

YASHIMA

TYL

MICROSCOPE

STEREO MICROSCOPE, YSE-DJ

Stereo Microscope with dual illumination device for bright and dark field which is very effective to close-up any micro scratch's or concaves on the sample surface.

Importance of illumination

Objectives and eyepieces are most important basic features for microscope's quality wise, but illumination is also very important to get better an image clearness and excellent.

For Metal

Metal work
Electronics

This model is well suited for many industrial applications. (Metal, chemical, Electronic & Mineral Industries, Technology work and Jewel).

VAOR right illuminator gets you true stereo viewing

You see your specimens more clearly, sharper than ever before, throughout each sample.

Vaor-illuminator can be changed from bright field to dark field while observing.

Any micro lines and spols can be observed clearly without reflection.

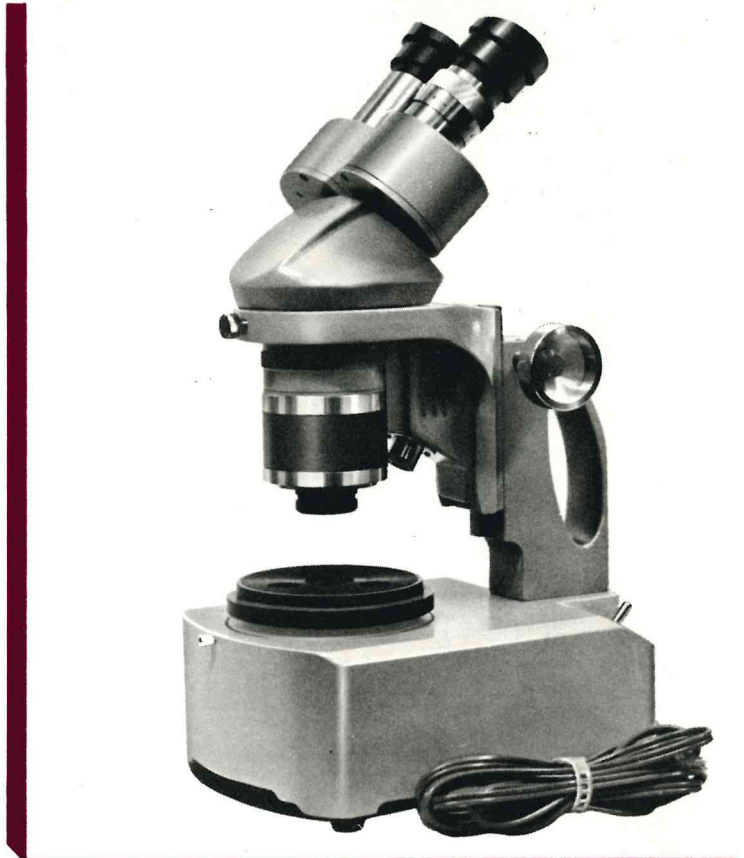
Can observe the cutting, scratches, finish of any shapeiwels.

Specifications

Magnification	With 10 Eyepieces			
	10x	20x	20x	40x
Objectives	1x	2x	2x	4x
Working distance	50mm	50mm	50mm	50mm
Field of view	18mm	9mm	9mm	4.5mm

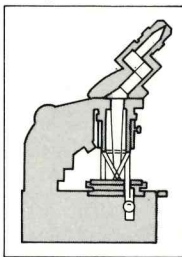
Optional accessory: Polarizing Stereo Structure

EYEPICE 5x15x20x OBJECTIVE 3x4x6x



Variable Angle Of Reflection Light Source

Bright field work



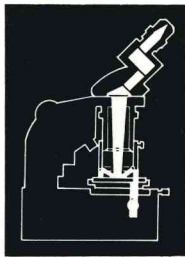
1. High angle beam reflect mirror structure



Visible field of change-over beam
High angle beam



Dark field work



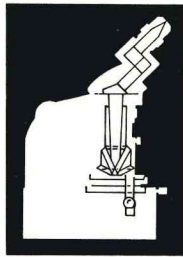
2. Low angle beam reflect mirror structure



