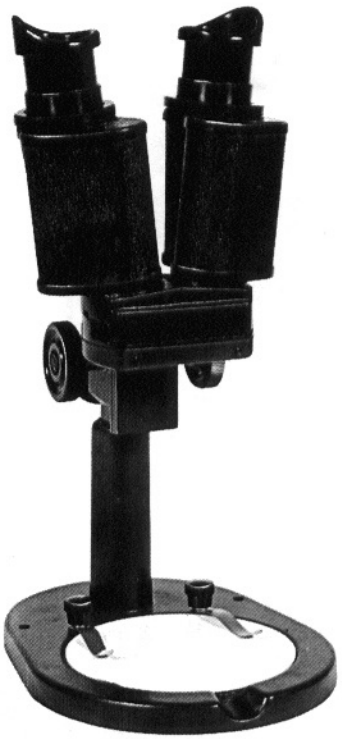
Zenith MICROSCOPES & ACCESSORIES

ZENITH BM-51-2 STEREOSCOPIC MICROSCOPE



Magnification x8.75.
Field of view 25mm.
Working Distance 140mm.
Sturdy Metal Construction.
High Quality Optics.
Black/White Reversible Stage Plate.
Wide range of applications in Industry and Education.

Especially suitable for Junior Science Education

ZENITH UNNAT-2 STUDENT ZOOM MICROSCOPE

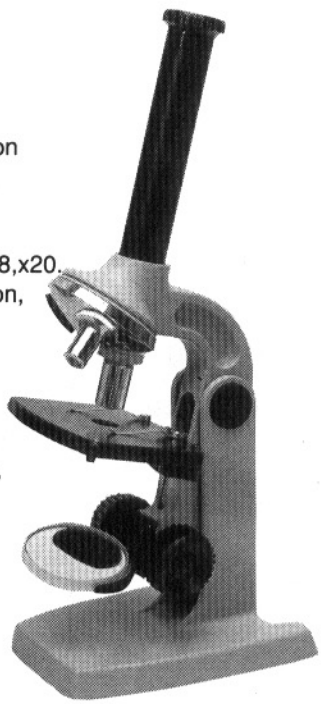
NEW ZOOM



Superbly constructed Student's microscope with excellent zoom facility.
Magnification range x80 -x400
Achromatic Objectives x8,x20
Single Zoom Eyepiece x10-x20
Continuous Zoom from x80-x160 and x200-x400.
Very reliable and simple to use, Strong Metal Construction, High Quality Optics, Locked on Stage Clips, Rotating Four Hole Disc Diaphragm, Safety Stop fitted to prevent slide damage, Large Concave Mirror.

Highly recommended for GCSE use

ZENITH YM-301 EDUCATIONAL MICROSCOPE

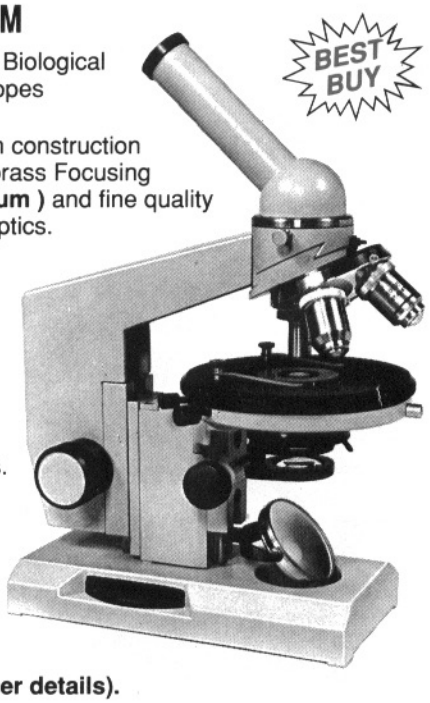


Very popular School Microscope. Magnification Range x56 - x400.
Huyghenian Eyepieces x7, x10, x20.
Achromatic Objectives x8,x20.
Strong Metal Construction, High Quality Optics, Triple Nosepiece, Rack & Pinion Stage Focusing, Safety Stop fitted to prevent damage to slide, Locked on Stage Clips, 4 Hole Disc Diaphragm, Large Concave Mirror.

