Paperwork Packed with Exakta VX Camera 1955

IMPORT CERTIFICATE

Serial No. of Exakta

Serial No. of Lens

744955

346403

This is to certify that the Exakta equipment identified by the serial number indicated above has been legally imported by us and U.S. Customs duty has been duly paid. Upon returning from abroad, presentation of this certificate to the U.S. Customs Officials will enable re-entry of this Exakta equipment duty free.

EXAKTA CAMERA COMPANY 705 Bronx River Road Bronxville 8, N. Y.

Exclusive Factory Representative in the United States for Ihagee Camera Works, Germany

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OWNER'S REGISTRY CARD

Serial No. of Exakta

Serial No. of Lens

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I have purchased the Exakta Camera bearing the above Serial Numbers. I understand this card entitles me to free correspondence service and periodical mailings.

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IMPORTANT

Mail your registration card to us today . . . this will register you as the owner of the Exakta Camera which you purchased. For your own protection, in the event of loss or theft, it assures you of receiving information regarding serial numbers and other information pertaining to your camera. Also, you will receive free mailings about new Exakta developments. Just fill in the attached card. DO IT NOW!

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GUARANTEE

SERIAL NO. OF EXAKTA

744955

SERIAL NO. OF LENS

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The EXAKTA CAMERA, identified by the above Serial Numbers, is GUARANTEED against any defects in material or workmanship for a period of one year from date of purchase. This GUARANTEE is in effect only if the Owner's Registry Card is filled in and mailed to us on the day you purchase the camera.

GUARANTEE is void if you operate your camera improperly, attempt to repair it, or if the camera is tampered with in any way.

\$\rangle \text{inition} \text{initio

Please note this is a personal guarantee to the initial owner and is not transferable.

EXAKTA CAMERA COMPANY
705 Bronx River Road Bronxville 8, N. Y.

Exclusive Factory Representative in the United States for Ihagee Camera Works, Germany

You have just purchased one of the world's finest imported precision cameras. Please be sure to read the instruction booklet very carefully before operating this camera. It is of utmost importance that it be handled strictly in accordance with this booklet.

The EXAKTA is a universal camera, excellent for amateur and professional work, sport and action, clinical, dental, micro, color portrait, close-up, copying, and aerial photography.

When going abroad, be sure to carry the Import Certificate. This certifies that your EXAKTA was legally imported by us and U.S. Customs duty has been duly paid. When returning from abroad, presentation of this certificate to the U.S. Customs Officials will enable the re-entry of your EXAKTA duty free.

IMPORTANT - CAUTION!

Before inserting Flash bulbs into flashgun, be sure to wind your Exakta shutter fully - otherwise the bulb will "Fire" in your hand.

Repeat: You must wind the shutter fully, then insert bulb. When your shutter is unwound, the flash contacts in your camera are shorted. Consequently, they are in a "firing" position. When you wind your shutter, the contact points are in an "off" position. Only then can you place flashbulbs into flashgun.

VERY IMPORTANT!

Please be very careful not to damage or scratch your lens by using abrasives or other harsh cleaning agents, or by resting the lens on rough surfaces. This is especially true of the rear lens elements. On many lenses the rear lens element protrudes slightly from the metal casement and damage often occurs when the photographer removes the lens and places same on rough surfaces. If you must remove your lens and rest same on a table or other surface make certain to place a lens cover on the lens or place a soft cloth between lens and surface.

EXAKTA CAMERA COMPANY

705 Bronx River Road Bronxville 8, N. Y.

IMPORTANT NOTICE

If this Exakta Camera was shipped to you by mail or other carrier, please examine the mirror in the camera. It is possible for the mirror to break because of improper handling through shipping. Remove the lens and look inside. If the mirror is damaged or if there are glass splinters, do not operate the shutter. Return the camera immediately to Exakta Camera Company, 705 Bronx River Road, Bronxville 8, N. Y.

CLEANING THE MIRROR

If you handle the Exakta Camera properly, the mirror will not become dirty in any way. If, however, there should be some dust on it, clean it merely by blowing. This will remove the dust. Do not use any cleaning agent.

