

*Price List effective May 1st, 1937*

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THE  
**KINE 24 x 36mm**

**Exakta**



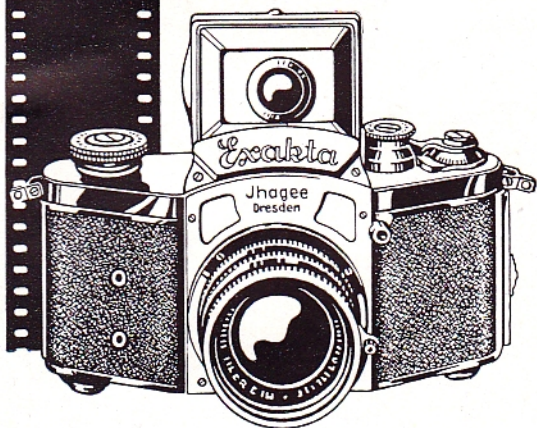
*Reflex Camera*

For the multi-exposure 35mm  
spool, combined with safe and  
certain focusing and image  
composition on a magnified  
ground-glass screen.



KINE

Exakta



*When corresponding with the Service Department of the distributors about uses of the Exakta, Repairs, Accesories, etc., state always Camera Number, Kind of Lens and Lens Number.*

Register your camera with the distributors stating dealer's name and address, Camera and Lens Number, Lens type; print your name and address clearly.

This registration may facilitate recovery in case of loss.

**KINE**

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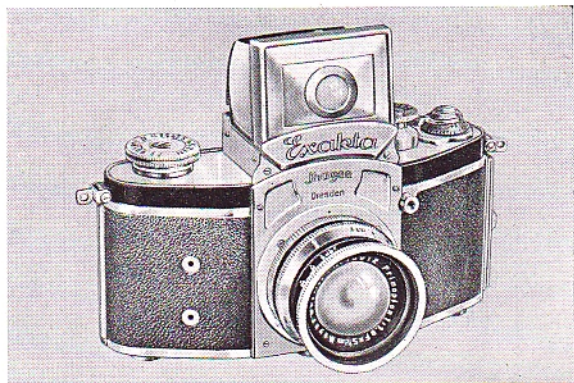
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# EXAKTA

**Reflex Cameras**

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**In every civilized country . . .**

. . . the "Exakta" camera has made friends. During the last few years the unusual advantages of this type of camera have led to great popularity all over the world, and its undeniable technical points have been admitted by everyone who has given it a thorough practical test.

Thus it arose that a second model in the Exakta series came to be designed: this time not taking the medium sized 4x6.5 cm. negative, but the multi-exposure spool of the miniature camera proper.

**The new Exakta model: "Kine-Exakta," a precision miniature camera of remarkably wide range**

The most important points of the new model may be summarized as follows: The Kine-Exakta is a miniature camera of the highest quality.

It takes normally 36 exposures on a strip of cine film 63 inches long, each exposure being 24x36 mm. (1x1½") in size. The camera takes normal film cartridges of perforated 35 mm. cine film in the above length.

Should it be desired to remove a portion of the strip after exposure, but without taking the still unexposed section of film out of the camera, a small knife—built into the camera body—can be used to separate the exposed section.

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For exposures which are better made at eye-level than at chest-level, or for rapid snapshot work where it is essential to follow the subject with the eye rather than on the ground glass, the built-in frame view-finder in the finder hood of the Kine-Exakta may be used.

**The Kine-Exakta is the sole single-lens reflex camera among all the miniature cameras on the market in which a negative size of 24x36 mm (1x1½") is combined with safe and certain focussing and image composition on a ground-glass screen.**

This important matter has the result that the range of work which the instrument can undertake is **practically limitless**. Whether lenses of long or short focus are used; whether the distance from the subject to the camera is measured in miles or inches; whether a normal lens is used, or whether the extension tubes are used for very close objects; and whether normal photography or photo-micrography is being done—the image on the ground glass of the Kine-Exakta is precisely the same as that which will subsequently be recorded on the sensitive film. There is not a trace of a difference between the two, whether in focus, depth of focus, or field of the subject included.