Highly recommended for GCSE use

ZENITH BIOLAM

BEST BUY

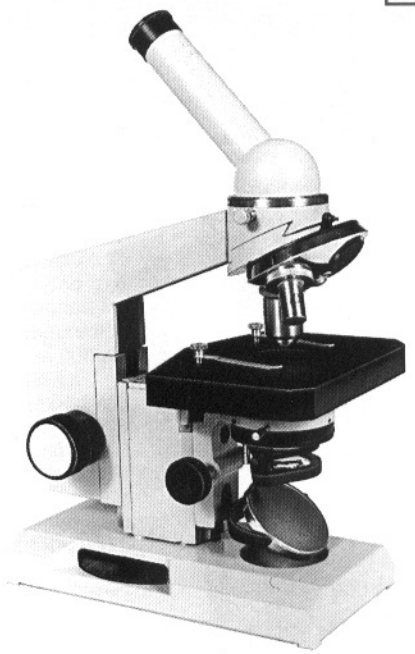


A **superb range** of Biological Compound Microscopes from Russia.
Extremely durable in construction incorporating solid brass Focusing Slides **(not aluminium)** and fine quality Precision Ground Optics.
Renowned for their long life,high optical performance, reliability, and adaptability for use over a wide range of Educational, Industrial and Medical applications.
Especially popular with the amateur Microscopist, offering true unbeatable value for money.

(Please see inside Catalogue for further details).

Model illustrated: BIOLAM R-21

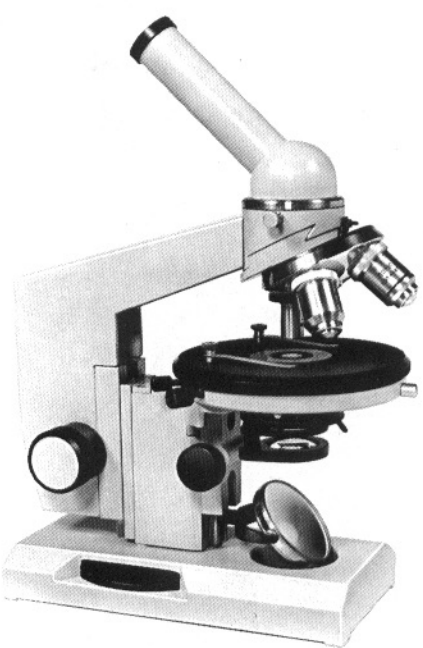
BIOLAM MICROSCOPES



ZENITH BIOLAM S-20, S-21, BIOLOGICAL MICROSCOPES

BIOLAM S-20: Magnification range x56-x600.
Compensating Eyepieces x7, x15.
Parfocal Achromatic Objectives x8, x40R.
BIOLAM S-21: Magnification range x56-x600.
Compensating Eyepieces x7, x10, x15.
Parfocal Achromatic Objectives x8, x20, x40R.
(R = retractable)

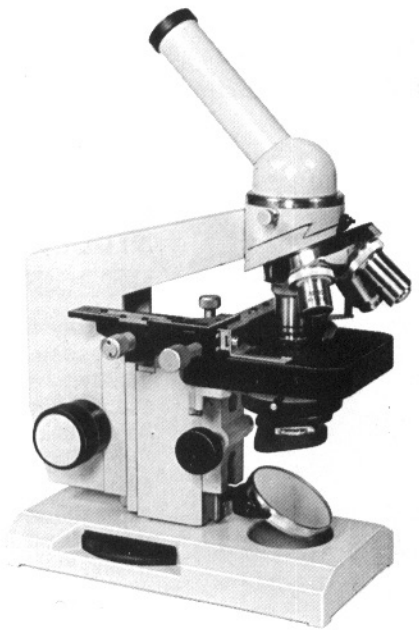
Coarse & Fine focusing, Focusing Abbe Condenser (N.A.1-20) with Iris Diaphragm & Filter Carrier (2 filters supplied), Mono Head rotatable 360˚, Quadruple Turret, Plano-concave Mirror (illuminator optional). Fitted with large non-corrosive square stage. Can be fitted with CT-12 mechanical stage. Supplied in high quality polished wooden carrying case.