EXAKTA FLASH GUN

The synchronization of the Exakta Camera is very delicate. Only Flash Guns with a specially designed plug should be used. Many Flash Guns offered by dealers have plugs which may damage the camera. We recommend that you use only the original Exakta Flash Gun. In cases where a Flash Gun has already been purchased before, a special Security Intermediate Plug can be obtained, price \$3.00. Cameras damaged by using improper Flash Guns are not covered by the factory guarantee and any necessary repairs will be charged at the usual price.

IMPORTANT: Always wind shutter before inserting flashbulbs into flashgun!

CAUTION: If the camera is exposed to the sun so that the sun rays shine directly into the lens it will cause the lens to act as a magnifying glass and can burn a hole in the curtain of the shutter. To avoid this we suggest the use of a lens cap whenever the camera is not in use.

EXAKTA CAMERA COMPANY

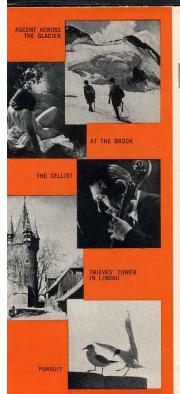
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My Beloved Exakta

by Heinz Muller-Brunke adapted and translated by Ruth Marton

HIS book speaks of a great love. It tells the story of a man's finding his companion for life, of his timid and aimless groping at the beginning of his search, of the happiness of a first meeting which then led to the bliss of complete understanding. Life's colorful language is being listened to as well as spoken. Gay holidays follow hard work, success grows out of disappointment. Small stones compose the mosaic, and their luminosity makes you forget that they are held together by the gray mortar of everyday life. Words are not the real elements of this book; they only show the way, the road at the end of which stands the picture.

May I ask you, the reader and viewer, to leave yourself to the guidance of a true photographer? Heinz Muller-Brunke is a man of the Big City. But although the narrow frame of cities allowed him to shoot pictures of a very particular kind, although it was there that he learned about light—and to see altogether—it was nature and its wide spaces which one day got hold of him, and where he grew roots never to be severed again.

His love of camera and photography is soon eclipsed by a deep love of all the things that make the world beautiful. After the difficulties of technical skills are overcome, the camera willingly acts as mediator between man and nature. Just as the real hunter is full of understanding for every creature in his realm, the true photographer becomes the friend of every subject on which his camera focuses.

However, even today miniature photography is often considered a playful sport because of the cheapness of supplies—a sad interpretation of one of the greatest achievements of modern photography. Aside from its value to the press, to science and technology, a miniature camera, particularly a single-lens reflex, opens to the photographer every realm of photography. The ground glass image helps in the search for beautiful scenes.

This book particularly addresses itself to the friends of the Exakta, those who want to try for pictures similar to those taken by Muller-Brunke. Of course, there is no getting ahead without proper enthusiasm. Miniature photography needs special discipline, clean precision, although a single-lens reflex camera offers so much to facilitate working that one can concentrate almost entirely on the picture itself, instead of also on the technical side of it. Heinz Muller-Brunke says it is for this reason that he has chosen the single-lens reflex camera. To him the scene is always the starting point of his work, while he is looking for the simplest technical way—within the reach of everybody.

(from the Introduction by Werner Wurst)

Every Exakta owner will enjoy this beautiful book and will be proud to have it in his library. "My Beloved Exakta" is printed in a limited edition, therefore, reserve your copy now to make certain you get it.

Album Size, 128 pictures (8 in color) with technical data about each picture, Publisher's price....\$5.00

NO ENVELOPE OR STAME

one-time privilege!

You are the proud owner of an Exakta camera, so you know that photography can be pleasure and art at the same time. With the world-famous Exakta, you will want to take pictures of outstanding quality—of exhibition caliber. To do this, however, you will require practical background and guidance.

MY BELOVED EXAKTA provides just that. With this book, you will have a concise wealth of useful photographic information, together with the inspiration by one of the best Exakta photographers — Heinz Muller-Brunke. With MY BELOVED EXAKTA you will hurdle many obstacles with which new photographers are usually confronted. It is for this reason that we offer you the privilege of securing one copy of MY BELOVED EXAKTA at a reduced price . . . if you act now!