The accuracy and convenience of this system places the single lens reflex far above all others.

### **The explanation of this ease of focussing . . . .**

. . . will prove interesting to the amateur photographer, for the difficulties involved were more than considerable.

Focussing is arranged just as in all other true reflex cameras, on a horizontal ground-glass screen, on to which an image is thrown from the camera lens by means of an oblique mirror. Since the accuracy required in focussing the miniature negative is very great—for the circle of confusion is reckoned in this size as 1/750th of an inch—the ground glass of the Kine-Exakta has been combined with a special focussing magnifier, and the two together resemble a single, rather thick, plate of optical glass. The lower side is plane, and very finely matted, while the upper side is spherical and forms a magnifying lens. The upper surface, moreover, is carefully adjusted so that the focal length of the lens it forms is situated exactly on the plane lower side. Thus, when the eye is placed over the finder hood of the camera, a very bright and considerably enlarged picture—4x6 cm. (1½x2¾") in size—is seen. The image is bright right to the corners, and the focussing is enormously simplified by this patented device.

A second magnifier is also provided which again gives an image twice the normal size and shows the central portion of the picture only. The accuracy of focussing is greatly increased by this magnifier, and at this point is equivalent to focussing a picture 2¼x3¼ inches in size on ground glass, in which case the circle of confusion need only be reckoned as 1/200th of an inch.

### The lens is rapidly interchanged . . . .

. . . and is mounted in a strong bayonet joint to facilitate this operation. All the lenses fitted to the camera are of the highest optical quality.

Lenses of different apertures and a variety of different focal lengths can be used in the bayonet fitting, and may be changed without exposing or fogging the film in the camera at the time. For very close work, or for copying, a series of extension tubes of various lengths are used in conjunction with the normal lenses, and microscope work can also be undertaken by using the microscope attachment made specially for use with the Kine-Exakta.

### The focal-plane shutter . . . .

. . . gives a wide range of exposure values, and is mechanically connected to the film winding gear so that double exposures cannot be made accidentally. The range of speeds is from 12 seconds to 1/1000th of a second, and a delayed-action mechanism is fitted for self-portrait work allowing 12 seconds to elapse after the release button has been pressed before automatically releasing the shutter for any exposure up to 6 seconds.

Although the mechanical coupling between shutter and film wind does away with accidental double exposures, it is quite simple to expose twice on one section of film where trick effects of this kind are required.

### The Kine-Exakta is a true reflex camera . . with only one lens . . . .

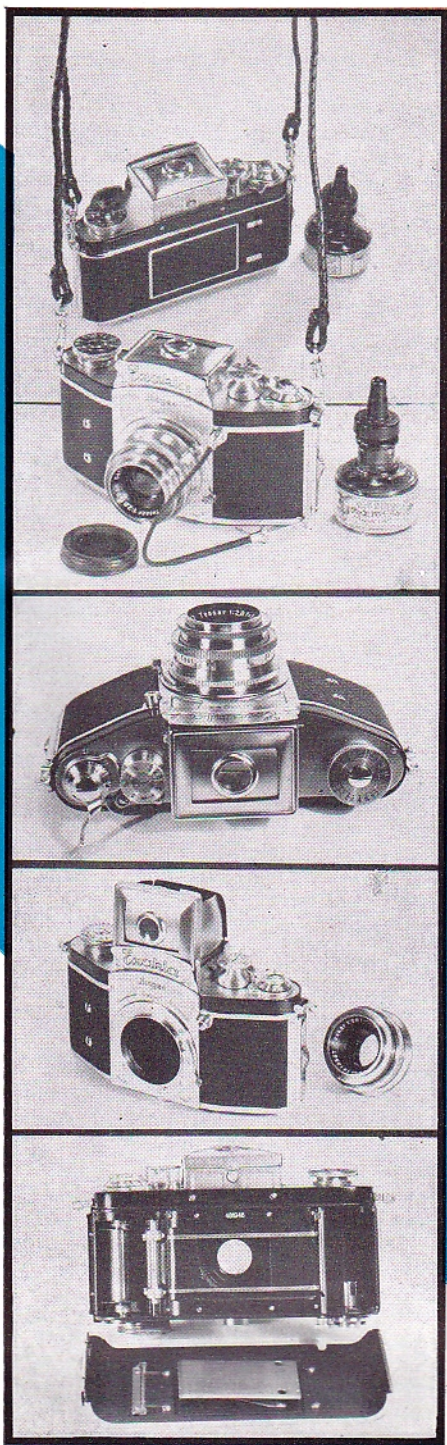
It is the exceptionally satisfactory focussing system and the ease of composing the picture which brings the Kine-Exakta into such prominence among precision miniature cameras. **Among all other miniature reflexes, in fact, this camera is the only true reflex instrument in the correct sense of the word.**