ZENITH BIOLAM R-21 BIOLOGICAL MICROSCOPE

Magnification Range x56-x1350.
Compensating Eyepieces x7, x15.
Parfocal Achromatic Objectives x8, x40R, x90R (oil). (R= retractable)

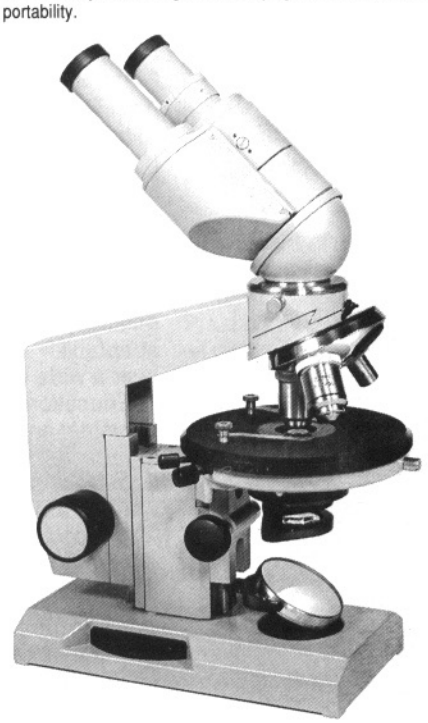
Coarse & Fine focusing, Focusing Abbe Condenser (N.A 1-20) with Iris Diaphragm & Filter Carrier (2 filters supplied), Mono Head rotatable 360˚, Quadruple Turret, Plano-concave Mirror (illuminator optional). Fitted with circular rotating stage with centring screws. Supplied in high quality polished wooden carrying case.



ZENITH BIOLAM D-11 BIOLOGICAL FIELD MICROSCOPE

Magnification Range x63-x1350.
Compensating Eyepieces x7, x10, x15.
Parfocal Achromatic Objectives x9,x40 (water), x40R (dry), x90R (oil). (R= retractable)

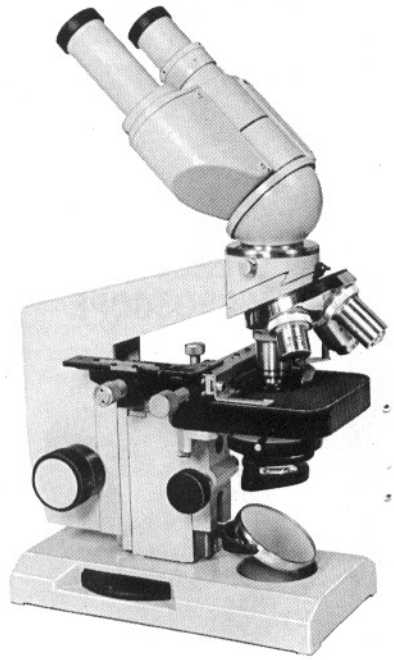
Coarse & Fine focusing, Focusing Abbe Condenser (N.A 1-20) with Iris Diaphragm & Filter Carrier (2 filters supplied), Mono Head rotatable 360˚, Quadruple Turret, Plano-concave Mirror (illuminator optional). Supplied with CT-12 mechanical stage. Packs neatly into strong metal carrying case for maximum portability.



