

Metallurgical Microscope



7001

Inverted Metallurgical Microscope



7001 INV

FEATURES

- Incident light microscopy for metallography.
- Magnification range 25x to 2500x.
- Spring loaded objectives at higher magnification to avoid damage to optics or specimen.
- Coarse and fine focussing with 5 micron resolution.
- Perfect transmission system having localized illumination and flatness of field.
- Halogen light for microphotography.
- Add- on accessory CCTV camera for micro-photography.
- **CCTV Camera attachment optional.**

DESCRIPTION

VAISESHIKA introduces the sophisticated **Metallurgical Microscope 7001**. This microscope has been designed to conduct microstructure examination of metallographic specimen. Optical detection of surface irregularities/inclusions and faults in metals can also be observed with the Microscope. The instrument is having superb capability to reveal significant specimen details with outstanding relief in black and white or brilliant colours.

The metallurgical experts will find this microscope a versatile equipment for testing non-destructive materials, Ceramics, textiles, petrochemicals, avionics, defence, research and development establishments will find this Microscope excellent for optical observations of a wide range. Above all the additional camera attachment for microphotography makes Microscope an excellent quality control equipment for the engineering industry

TECHNICAL SPECIFICATION

Magnification	:	25x to 2500x (with optional Acc.)
Focussing	:	Coarse and fine.
Head	:	Monocular, Binocular/Trinocular (Optional)
Illumination	:	Halogen, incident light. Facility to control intensity of light and field aperture.
Eye-Pieces	:	5x, 10x, (15x, 25x : Optional)
Objectives	:	10x, 45x

FEATURES

- Special design for large size specimen
- Quartz halogen illumination system
- Co-axial coarse & fine motion
- Parafoveal high quality optics

INVERTED METALLURGICAL MICROSCOPE 7001 INV

"Vaiseshika" has designed metallurgical microscope with inverted design so often favoured by metallurgists, and industrial users. It saves time and is so convenient for large size metallographic specimen examinations. Prepared specimens and even large objects placed on the inverted stage are levelled automatically to the optical axis, ready to examine.

Inclined binocular body with paired SWF 10x wide field eye pieces. Main Stage with built in graduated mechanical stage having low positioned controls gives added advantage to user. Illumination system is Koehler type 20 w halogen illuminator with condenser system. System has built in base transformer and variable light intensity control. Microscope operates on 220V AC. Microscope is supplied complete with colour contrast filters and set of parafoveal achromatic objectives 5x, 10x, 20x, & 40x and 10x and 15x paired eye pieces.

INVERTED METALLOGRAPHY STATION 7001-IMS

It is a new Model having co-axial coarse and fine motion assembled on ball bearing guides, having compact design, clear glare free image, low drive stage, **camera port for photomicrography**. It is equipped with horizontal illuminator with centering provision, field and aperture diaphragms and slots for dropping filters. This model is mainly useful where inspection requires large pictures on TV/Computer Screen for group analysis & storing viewed images for future use.