

#### DESCRIPTION

**S**tereomicroscopes are optical microscopes that give a three-dimensional (3-D) view of a sample and generally operate at low magnification. The 3-D image allows solid surfaces to be examined with greater clarity and permits the precise manipulation of samples during magnification.



Vikas Sharma



Stereomicroscopes are used in food science, marine biology, embryology, environmental science, and forensic science. In pharmaceutical and biotechnology labs, stereomicroscopes are commonly used for magnifying biological samples such as plant tissues and organ samples.

Wider industry applications include microsurgery, geology, and microelectronics, including the examination of circuit boards and microchips. Zoological research work, Forensic research work, Forensic research work (Biological specimen examination) & Life Science (Fisheries).

#### TECHNICAL SPECIFICATION

##### Optical System :

- Greenough Stereoscopic with **Apochromatic** Parfocal Optics
- Bright field & Dark Field observation modes.
- Polarisation attachment (Optional)

##### Trinocular Observation Head

- Observation head inclined at 45° rotatable at 360°.
- 100:100 Vertical phototube for photography display through System, (System/Laptop) with inbuilt 2/3" C mount adapter 0.5x.
- Inter-pupillary distance from 52mm to 76mm.

##### Eyepiece

- Extra Wide field **10X (paired)** Field No 23 with pupil aberration control and lead free. Have smooth contoured finish with "Comfort View" eyepiece.
- Diopter adjustment facility on both eyepiece ( $\pm 5$ ).
- Eyepiece Mount 30mm
- Suitable to insert graticule.
- Additional Eyepiece (**paired**) 30X/8 .

##### Objective

- Inbuilt 1X apochromatic objective for sharp images.
- Additional 2X apochromatic objective.

##### Zooming Range & Ratio

- Parfocal Click stop Zoom 0.63 X to 5.0X with Magnification Zoom Ratio of 8:1

##### Magnification Range

- 6.3X to 50X without interchangeable optics
- Total Magnification 300X with interchangeable optics

##### Working Distance

- 110 mm

#### Mechanical Body

- Track stand with big base D310XW200XH35 mm. & Clip for holding specimen.
- Include glass plate of 125 mm diameter and black & white reversible stage plate.
- Column 250 mm with drive and handle, lifting range 145 mm
- Dust protection Glass M50 with M49x0.75
- Standard Stage with transmitted Light base & Incident Light

#### Illumination System

- Simultaneous Transmitted as well as reflected LED White Light
- Additional Reflected Illumination by Ring Light illuminator 04 LED segmentable (reflector)
- Regulated power supply for both lights with separate brightness controls.

#### Standard Accessories

- **Lenses, Cable, Adapters, Stage Plate** Operating Manual, Dust Cover, Guarantee Card and Styrofoam Molded pack.

### FEATURES

- High quality optical components, providing sharp and striking contrast image and ensure flat image at big depth of field.
- Ease the tiredness with ergonomic design.
- With LED light for both incident and transmitted illumination, Providing even illumination.
- With complete eyepieces, objectives and accessories it is an ideal instrument for industry assembling, inspection and teaching field.

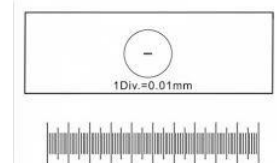
### OPTIONAL ACCESSORIES



Auxiliary Objectives  
0.3 X ,0.5X, 0.7X, 2X



Micrometer Eye Piece



Calibration Slide