ZENITH BIOLAM R-23 BINOCULAR BIOLOGICAL MICROSCOPE

Magnification Range x84-x1350.
Compensating Eyepieces (paired) x7, x10.
Parfocal Achromatic Objectives x8, x40R, x90R (oil). (R= retractable)

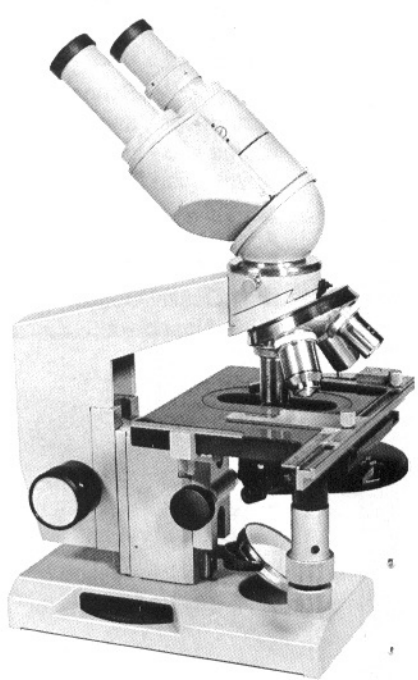
Coarse & Fine focusing, Focusing Abbe Condenser (N.A.1-20) with Iris Diaphragm & Filter Carrier (2 filters supplied), Bino Head rotatable 360˚,Quadruple Turret, Plano-concave Mirror (illuminator optional). Fitted with circular rotating stage with centring screws. Supplied in high quality polished wooden carrying case.



ZENITH BIOLAM D-13 BIOLOGICAL FIELD MICROSCOPE

Magnification Range x84-x1350.
Compensating Eyepieces (paired) x7, x10.
Parfocal Achromatic Objectives x8, x20, x40R, x90R(oil). (R= retractable)

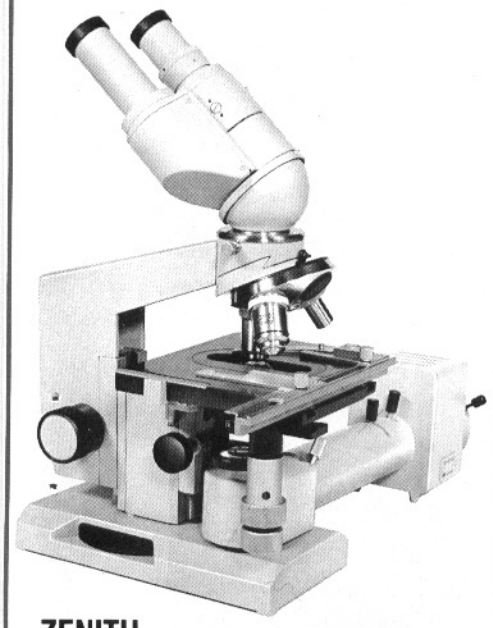
Coarse & Fine focusing, Focusing Abbe Condenser (N.A 1-20) with Iris Diaphragm & Filter Carrier (2 filters supplied), Bino Head rotatable 360˚, Quadruple Turret, Plano-concave Mirror (illuminator optional). Fitted with large non-corrosive square stage. Supplied with CT-12 mechanical stage. Packs neatly into a strong metal carrying case for maximum portability.



ZENITH BIOLAM R-25 BINOCULAR BIOLOGICAL MICROSCOPE

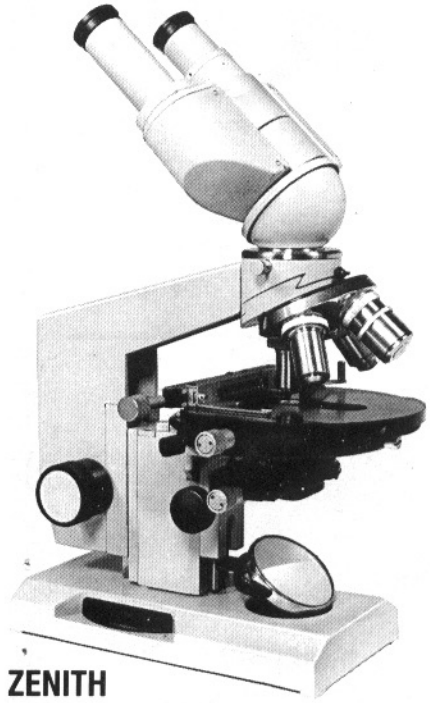
Magnification Range x84-x1350.
Compensating Eyepieces (paired) x7, x10.
Parfocal Achromatic Objectives x8, x40R, x90R (oil). (R= retractable)

Coarse & Fine focusing, Focusing Abbe Condenser (N.A 1-20) with Iris Diaphragm & Filter Carrier (2 filters supplied), Bino Head rotatable 360˚, Quadruple Turret, Plano-concave Mirror (illuminator optional). Features built-in mechanical stage with scales and verniers. Supplied in high quality polished wooden carrying case.