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Dear Friend:

You are now the owner of an Exakta camera.
Properly used, it will give you pictures of professional caliber. But good photography is an
art. And like any other art requires a background of knowledge, training and skill. We
want you to have the book MY BELOVED EXAKTA. —to give you the inspiration and background you will require for good photography. That is why we are giving you the privilege of obtain-ing one copy of MY BELOVED EXAKTA at the special price of only \$3.00 (with this Coupon Envelope) instead of the regular price of \$5.00.

With MY BELOVED EXAKTA you will have the very best in contemporary photography and Exakta camera technique.

We sincerely believe you will enjoy MY BELOVED EXAKTA. The experiences of its au-thor-photographer, Heinz Muller-Brunke will certainly guide you to shoot excellent pictures certainly guad you to snow exceeds particles of children, portraits, aquatic scenes, mountain scenes, birds, animals and pets, landscapes, flowers, theatre and nude studies.

We urge you to order your copy today!

Very truly yours,

EXAKTA PUBLICATIONS





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special offer!

FOR NEW EXAKTA CAMERA OWNERS (THIS OFFER MAY BE WITHDRAWN AT ANY TIME WITHOUT NOTICE)

Bring this "Special Offer Coupon Envelope" to your Exakta Camera Dealer to get your copy of MY BELOVED EXAKTA by Heinz Muller-Brunke, at the "Special Offer" price of only \$3.00, instead of the regular price of \$5.00. YOU SAVE \$2.00! If you prefer, mail this "Special Offer Coupon Envelope" at once with your check or Post Office money order for \$3.00 to receive your copy of MY BELOVED EXAKTA. You Save \$2! Regular Price \$5.00.

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Photography Magazine (Great Britain) . .

and theroughly enjoy".

Mabel Scacheri, N. Y. World Telegram, Photography
Editor...

The poor old pictorialists who have been taking quite
a few hard knocks in the last few years should get a
few hard knocks in the last few years should get a
few hard knocks in the last few years should get a
few hard few hard few hard few hard few hard
Leaklid, with pictures and text by Heinz Molle-Granke
Most of the 120 pictures are landscapes, many
of them mountain scenes and all with fine use of sunlight.
There are close-up of flowers, and a very funny mean
close-up of two gulfs, one strutting like a drum major
behind the other.

Journal of the Biological Photographic Association . This is a story in words and pictures of the author's adventures with his 35-mm Exakta camera. His excellent pictures show that he has a remarkable insight artistically, and undoubtedly a great amount of technical skill as well, Cettainly, he proves that the Exakta camera is a versatile piece of equipment..."



DO NOT REMOVE THIS TAG BEFORE READING THE FOLLOWING AND BE FULLY INSTRUCTED HOW TO OPERATE THE CAMERA

We want to emphasize that the Exakta camera is a precision instrument which—like any other precision instrument—has to be operated in the proper manner. If you do not operate this camera properly you cannot expect it to work perfectly and you will run the danger of spoiling the camera. An instruction booklet is enclosed with the Exakta camera giving details how to operate this camera properly but we still want to emphasize the following important points which we suggest you follow very carefully.

1. If the mirror is broken or if you have any suspicion that it is broken, ascertain if this is so by removing the lens and look at the mirror. If the mirror is broken, don't touch the camera. Re-

turn it to us immediately for repair.

2. If the camera doesn't work properly, don't at-tempt to fix it yourself and don't give it to a local repairman. You must return the camera to us immediately or the guarantee becomes invalid.

3. The camera will not work unless the hood is

open.

4. It is preferred that you first wind the film transport lever before you set the dial on the fast speed knob. You cannot set the dial on the slow speed knob unless you wind the film transport lever first and the dial on the slow speed knob is wound thereafter. When you wind the dial on the slow speed knob, please note that it may be stiff and sometimes it may require a very short wind and at other times a long wind. Do not forget that the film transport lever and the slow speed knob must be wound fully.

5. When using black numbers on the slow speed knob, please set the dial on the fast speed knob only on B or Z, and under no circumstances on fast speeds from 1/25th to 1/1000th. We must emphasize again: never use black numbers on the slow speed knob unless you have set the dial

of the fast speed knob on B or Z.

EXAKTA CAMERA CO.