Low angle beam



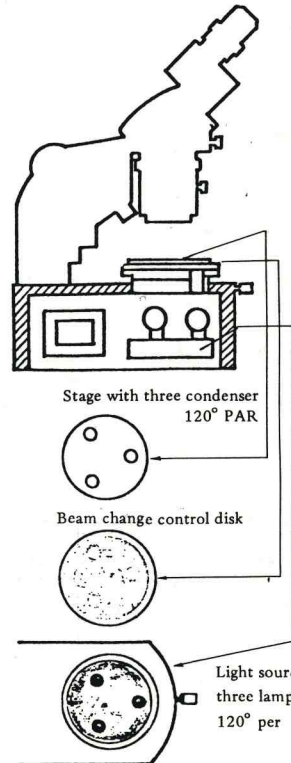
Dark field bright field mixture



3. Low and high angle beam reflect mirror structure



Low and high angle beam



YASHIMA
TOKYO

YASHIMA OPTICAL CO., TOKYO JAPAN.

STEREO MICROSCOPE, **YSE**

Specifications

- Tube** : Binocular tube rotatable through 360°, inclined 45° and can be locked in any position with a thumbscrew, Interpupillary distance adjustable 55mm to 75mm. Long working distance 55-120mm.
- Stage** : Plain frosted glass stage with clips, reversible with white and black glass plate, and base with built-in transmitted lamp and transformer.
- Focusing** : Adjustment by rack and pinion motion.
- Illuminator** : Incident light source with a 110/220V, 25W (high voltage) and 6V, 3.2A (low voltage). Transmitted light source is built into the base together with a transformer, 110/220V, 25W.
- Accessories** : A vinyl dust cover, a spare bulb for illuminator and wooden cabinet with lock and key.
Optional Jew el, Scissors.



Model	Objectives 2 pairs Rotatable	Standard Eyepieces		Optional Eyepieces					
		WF	10X	WF	5 X	WF	15 X	WF	20 X
		Total Mag.	Field of View	Total Mag.	Field of View	Total Mag.	Field of View	Total Mag.	Field of View
YSE K-410	1x	10x	22 mm	5x	22 mm	15x	16.5mm	20x	11 mm
	2x	20x	11 mm	10x	11 mm	30x	8.3mm	40x	5.5mm
YSE K-411	1x	10x	22 mm	5x	22 mm	15x	16.5mm	20x	11 mm
	3x	30x	7.5mm	15x	7.5mm	45x	5.5mm	60x	3.6mm
YSE K-412	2x	20x	11 mm	10x	11 mm	30x	8.3mm	40x	3.5mm
	4x	40x	5.5mm	20x	6.5mm	60x	4.1mm	80x	2.7mm
YSE K-413	4x	40x	5.5mm	20x	5.5mm	60x	4.1mm	80x	2.7mm
	6x	60x	3.8mm	30x	3.8mm	90x	2.8mm	120x	1.8mm

OTHER MODELS YSD NO. K-510

SPECIFICATIONS

Same as YSE No. K-410 but without electric illumination system.