ZENITH BIOLAM R26 BINOCULAR BIOLOGICAL MICROSCOPE

Of identical design and specification to the Biolam R25, but with the addition of a High-Intensity Lamp Unit, producing Kohler illumination.
Supplied with additional x7 Focusing Micrometer eyepiece with graticule.
Complete with 8volt 20watt transformer and rheostat.
Supplied in high-quality polished wooden case.



ZENITH BIOLAM R27 RESEARCH BIOLOGICAL MICROSCOPE

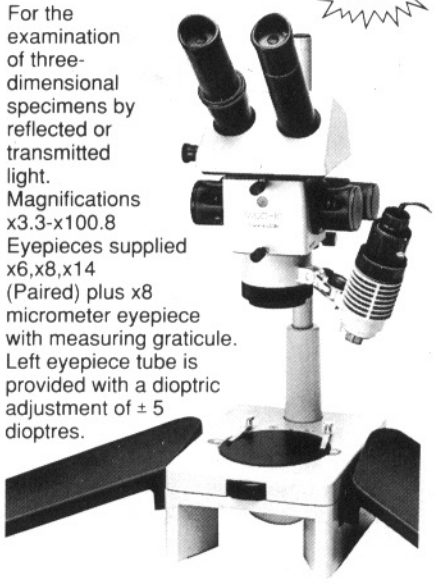
Magnification Range x75 - x1350, Compensating Eyepieces x5, x7, x10 (paired) plus single eyepieces x7 (measuring), x15, x20 (photographic).
Apochromatic objectives x10,x20,x60 O.I.,x90 O.I.
Aplanatic Condenser 01-14. Circular, centring and rotating Mechanical Stage. Supplied in high quality polished wooden case.

Full details of this model available on request.

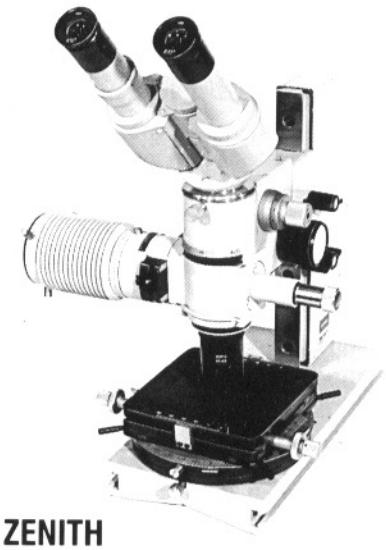
ZENITH MBS-10 STEREOSCOPIC MICROSCOPE

NEW

For the examination of three-dimensional specimens by reflected or transmitted light.
Magnifications x3.3-x100.8
Eyepieces supplied x6,x8,x14 (Paired) plus x8 micrometer eyepiece with measuring graticule.
Left eyepiece tube is provided with a dioptric adjustment of ± 5 dioptres.



Constant working distance of 95mm. Field of view 2.4mm - 39mm.
Supplied with 8volt 20watt transformer and rheostat. Polished wooden case.



ZENITH METAM P-1 METALLURGICAL MICROSCOPE

Rotating Mechanical Stage (detachable).
Polarizer/Analyser attachments.
8volt 20watt built-in illumination.
Magnification range x50-x507. Eyepieces supplied x6.3,x10,x12.5,x16 (Paired).
Plus x10 Micrometer eyepiece with scale
Planachromatic objectives supplied x8,x12.5,x31.7. Epi-objective x31.7 (for Bright and Dark Field work).
Supplied with specimen mounting press
Transformer and rheostat.