705 BRONX RIVER ROAD . BRONXVILLE 8, N Y.

INSTRUCTIONS FOR OPERATING WESTANAR AND WESTAGON LENSES

IMPORTANT: When removing or placing the Westanar or Westagon lens on camera, be sure to hold the lens on the pear shaped mount (the part of the lens nearest to camera). Under any circumstances, do not touch any other part of the lens mount. The reason being that the Westanar and Westagon lenses are constructed in a series of opening rings which have fine adjustments within each ring. If you force these rings, you will damage the fine internal adjustment stops! Also, when setting the diaphragm, never force the rings beyond the stop mark on the lens.

The Westanar and Westagon lenses have two settings — Automatic and Manual.

AUTOMATIC SETTING: To set your lens for fully automatic, move the knob to the extreme right so that the green dot is directly below the red dot.

Select the diaphragm stop you want; that is, (F2.8, 4, 5, 6, 8, 11, 16) by moving the ring directly above the knob. The diaphragm stop selected should be placed directly below the line located between the double 2.8 markings on the third ring.

Please note that for automatic operation, red and green dots must move together at all times.

MANUAL SETTING: To set your lens for manual operation, move the knurled knob to the extreme left so that the red dot is directly below the other red dot.

Set your diaphragm stop directly below the red line on the lens mount. This line is located between the double 2.8 markings.

Please note for manual operation the two red dots must also move together.

INSTRUCTIONS FOR SLOW SPEED EXPOSURES

For all slow speed exposures (as 1 sec. 1/2, 1/5, 1/10th and Bulb), use the Locking Cable Release furnished with the Camera. This is a special cable release which has a Locking Device.

This Cable Release is required to avoid movement of the camera during picture taking, also, to keep the diaphragm setting constant during slow speed exposures.

By examining this Cable Release, you will note it has a ring directly below the plunger (this is the part of the release which is pressed downward with the thumb when taking pictures). When you turn the ring to the left, it sets the Cable Release for Locking Position. When you turn the ring to the right, it works as an ordinary cable release.

For Slow Speed exposures, you must use the "Locking Position" of the Cable Release. Turn the ring to the left. Please Note: When you press the plunger, the plunger stays down. After the picture has been taken, press down on the ring...you will note the plunger snaps back to its original position.

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EXAKTA PUBLICATIONS

35MM PHOTOGRAPHY WITH AN EXAKTA (second edition)

by Kenneth Allinson, A.R.P.S.

Author Kenneth Allinson works exclusively with an Exakta and knows its amazing versatility. He is confident that the Exakta is the "best camera for most purposes." The text covers the practical aspect of Exakta usages for landscapes, portraiture, architecture, action and the specialized fields of medical and scientific work. There is an excellent array of photographs taken with the Exakta, showing how it is adaptable to every task to which it may be put. The pictures include fine pictorial photographs by the author; beautiful ballet pictures by Frank Sharman, F.R.P.S.; and the outstandingly good series of medical and surgical prints.

10"x71/2", 126 pp., 66 photos

\$3.00

MY BELOVED EXAKTA

by Heinz Muller-Brunke

is the fascinating story of one of Europe's best-known Exakta photographers. He describes thrilling photographic experiences and illustrates the book with 128 of his beautiful pictures, eight in color. Technical information is included with each picture. Exakta owners can learn a great deal from this famous photographer's experiences and photos.

This invaluable book is printed in a limited edition, therefore, reserve your copy now to make certain you get it.

Album Size, 128 pictures (8 in color)

\$5.00

EXAKTA GUIDE

by W. D. EMANUEL

One in a long list of world famous camera guide books which has been responsible for starting off on the right foot, most of the best known photographers.

Contains the description of the basic facts of using Exakta cameras, plus several very useful charts.

61/2"x5", 114 pp.

\$1.75

INSECTS CLOSE UP

by EDWARD S. Ross

This stunning book is a pictorial guide for the photographer and collector, featuring 125 photographs and drawings of insects. The author, Curator of Entomology at the California Academy of Sciences, discusses various insects and includes photographs of each, eight in color. He describes how to find and catch insects, how to handle, mount preserve, label and photograph them; also his picture-taking technique with the Exakta.