DOUBLE DEMONSTRATION MICROSCOPE, **YDL-DD**

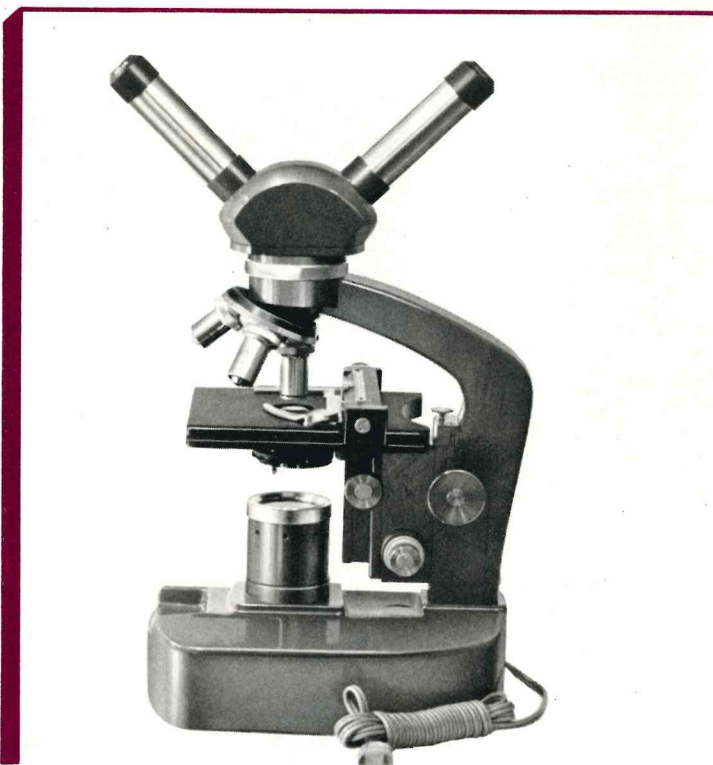
Specifications

- Tube** : 170mm long, 45° inclined binocular tube 360° rotatable.
- Stage** : Model YDL-DD-1 & 2
Fixed large rectangular stage 125x 120mm
Model YDL-DD-3
Fixed large rectangular stage 120x 140mm
- Focusing** : Coarse and fine adjust by rack and pinion system.
- Condenser** : Model YKL-DD-1 N.A. 0.65
Model YKL-DD-2 N.A. 0.95 with iris diaphragm
Model YKL-DD-3 N.A. 1.25 Abbe type with iris diaphragm and filter holder.

Optical Combination

Model	Eyepieces	Objectives	Magnifications	Nosepieces
YDL-DD-1	10x, 15x	4x, 10x, 40x	40x-600x	Triple
YDL-DD-2	5x, 10x, 15x	4x, 10x, 60x	20x-900x	Triple
YDL-DD-3	5x, 10x, 15x	4x, 10x, 40x, 100x(oil)	20x-1500x	Quadruple

ILLUMINATOR-BUILT IN THE BASE
Or Plain Base



POLARIZING MICROSCOPE, YPD

- Tube : Mechanical tube length 170mm.
 Monocular body, inclinable through 90°
- Stage : 360° rotatable, diameter 110mm, circular graduated in 0.1mm with vernier.
- Focusing : Coarse and fine adjustment, double lever type graduated in 0.005mm.
- Condenser : Double condenser N.A. 0.8 top lens N.A. 0.6 can be swing out with iris diaphragm focused by rack and pinion motion.
- Illuminator : Mirror (50mm)
- Other features: Compensator GYPS 1st order red.
 Glimmer 1/4
 Polaroid is used for polarizing plate.
 Polarizer is rotatable 360° graduated in each 15°
 Analyser is rotatable 90°.

Optical Combination

Model	Eyepieces	Objectives	Magnifications	Nosepieces
YPD-1	5x, 8x(with micrometer) 10x(with cross)	4x, 10x, 40x,	20x-600x	Triple
YPD-2	5x, 8x(with micrometer) 10x(with cross), 15x	4x, 10x, 40x, 100x (oil)	20x-1500x	Quadruple

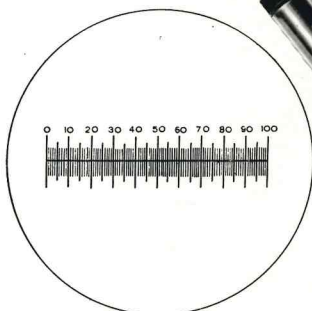
Net weight : approx. 4.6kg Gross weight : approx. 7.8kg



BRINNEL TYPE MEASURING MICROSCOPE YMM

A simple highly accurate instrument to permit exact measurements. Supplied with adjustable penlight using standard batteries, for testing surface of metal fiber Precisely Worked Parts and so on. This Microscope is well built to perform under any condition.

Magnifications	Scale mm	Magnifications	Scale mm
10x	0.01	60x	0.02
20x	0.05	80x	0.01
30x	0.05	90x	0.01
40x	0.025	100x	0.01
50x	0.02	100x	0.005



DISSECTING MICROSCOPE YDM

Square Stage 65mm×75mm. Clear Stage Glass(attachable). Focusing by Rack and Pinion motion. Plane and Concave Mirror. Two hinged Joint Arm for Magnifier (10x, 20x). Each equipment is of fine quality, and its operation is simple. With its low price, it is designed so as to be most suitable for college students and school boys to handle.