Full details of this model available on request.

MICROSCOPE OPTICS

EYEPIECES	Product Code
x5 Compensating	AM-12
x7 Compensating	AM-13
x10 Compensating	AM-14
x15 Compensating	AM-27
x7 Compensating with moveable pointer	PAM-13
x7 Focusing Micrometer with scale & crossline	ME-7

OBJECTIVES (Standard RMS)

x3.5 Planachromatic (N.A.O.10)	OM-3
x3.7 Achromatic (N.A.O.11)	OM-12
x8 Achromatic (N.A.O.20)	M-42
x9 Planachromatic (N.A.O.20)	OM-2
x20 Achromatic (N.A.O.40)	OM-27
x10 Phase Achromatic (N.A.O.30)	PH-10
x40 Achromatic (N.A.O.65)	OX-1
x40 W.I. Achromatic (N.A.O.75)	OM-23
X85 W.I. Achromatic (N.A.1.0)	OM-43
x90 O.I. Achromatic (N.A.1.25)	OM-41
x10 Apochromatic (N.A.O.30)	OM-18
x20 Apochromatic (N.A.0.65)	OM-21
x40 Apochromatic (N.A.O.95)	OM-16
x60 O.I. Apochromatic (N.A.O.8-1.0)	OM-15
x70 W.I. Apochromatic (N.A.1.23)	OM-25
x90 O.I. Apochromatic (N.A.1.30)	OM-20

BIOLAM ACCESSORIES

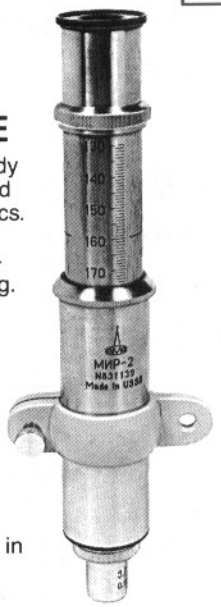
PHASE-CONTRAST APPARATUS KF-4 AND KF-4S

For the examination of low contrast objects invisible through a microscope under normal conditions. Can be used with all Biolam Microscopes.
KF-4 objectives - x10, x20, x40, x90 O.I. Phase-Achromatic.
KF-4S objectives - x10, x40 Phase-Achromatic.
Both outfits are supplied with Phase Condenser, Centring Telescope and Green filter.



BIOLAM ACCESSORIES

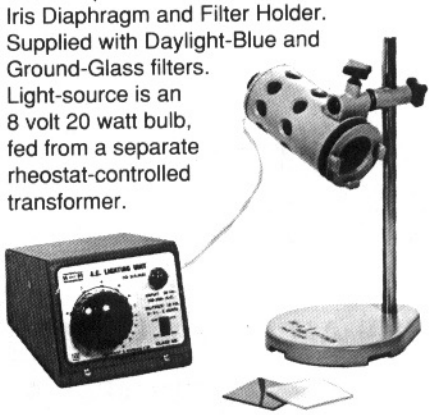
MIR-3 MEASURING MICROSCOPE

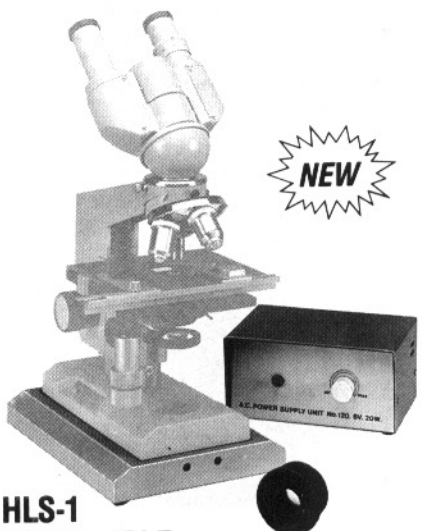


A microscope body tube with standard R.M.S. fitting optics. Fitted with adjustable clamp-ring and mounting. Designed for the measurement of small component parts etc. Supplied with Achromatic x3.7 objective. x7 Micrometer eyepiece. Measuring range 0.015mm to 6mm in length or separation.