9"x6½", 81 pp., 125 photographs and drawings (8 in color) \$1.50

STEPPING STONES ACROSS THE PACIFIC

by Alfred M. Bailey and Robert J. Niedrach Here are the Pacific Islands, alive with the dance of mating albatrosses somber in the visible memory of war-battered hulks and shell-pocked bunkers. Fabled in war and peace, these islands take on a new perspective in this incisive words-and-pictures story of the natural life that abounds there. The mid-Pacific expedition, concluded in the spring of 1949, was for the purpose of obtaining some of the many forms of sea birds that nest so commonly upon the islands, and to secure life history photographs of the various forms of animal life. The authors, Director and Curator of Dept. of Birds, Denver Museum of Natural History, carried 16-mm motion picture cameras and 35-mm. Exaktas. The majority of the 48 illustrations were made with the latter. 9"x6", 64 pp., 48 photos

NATURE PHOTOGRAPHY WITH MINIATURE CAMERAS

by Alfred M. Bailey

The experience of 40 years of field work in many lands are summarized in this entertaining booklet by an eminent explorer, scientist and Director of the Denver Museum of Natural History. He discusses photographic problems and cameras. The text is illustrated with 35 pictures, most of which were taken with the Exakta.

9"x6", 64 pp., 35 photos

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NATURE PHOTOGRAPHY WITH HIGH-SPEED FLASH

by Walter Van Riper, Robert J. Niedrach and Alfred M. Bailey

High-speed flash has opened a new field to the nature photographer. This information-packed booklet by the Curator of Dept. of Birds, Curator of Dept. of Insects and Spiders and Director of Denver Museum of Natural History tells how to use high-speed flash with the 35-mm. Exakta in photographing humming birds, spiders, fish, lizards, bats, pigeons, dogs, rattlesnakes, and many others. They also discuss photomicrography with high-speed flash, and nature photography with the Exakta operated by remote control.

9"x6", 64 pp., 57 photos

\$.50

LENS-TESTING CHARTS

by A. L. M. SOWERBY

No matter how good a lens is, there is an ultimate limit to the fineness of detail it will reproduce. The defining power of a lens can be measured by determining how close to one another the images of two separate lines can fall without merging. The best test of a lens is a series of lines printed in black on white paper, with the separation between the lines equal to the width of the lines themselves. These lens-testing charts are designed on this principle by the Editor of the famous British weekly magazine, Amateur Photographer. They are suitable for all lenses. Set includes 15 charts and 25 page instruction booklet.

The books are available from your dealer or write to: EXAKTA PUBLICATIONS

> Box 97 Bronxville, New York

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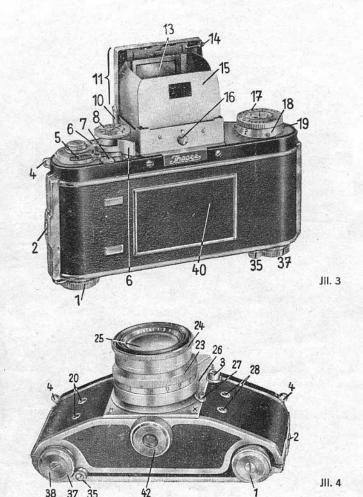
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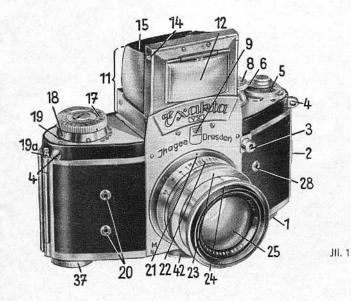
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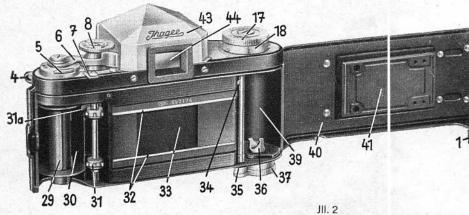


The Two-System Camera for Miniature Photographie $1\frac{1}{2}\times 1$ in. with two alternative focusing systems: reflex finder-hood and Special Penta Prism