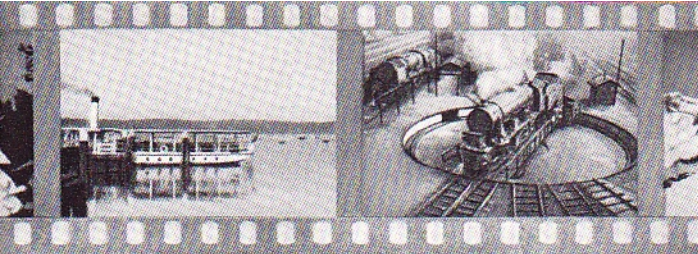
The instrument has **only one lens**—it is a true "reflex" camera. This lens which is an **Anastigmat** serves both to focus the picture and compose it on a small spring-actuated mirror which throws an image on the ground-glass in the finder hood. The very same lens takes the actual photograph on the film at the back of the camera.

### Easier composing and focussing . . . .

. . . is the result of this system, for the image observed on the ground glass is identical, both in composition and focus to that which will subsequently be recorded on the film. Differences between the image on the ground glass and on the film cannot possibly arise.

The troubles of parallax, or the use of a restricted image in the view-finder, either or both of which must inevitably be found in the twin-lens type of instrument when exposures are made at short range, or with lenses of greater focal length than that of the finder, are entirely absent in the Kine-Exakta.





## PRICE LIST

*Effective May 1st, 1937*

Prices are subject to change without further notice

### Specification of the Kine-Exakta:

*Die-cast light metal body—completely light-tight; folding finder hood opening by pressure on a button; frame finder; Built-in ground-glass screen and combined magnifier; second accessory magnifier for critical focussing; rewinding and film-cutting devices; mechanical interconnection between shutter and film wind; picture counter to 36 exposures. Focal-plane self-capping shutter, giving exposure between 12 seconds and 1/1000th second normally, and 6 seconds and 1/1000th second with delayed-action mechanism. Interchangeable lenses in bayonet fitting. Precision helical focussing from infinity to 3 feet. Automatic shutter lock, which only allows the shutter to be released when the finder hood is erect. Precision film channel in camera back. Tripod bush, leather neck sling, flexible cable release, and connection sockets for flash-bulb work included.*

### KINE-EXAKTA

|   |          |
|---|----------|
| 8140-BR—With Exaktar F/3.5—5 cm.....      | \$130.00 |
| 8140-PR—With Primotar F/3.5—5 cm.....     | 140.00   |
| 8140-Q —With Zeiss Tessar F/3.5—5 cm..... | 160.00   |
| 8140-E —With Zeiss Tessar F/2.8—5 cm..... | 175.00   |

### KINE-NIGHT EXAKTA

|   |          |
|---|----------|
| 8140-LR —With Zeiss Biotar F/2—5.8 cm.....    | \$240.00 |
| 8140-PL —With Meyer Primoplan F/1.9—5 cm..... | 200.00   |

### INTERCHANGEABLE EXTRA LENSES

These lenses fit the Bayonet Mt. of the Kine-Exakta interchangeably with the standard lens, giving a greatly increased scope of usefulness to the camera.

