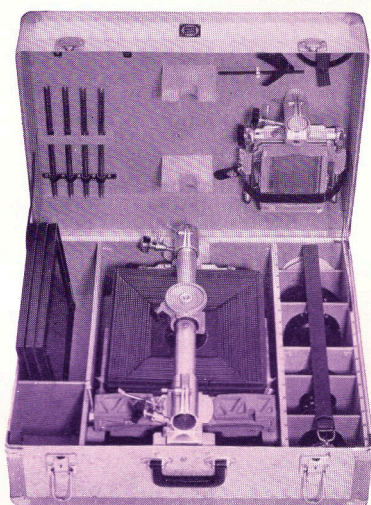
The SINAR all-purpose clamp and camera holder greatly increases the flexibility of all professional cameras. It assists the photographer in those awkward situations often caused by the limitations of a tripod. It removes the need for expensive ladder tripods, for copy holders and accessories.



Case for SINAR $4 \times 5/9 \times 12$; case for $5 \times 7/13 \times 18$, similar but somewhat larger The SINAR case is sturdy and can also be used as a stool.



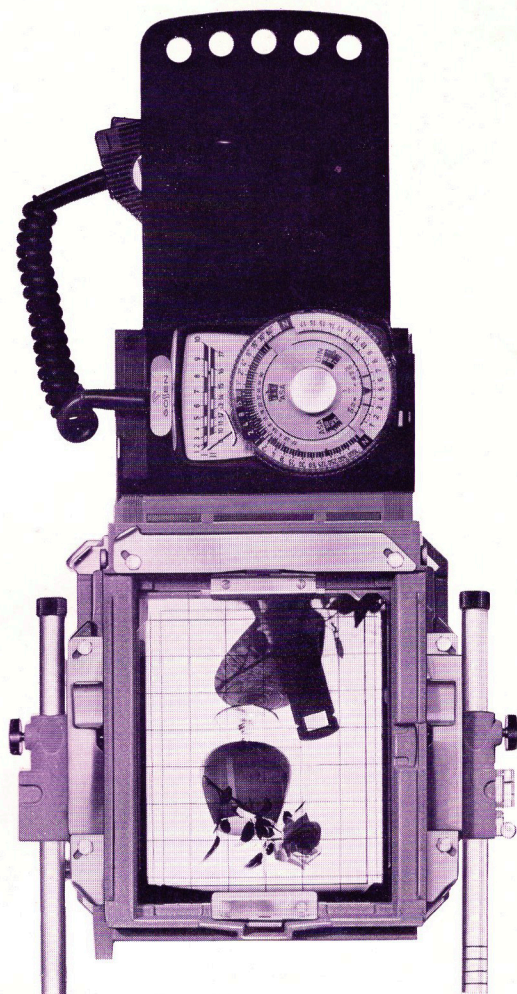
Case for SINAR $8 \times 10/18 \times 24$, with room for format-changing adaptor $9 \times 12/4 \times 5$.



All SINAR camera cases can be provided with carrying straps. Up to three outside pockets can be added to the $4 \times 5/9 \times 12$ and $5 \times 7/13 \times 18$ cases.



Cas
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Cas
9 x

**The SINARSIX
converts your view
camera into the most
advanced TTL
measuring device**

Its advantages are:

- Measurement right at the film plane
- Selective measurement, measured area of only $\frac{1}{10}$ sq.in. sharply defined. Marginal readings possible.
- Photo-resistance probe freely movable and visible through ground-glass
- Probe can be locked in chosen position
- Special scale for film plane measurement (eliminates all arithmetic)
- **RAPID** measuring method for instant use
- Measurement of contrast with automatic indication of exposure value
- Preselection of 5 different film speeds
- Interchangeable dial for reciprocity failure and pilot light

The SINARSIX can be used on all view cameras equipped with international back.

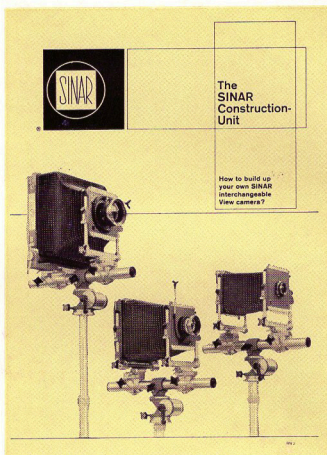
Write for our leaflet SE.

A
C
V
S
O
b
4
5

SINAR — setting the pace for modern professional cameras

As this booklet shows, the **SINAR System** is so versatile that it completely fulfils the requirements of many different types of photographic work. Because it uses the construction unit principle, you can start with the basic model **SINAR STANDARD**, if you wish. Additional components can be added later, as you need them.

Please write for the "**SINAR Construction Unit**" folder **BE**. It shows all the units, accessories and attachments, and makes it easy to build your own special **SINAR** to do just the job you want it to do.



Sole U.S. Distributor



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