Instruction Booklet







44 important camera parts

- 1 = button for opening camera-back (see also Jll. 4)
- 2 = camera-back lock (operated by button No. 1)
- 3 = shutter release knob
- 4 = neck-strap eyelets
- 5 = exposure counter
- 6 = film transport lever and shutter winder
- 7 = rewinding reverse lever
- 8 = fast speed knob for $^{1}/_{25}$ $^{1}/_{1000}$ sec., "T" and "B"
- 9 = finder-hood and Special Penta Prism release
- 10 = lever (locking shutter when finder-hood is closed)
- 11 = reflex finder-hood
- 12 = cover of hinged focusing magnifier
 - 13 = focusing magnifier (folded down)
 - 14 = release button for No. 13
 - 15 = back wall of finder-hood with frame-finder back sight
 - 16 = finder-hood catch
 - 17 = slow speed ($^{1}/_{5}$ 12 sec.) and delayed-action ($^{1}/_{5}$ 6 sec. with delaying time) knob
 - 18 = film-speed indicator
 - 19 = control disc for film transport
 - 19 a pin of camera-back hinge

- 20 = "M" flashbulb contact sockets
- 21 = red mark on camera body (important when changing lenses)
- 22 = depth of field scale
- 23 = distance ring
- 24 = stop ring
- 25 = lens
- 26 = red mark on lens
- 27 = lens bayonet catch
- 28 = "X" electronic flash contact sockets
- 29 = take-up spool for exposed film
- 30 = film chamber for take-up spool or cassette
- 31 = film transport sprockets
- 31 a cassette holder
- 32 = film guides
- 33 = film gate
- 34 = knife for cutting exposed film
- 35 = knife release
- 36 = split shaft of film rewinding knob
- 37 = film rewinding knob
- 38 = central part of film rewinding knob (Press before rewinding!)
- 39 = film chamber for feeder cartridge (unexposed film)
- 40 = hinged camera-back (interchangeable)
- 41 = film pressure plate
- 42 = camera retaining screw
- 43 = Spezial Penta Prism
- 44 = ocular of Spezial Penta Prism

How to open and shut the camera-back

Pull out button (1) and turn it either to the left or the right until it snaps into position. Open camera-back (40). When closing the camera, press back (40) lightly towards camera body. Turn button (1) clockwise or anticlockwise until it becomes locked in its neutral position. — If a special camera-back is to be used, extract the pin (19a) and the back (40) will become disengaged.

How to open and shut the finder-hood

Press catch (16) and the finder-hood opens automatically into working position. — In order to shut the finder-hood (11), fold down the side-walls, the back-wall (15), and finally the front part until it is heard to slip into the catch. — As long as the finder-hood is closed, the shutter cannot be released!

Shutter and film transport

are coupled so that there is no danger of double exposures. The shutter is released by pressing the release knob (3); winding the lever(6) winds up shutter and transports film. Always wind lever(6) as far as it will possibly go and let it spring back and stop it with thumb. If lever(6) does not return to its neutral position, it is impossible to release! Reflex ground-glass image will be visible only after shutter has been wound up.

Setting shutter speeds

Fast speeds from $^{1}/_{25}$ to $^{1}/_{1000}$ sec: Lift knob (8) up either before or after winding the shutter, turn it in the direction of the arrow so that the exposure time required comes to lie opposite the index mark on the knob centre, and let knob (8) drop back. The engraved figures indicate fractions of seconds, so e. g. 25 means $^{1}/_{25}$ sec. etc.

Long-time exposures: Set button (8) to "T" or "B". — "T" = Shutter will open upon pressure of release knob (3) and a

second pressure will close it again. - "B" = Shutter will remain open as long as relase knob (3) is pressed.

Automatic speeds from ¹/₅ to 12 sec.: Wind shutter and set fast speed knob (8) to "T" or "B". Now wind slow speed knob (17) clockwise as far as it will go (winding up slow speed mechanism). Lift slow speed knob (17) up and turn it until the required **speed in black** is opposite the index mark on the knob centre, and let knob (17) drop back.

Delayed-action release (self-timer):

- a) Shutter speeds from 1/5 to 6 sec.: Proceed as described above, but bring required speed in red against index mark.
- b) Shutter speeds from $^{1}/_{25}$ to $^{1}/_{1000}$ sec.: Do not set fast speed knob (8) to "T" or "B", but to the speed required (e. g. $^{1}/_{100}$ sec.). Then wind slow speed knob (17) as described above, and, lifting it up, bring **any speed in red** against index mark.