With the two Tele-Tessars of 18 and 25 cm. focal length some vignetting appears on the narrow sides of the picture, which, however, does not amount to much, as in a tele-exposure the main subject is in the centre of the picture.

|                              |          |
|------------------------------|----------|
| Tessar F/4.5—12 cm.....      | \$100.00 |
| Tele Tessar F/6.3—18 cm..... | 195.00   |
| Tele Megor F/5.5—15 cm.....  | 87.50    |
| Tele Megor F/5.5—18 cm.....  | 110.00   |
| Tele Megor F/5.5—25 cm.....  | 160.00   |

## KINE-EXTENSION TUBES chromium plated

Extension tubes serve to increase the distance between the lens and the focal plane, thus making it possible to make photographs of objects extremely near the camera, using the regular camera lens. Both tubes may be used together to obtain natural size images.

|   |        |
|---|--------|
| Extension tube A, 1.5 cm. length ( <i>not for Night Exaktas</i> ) ..... | \$5.00 |
| Extension tube B, 3 cm. length (for all Kine-Exaktas)....               | 5.00   |

## KINE-LENS-MOUNT ADAPTERS

Pair of adapters from bayonet to screw mount, required with extension tubes, each pair, complete.....\$6.50

## KINE-EVEREADY CARRYING CASE

This case provides complete protection to the camera while keeping it ready for instant use.

|             |   |        |
|-------------|---|--------|
| KINE-7334   | —For all Exaktas except Night Exaktas....                   | \$7.50 |
| KINE-7334LR | —For Night Exaktas with Biotar F/2 or Primoplan F/1.9 ..... | 8.50   |

## KINE-FILTERS

**Yellow (Y)**                      **Red (R)**                      **Green (G)**

Filters in each size are supplied in three grades, light medium and dark. When ordering state density desired "l", "m" or "d", and color Y, R or G.

|           |   |        |
|-----------|---|--------|
| KINE-9651 | —For Exaktar (BR), Primotar (PR), Tessar F/3.5 (Q.). When ordering indicate lens by adding code letter to the number..... | \$3.00 |
| KINE-9652 | —For Tessar F/2.8 (E) .....   | 4.00   |
| KINE-9655 | —For Biotar F/2 (LR) or Primoplan F/1.9 (PL) .....  | 6.00   |

## KINE-LENS SHADES

A lens shade is essential when working against the light, but practically every outdoor shot will be of better quality if a sunshade is used regularly.

|              |                                 |      |
|--------------|---------------------------------|------|
| KINE-9654-BR | —For Exaktar F/3.5—5 cm.....    | 2.00 |
| KINE-9654-PR | —For Primotar F/3.5—5 cm. ....  | 2.00 |
| KINE-9654-Q  | —For Tessar F/3.5—5 cm. ....    | 2.00 |
| KINE-9654-E  | —For Tessar F/2.8—5 cm. ....    | 2.00 |
| KINE-9656-LR | —For Biotar F/2—5.8 cm.....     | 3.00 |
| KINE-9656-PL | —For Primoplan F/1.9—5 cm. .... | 3.00 |

## KINE-SUPPLEMENTARY LENSES

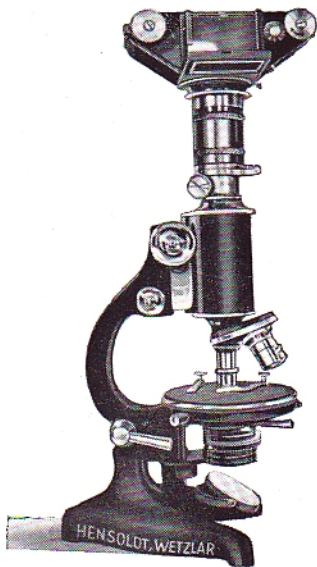
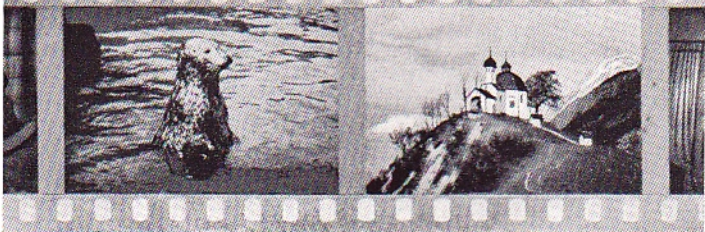
SUPPLEMENTARY LENSES FOR CLOSEUP