OI-19 HIGH INTENSITY LAMP

Suitable for all microscopes, giving a high level of illumination suitable for Phase-Contrast and Dark-Field techniques. The Lamp-House has a two-element lens, Iris Diaphragm and Filter Holder. Supplied with Daylight-Blue and Ground-Glass filters. Light-source is an 8 volt 20 watt bulb, fed from a separate rheostat-controlled transformer.





HLS-1 ATTACHABLE HALOGEN ILLUMINATED BASE

Designed to be easily fitted to the exisiting base-plate of all Biolam microscopes. It provides a high level of illumination, suitable for phase-contrast etc., by means of a 6volt, 20watt halogen bulb. Evenness of illumination is assured by a semi-ground condenser lens, and the level of illumination is controlled by a separate transformer/rheostat.

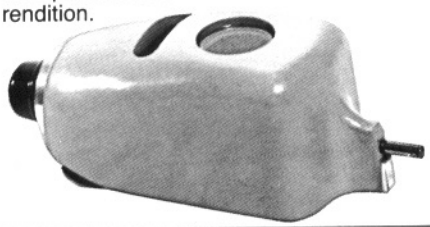


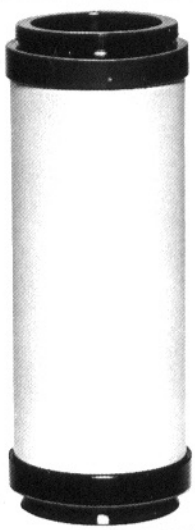
AY-12 BINOCULAR HEAD

Allows the observer to work under more natural conditions by using both eyes, thus reducing eye-fatigue. Supplied with matched pairs of Huyghenian eyepieces x7 and x10. Initial magnification of attachment is x1.5.

SL-5 SUBSTAGE LAMP

May be fitted to all Biolam Biological microscopes in place of mirror. Uses 240volt 15watt bulb. Incorporates blue filter for accurate colour rendition.



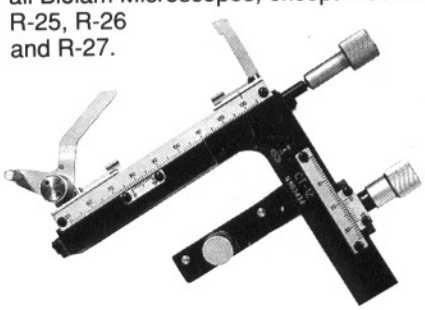


CA-3 MICRO-CAMERA ADAPTOR

Enables the easy attachment of any camera having a 42mm Zenith or Praktica thread to all of the Biolam microscopes.

CT-12 MECHANICAL STAGE

An attachment to effect the precise movement of a specimen on the microscope stage, both vertically and horizontally, and to measure the co-ordinates of objects being investigated.. Can be easily fitted to all Biolam Microscopes, except models R-25, R-26 and R-27.



OI-10 AND OI-13 DARK FIELD CONDENSERS



OI-10 is suitable only for Biolam R21 and R23, providing Bright and Dark Field illumination with low-power objectives. Fitted with filter-holder.



OI-13 may be used at all magnifications with the Biolam range of microscopes. Fitted with centring sub-stage mount and filter-holder.



OI-14 APLANATIC CONDENSER

N.A. 1.4
Iris Diaphragm.
Interchangeable Low-power condenser (N.A. 0.3).
Rack-and-pinion displacement and rotating mount for oblique illumination
Filter holder.



MOB-1 x 16 SCREW MICROMETER EYEPIECE

Provided with diagonal cross-lines made to traverse the field-of-view by means of a rotating drum, divided into a 100 parts. Each division represents 0.01mm displacement of lines. Index lines move across a scale of eight numbered divisions. Each represents a complete revolution of the drum. These are not intended for the purpose of direct measurement. Evaluation is made by comparison with a Stage-micrometer. (Product code SM-1 and SM-10)