Net weight : approx. 1.3kg.
 Gross weight : approx. 2.4kg(with case)



NEW OPAQUE AND SLIDE PROJECTOR WITH MICRO-PROJECTION ATTACHMENT **YEP**



PURPOSES 22

Illustration, Diagrams, Graphs, Tabulation, Photographs, Maps, Magazines or Specimens (Such as Insect, Botany, Minerals) etc., can be so brilliantly projected on a screen, it is most handy for School education, Seminars, Meetings, Research of offices and laboratories, etc.

FEATURES

The objective aperture of 17cm×17cm with simplest and most sturdy construction, and high magnification is reflected brightly at a short distance between screen and projector. Slide projection and Micro-projection are clearly reflected and very durable for many hours operation. The almighty power of this projector-ability will give anybody a full satisfaction.

Light source

For opaque projection 750W (projection lamp) one lamp.
 For slide projection 300W (projection lamp) one lamp.
 For Micro-projection 300W (projection lamp) one lamp.

SPECIFICATION

Lenze

Opaque projection f=300mm, F 3.3
 Slide projection f=100mm, F 3
 Micro-projection X9 objective lenze

Cooling system

Small motor fan (four-wigged type) one pc.
 Small motor fan (blower type) one pc.
 Size: 37cm(W)×35.35cm(L)×45cm(H) ×
 Weight: 15kg.

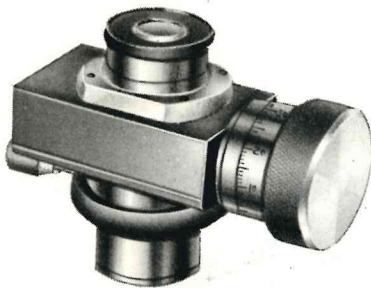


MODEL-DD.



SUBSTAGE LAMP MODEL R-1

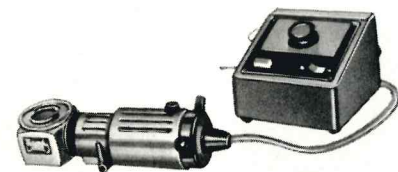
25 watt specially designed for L type microscopes.
 BYL-YDL-TYL-



DV-YES.



YCL.



SUBSTAGE LAMP MODEL LS-P1

30 watt (6V) substage illuminator with transformer, Koehler illuminator system. Specially designed for TYL, BYL & YDL.

ACCESSORIES FOR MICROSCOPE

DOUBLE DEMONSTRATION EYEPIECE MODEL DD.

Permits two persons to observe a specimen at the same time. A vertical eyepiece allows one viewer to indicate to the other viewer interesting parts in the field. Your present microscope eyepiece can be easily interchanged with this.

EYEPIECE SCREW MICROMETER -YES SCREW MICROMETER EYEPIECE

Screw Micrometer Eyepiece consists of the 10x magnification. Eyepiece and the Screw Micrometer can measure precisely a scale of microscope specimen (1/100mm)

SUBSTAGE LAMP S-3

Attached to the fork instead of the reflective mirror.
 Type 1) is for the microscopes which has a mirror of 50mm in diameter, 10W
 Type 2) is for 42mm mirror, 10W

SUBSTAGE LAMP WITH TRANSFORMER(T-1)

18 watt substage lamp with transformer and replaceable with large mirror. (48-50mm)

DARK FIELD CONDENSER

Abbe type condenser dark field equipment N.A. 1.40 or 1.25.

ABBE'S CAMERA LUCIDA, Mirror type -YCL

Consists of instruments, by means of which a prism of the Abbe type causes the image of the microscopic object to appear as if superimposed upon a plane surface so that drawings can be traced there-upon. The most precise instrument as the drawing apparatus. In wooden case.

CAMERA LUCIDA PRISM

Simplified type as the drawing apparatus of a microscopic image. You can observe the microscopic object and a paper for drawing at the same time. So, you can easily trace in image of microscopic object. In wooden case.

