

IM-5 Material Science (MET) Inverted Research Microscope For Metallography

IM-5MET is a new inverted research microscope for metallography providing a high-end solution in the field of material science. Brightfield, darkfield, polarized light and DIC - Nomarski technique all-in-one for an extremely valuable instrument able to provide ergonomic handy controls and significant unique features, such as the highest F.O.V. Available on an inverted microscope. Brightfield, darkfield, polarized light and DIC - Nomarski technique all-in-one for an extremely valuable instrument able to provide ergonomic handy controls and significant unique features, such as the highest F.O.V. available on an inverted microscope (F.N. 24 mm).



Specifications:

- Observation Methods: Brightfield, darkfield, polarized light (DIC - Nomarski as optional)
- Head: Trinocular, 45° inclined, splitting ratios eyepieces/photo tube: 100% - 0% / 0% - 100%.
- Eyepieces: Plan Extra Wide Field, PL 10x/24 (Ø 30 mm), high eyepoint, with dioptic adjustment
- Nosepiece: Quintuple, reversed with M25 thread holes and adapter rings (for RMS objectives) slot for DIC
- Objectives: M-880, Plan Extra Wide Field, PL 10x/24 (Ø 30 mm), high eyepoint, with dioptic adjustment
- Stage: Rackless, mechanical, 240x250 mm, 50x50 mm movement range
- Focusing: Coaxial coarse & fine (200µm/turn), upper stop, adjustable tension
- Incident Illumination: 100W halogen, manual brightness control
- Incident Light Diaphragms: Aperture and field diaphragm, both centrabale
- Accessories Included: Polarizer and rotating analyzer filters, slider with blue LBD filter

B-290TB Digital Microscope With Camera & Tablet



3MP Built-in camera and 10.1" Windows tablet PC with N-PLAN objectives, rackless stage and exclusive X-LED3 for unmatched performance in illumination. Ideal for discussion group with 360° rotating tablet.



Specifications:

- Microscope Head: Binocular, 30° inclined, 360° rotating, with tablet.
- Microscope Eyepieces: WF 10x/20
- Microscope Nosepiece: Quadruple, reversed
- Microscope Objectives: N-PLAN 4x, 10x, 40x, 100x (oil)
- Microscope Stage: Double layer, 150x139 mm, moving range 75x33 mm
- Digital Camera Resolution: 3 MP
- Operating System: Windows 10 64-bit
- Image Capturing Software: OPTIKA Vision lite
- CPU: Intel® Atom™ Z830, Quad core
- LCD Display: LED 10.1" IPS Multi Touch Screen
- LCD Resolution: 1920x1080, 16/9 Full HD
- Storage: Hdd 64 GB
- Network: Wireless, Bluetooth 4.0
- Control Buttons: Auto rotate off, volume control
- Battery Technology: Lithium-ion battery
- Also Included: Instruction manual, Keyboard with touchpad, touch pen



B-192 Advanced Biological Microscopes For Students & Teachers

The original design of B-190 series is based on robustness, yet keeping the extreme portability of the instrument, with a dedicated handle on the back. The built-in LED illuminator and the patented version with Windows tablet improve the reliability of one of the best-sellers of OPTIKA in the educational field.



Specifications:

- Head: Binocular, 360° rotating and 30° inclined
- Eyepieces: WF 10x/18
- Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings
- Objectives: N-PLAN 4x, 10x, 40x, 100x (oil)
- Stage: Double layer mechanical sliding stage, 125x115 mm, 70x30 mm X-Y movement range Vernier scale on the two axes, accuracy: 0.1mm
- Focusing: Coaxial coarse and fine focusing mechanism with limit stop to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob
- Condenser: N.A. 1.25, pre-centered, adjustable height with iris diaphragm
- Illumination: X-LED² with white 3 W LED and light intensity control. Color temperature: 6,300 K

LAB-20 Advanced Biological Microscopes For Students & Teachers



The LAB-20 is ideal for educational purposes in primary and secondary school, providing an exclusive and attractive design combined with premium quality components and optics. Obtain clear stereoscopic view and comfortable and ergonomic operation. The V-shape optical path of Greenough allows us to design a very compact and a slim unit, highly versatile and appreciated for the 3D viewing. Samples with significant depth can be quickly inspected.

Specifications:

- Head: Binocular, 360° rotating and 45° inclined
- Interpupillary Distance: Adjustable between 51 and 75 mm
- Eyepieces: WF 10x/20 mm
- Objectives: Continuous zoom 0.7x ... 4.5x. (6.43:1 zoom factor). Working distance: 85 mm
- Focusing: Rack and pinion controlled by a pair of knobs placed on both sides of the stand
- Stage: Fixed arm type with focusing mechanism
- Illumination: Double illuminator for incident and transmitted light fitted with two high-efficiency LED light sources with light intensity adjustment. The angle of the incident illuminator is adjustable. Color temperature: 6.300K