|              |                            |      |
|--------------|----------------------------|------|
| KINE-3641-BR | —For Exaktar F/3.5 .....   | 3.00 |
| KINE-3641-PR | —For Primotar F/3.5 .....  | 3.00 |
| KINE-3641-Q  | —For Tessar F/3.5 .....    | 3.00 |
| KINE-3642-E  | —For Tessar F/2.8 .....    | 4.00 |
| KINE-3643-LR | —For Biotar F/2 .....      | 5.00 |
| KINE-3643-PL | —For Primoplan F/1.9 ..... | 5.00 |

## MISCELLANEOUS ACCESSORIES

|   |        |
|---|--------|
| Neck Strap, pleated leather cord with carbines..... | \$1.75 |
| Screw Button for Eveready Case.....                 | .50    |





## KINE- EXAKTA MICROSCOPE ADAPTER

FOR PHOTOMICROGRAPHS the Exakta is an ideal instrument. Here, too, the focusing by means of a mirror proves to be the most perfect construction for photographic cameras. The Exakta is adapted to the microscope by means of the

### EXAKTA MICRO-ADAPTER

This adapter can be turned over, thus permitting the interchange of the oculars of the microscope and to change the scale of enlargement.

Kine-Exakta Micro-Adapter  
in Case

8925 ..... 35.00

## FLASHBULB SYNCHRONIZER

Exakta cameras have built-in synchronizing contacts so that it is only necessary to connect the battery and the bulb socket to the camera to complete the synchronizing circuit.



- 8472—Vacublitz I—Battery case, reflector, socket, and connector ..... 7.00
- 8473—Vacublitz II—Complete outfit, Vacublitz I together with extension arm for socket and reflector, extension connectors, clamps to hold extra units and adapter ..... 12.00
- BAT—Complete Battery set for Vacublitz I or II (for replacement) ..... .30

## FINGER RELEASE KNOB

9662—Provides a larger pressure area so that the Exakta may be operated even when wearing heavy gloves. ....\$ .50

## LEATHER FOCUSING HOOD EXTENSION

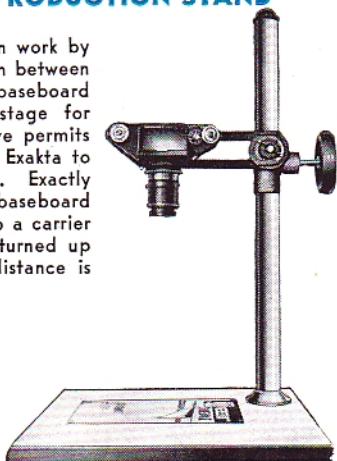
To fit over the metal focusing hood to completely block extraneous light.

KINE-9657—12 cm. extension fitted with large focusing magnifier ..... 4.00

## EXAKTA REPRODUCTION STAND

to facilitate reproduction work by ensuring exact parallelism between object and camera. The baseboard serves also as object stage for close-ups. A friction drive permits rapid adjustment of the Exakta to the required distance. Exactly above the center of the baseboard the camera is screwed to a carrier arm which can also be turned up vertically if a greater distance is required.

The use of this frame is possible only with Exakta extension tubes. By means of the Tube A—1½ cm. an area up to abt. 14x23 cm. can be reproduced.



8810—Exakta Reproduction Stand .....\$35.00

## KINE-LUMIMAX ENLARGERS

FOR USE WITH THE BAYONET-MOUNTED KINE-EXAKTA LENS



The Lumimax enlargers are of seasoned wood, leather covered and white enamelled inside. The design is such that they may be used vertically or horizontally.