Note: Black figures of the slow speed knob (17) will give immediate exposure, red ones exposure after a "delayed-action time" of about 12 sec. (self-timer).

A cable release can be screwed into the shutter release knob (3).

Lenses and focusing

The lenses (25) are interchangeable: Press lens catch (27) (JII.4) towards lens, turn lens to the left until the red marks on camera and lens (21 and 26) come to lie opposite each other, and the lens can be lifted from the camera body. — To insert a lens, the procedure is reversed.

Focusing is effected by turning the distance ring (23). The diaphragm is adjusted by turning the stop ring (24). Low figures (2/2.8/3.5) = large aperture = short exposure time, but little depth of field – high figures (22/16) = smal aper-

ture = longer exposure time, but great depth of field. The depth of field scale engraved on the lens mount has the aperture values on either side of the distance indicator. The distance figures lying against the aperture required indicate the extent of sharpness to the foreground and to the background.



The stop ring of pre-set diaphragm lenses possesses adjustable click stops. When using ZEISS lenses (f/3.5 50 mm. TESSAR, f/2.8 50 mm. TESSAR, f/2 58 mm. BIOTAR) draw the milled ring behind the diaphragm stop scale towards the camera and turn the stop ring until the aperture figure required for the exposure comes to lie opposite the red dot. Then let the milled ring spring back. Now it is possible to view and focus at full aperture. Immediately before releasing — and without changing the tacking position of the camera — turn the stop ring as far as it will go, i. e. up to the "pre-set diaphragm" stop.

The finder-hood

The reflex image is magnified by the ground-glass, a planoconvex lens. In order to use the built-in magnifier for critical focusing (13) (JII. 3), swing it up by pushing release button(14) up.To bring magnifier(13) back to its neutral (vertical)position. the procedure is reversed. When using the magnifier (13), hold the camera close to your eye. - Control of ground-glass image is also possible when turning camera up-side down and looking up into the finder-hood. Vertical pictures may be taken at right angles to the subject. - The finder-hood can be adjusted for open direct vision: bring magnifier (13) into working position, swing cower (12) forward, and look through the rectangular backsight In the finder-hood (15). - Before exchanging the finder-hood (11) make sure that it is closed. Then press down release (9) and lift the closed finder-hood (11) from the camera body. - When replacing the finder-hood care must be taken that the shutter locking lever (10) (JII. 3) is correctly inserted into the opening in the camera top plate. Press finder-hood gently towards camera base until it is heard to slip into the catch, but do not use force.

Special Penta Prism

The Special Prism allows of always holding the camera at eye-level and provides a laterally correct, upright image for both vertical and horizontal shots, and so it is ideal for sports and speeds shots. As the direction of movement in the finder is the same as that of the subject, it is an easy matter to follow the subject by moving the camera in the same direction in the case of extreme speeds (motor-car races). The Special Prism is inserted into and removed from the camera in the same

way as the finder-hood, but it does not possess a shutterlocking lever (10). A Special Prism eyepiece is available as an accessory.

Loading the camera

The EXAKTA VX uses perforated miniature cine-film of 35 mm. width for 36 exposures $1^{1/2} \times 1$ in. (24 \times 36 mm.) on a strip of the usual length of 5 ft. $5^{1}/8$ in. (1.60 m.). — Open camera back and pull out rewinding knob (37.) Insert cassette or cartridge with unexposed film into film chamber (39). Push back rewinding knob (37) by pressing its rim towards camera while at the same time turning it. Care must be taken that not only the central part (38) (JII. 4) of rewinding knob is pushed back! Make sure that the film runs straight along the film guides(32) to the take-up spool (29) in the film chamber (30), emulsion side showing towards the lens, and push free end of film under the spring tongue of the take-up spool (29). It is also possible to remove the take-up spool (29) from the camera in order to fix the film. When replacing take-up spool (29) care must be taken that the split shaft (6) of the film transport lever (6) engages in the recessed end of the centre spool. The perforation of the film should engage correctly in the teeth of the film sprockets (31). Close camera back. Now two blind exposures must be made: If no ground-glass image is visible, wind film transport lever (6) as far as it will go and release (First blind shot). Wind lever (6) again and release again (Second blind shot). Wind lever (6) a third time up to the stop and the first unexposed piece of film is brought into position in the film gate (33). The exposure counter (5) is set by turning the exposure counter disc with the thumb in the direction of the arrow until the index line preceding "1" comes to lie position automatically, as soon as the film transport lever (6) is wound. — Should the film transport lever (6) stop midway and refuse to move up to the stop, as there is no film left in the cartridge, fold up reversing lever (7) and wind transport lever (6) up to the stop. Now fold reversing lever down again so that the lever (6) can return to its normal position.

When using a take-up cassette there is no need for rewinding. As soon as the film is used up, the film transport lever (6) will refuse to operate. Now cut off the film with the built-in film cutting knife (34): unscrew milled knob (35) and pull it towards the bottom of the camera (about $1\frac{1}{2}$ in.). Then push knob (35) back and screw it in again. Before opening the camera, make two blind exposures so that the free end of the film will disappear into the take-up cassette. — The procedure is the same when exposed film parts are to be removed from the camera in a take-up- cassette.

Flash contact sockets

The EXAKTA VX possesses synchronized contact sockets for flashbulbs and electronic flash units.

An EXAKTA Flashgun using flashbulbs (Vakublitz) is available complete with instruction booklet. When using typical synchro flashbulbs (OSRAM S 2, PHILIPS PF 45) the flashgun connecting cord is plugged into the "M" pair of contact sockets (20) on the left hand front wall of the camera (below slow speed knob 17). Details about instances, in which the "X" contact sockets (28) must be used, will be found in a special leaflet.— Electronic flash-tubes can be released with speeds of $^{1}/_{50}$ sec. or more. In this case the connecting cord must be plugged into the "X" pair of contact sockets (28) on the right hand side of the camera front wall, below fast speed knob (8).

opposite the indicator (The exposure counter disc advances after the exposure!).

Now the camera is ready for practical work. — Instead of the take-up spool (29)a take-up-cassette (an empty cartridge) may be inserted into the film chamber (30). Fix film end on centre spool and insert cassette so that the split shaft of the film transport lever (6) engages in the recessed end of the centre spool. The film must be wound up emulsion side inwards. The control disc (19) permits the film transport to be controlled. It will turn as long as the centre spool of the feeder cartridge rotates. — The film-speed indicator (18) shows the type of film the camera is loaded with: BW = black-and-white,

black C = colour, daylight, red C = colour, artificial light.

By turning the ring (18) the respective letter is brought against the film speed number engraved on camera to plate.

Unloading the camera

Even after the 36 th exposure one or two more exposures can be made, until the film transport lever (6) cannot be wound any more. When using the take-up spool (29), it is necessary to rewind the exposed film into the cartridge: fold up reversing lever(7), press inwards central part (38) of rewinding knob (37) and turn knob (37) clockwise. As long as the film is being rewound the control disc (19) and the slotted axle of the film transport lever (6) will rotate. Once the film is rewound into the cartridge the slotted axle (6) will stop turning. Now open camera, pull rewinding knob (37) outwards and take out the cartridge with the exposed film. Push back rewinding knob (37) by pressing its rim towards the camera. Fold down reversing lever (7), which will be pushed into the correct (folded down)

Useful EXAKTA Accessories

EXAKTA Everready Leather Case

EXAKTA Special Penta Prism

EXAKTA Special Lenses with focal lengths ranging from 40 mm. to 500 mm.

EXAKTA Flashgun

EXAKTA Extension Tubes and Adapter Rings

EXAKTA Microscope Attachments I & II

Focusing Glasses for photomicrographic work for Special Penta Prism and Finder-Hood with clear centre spot and hairline cross

EXAKTA Rangefinder Focusing Glass

EXAKTA Stereo Attachment und Stereo Finder

EXAKTA Multi Combination for slide-making, photomicrography, copy work, close-up work, stereo photography with adjustable base

EXAKTA Adapters for medical instruments (endoscopes, cystoscopes, &c.)

Wide range of smaller accessories:

filters, soft-focusing discs, lens hoods, eye-piece for Special Penta Prism, Giant Release Button

Literature: 1) EXAKTA VX

- 2) Macrophotography Photomicrography
- 3) Flash Technique
- 4) New Uses with EXAKTA

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