5950-B Lumimax B, with condenser..\$19.75  
 W-5202-G Wooden Stand ..... 4.00  
 M-5202-G Metal Stand ..... 7.50  
 6500 Baseboard 15x16½" ..... 3.25

## COMPLETE KINE-LUMIMAX B

With Wood Stand .....\$27.00  
 With Metal Stand ..... 30.50

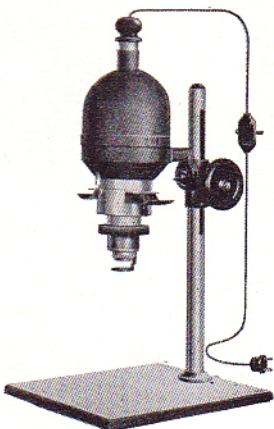
Universal Paper Holder, Bookform with sliding marginal masks. Takes up to 8x10" .....\$7.00

## KINE-PROJECTION LUMIMAX

WITH BAYONET-LENS MOUNT FOR KINE-EXAKTA LENSES

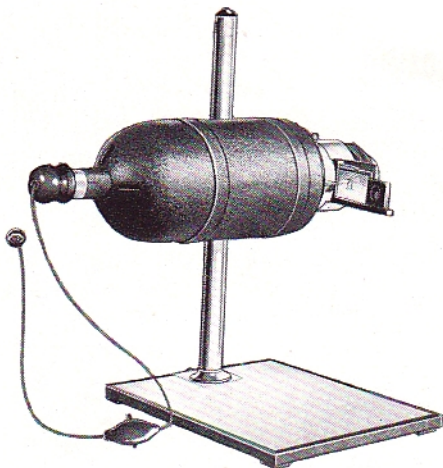
The Projection Lumimax is a metal enlarger. A metal lamphouse is supported by a metal post. The lamphouse position is controlled by means of a hand wheel while focusing is accomplished by means of a large disc easily grasped. The lamphouse may be turned to the horizontal position for enlargements of greater scope than permitted by the vertical position.

For enlarging, use 100 Watt opal lamps, for projection, 100 Watt clear projection bulbs and the lamp house extension.



The Baseboard is of Hard Wood, 13x15".

Used as projector with 5 cm. Kine-Exakta Lens, a screen picture of 3'x4' is obtained at about 4 feet distance.



Projection enlarger Lumimax with stand, baseboard, condenser and 24x36 mm. glass mask without lamp.

|                     |  |                |
|---------------------|--|----------------|
| <b>KINE-9700</b>    | —Without lens, but with mount for Kine-Exakta lens ..... | <b>\$60.00</b> |
| <b>KINE-9700-PR</b> | —with Primotar F/3.5 .....                               | <b>80.00</b>   |
| <b>KINE-9700-M</b>  | —with Ihagee Anastigmat F/4.5 .....                      | <b>70.00</b>   |
| <b>KINE-9700-P</b>  | —with Ihagee Anastigmat F/3.5 .....                      | <b>77.50</b>   |

### ACCESSORIES FOR KINE-PROJ. LUMIMAX

|   |                                   |               |
|---|-----------------------------------|---------------|
| <b>Lamphouse extension</b>  | for even screen illumination..... | <b>\$4.50</b> |
| <b>Extra glass masks</b> , 24x36 mm., 3x4 cm., in wooden containers, each .....   |                                   | <b>1.80</b>   |
| <b>9736</b> —Sliding lantern slide carrier, when using enlarger as a lantern slide projector, 4.5x6 cm. and 5x5 cm., each ..... |                                   | <b>1.70</b>   |
| <b>9735</b> —Glass pressure frame for single films.....   |                                   | <b>1.50</b>   |
| <b>Extension tube</b> for reducing 6x6 negatives to 5x5 cm. lantern slides, applied between enlarger and lens.....              |                                   | <b>6.00</b>   |
| <b>Universal paper holder</b> for the enlarger. Bookform with sliding marginal masks. Up to 8x10".....                          |                                   | <b>7.00</b>   |

**KINE EXAKTA, for 35 mm. film**  
**V. P. EXAKTA, for 4x6.5 cm. film**  
**KINE-EXAKTA ACCESSORIES and**  
**KINE-EXAKTA ENLARGERS**

Manufactured by  
**IHAGEE KAMERAWERK, DRESDEN**



Exclusive U. S. A. Importers  
and  
*Distributors East of the Rocky Mountains*  
**PHOTO MARKETING CORP.**  
10 West 33rd Street, New York, N. Y.



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