



MICROSCOPES



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Inverted Metallurgical Microscope IMM-2200 Series is a part of the range of inverted microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This inverted microscope is used to view large sample to observe as the objective lenses are located below the stage and allow for placing heavy mechanical parts directly on the stage above the objectives. This range, with its large working distance with achromatic: 10X/0.25-6.3 mm, plan achromatic: 40X/0.65-0.7 mm, achromatic: 100X/1.25(oil)-0.1 mm objective. Adjustable 12V/ 20W Halogen lamp, Kohler illumination to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source. The monocular, binocular, and trinocular viewing head with wild field WF10X18 mm, WF12.5X14 mm eyepieces fitted with 48-75mm interpupillary distance as standard. Blue, Green, Yellow and Ground filter are often used to recover detail and polarizing filters, to produce surface glare and to recover grain boundary definition.

- Achromatic objective to correct for color and has a flat field across the central 65% of the image and usually comes with a pair of lenses
- Plan Achromatic also known planar objective corrects better for color and spherical aberration than either the semi-plan or the achromatic objective. Plan objectives have a flat field about the center 95% of the image with larger working distances
- Coaxial coarse & fine adjustment, fine division 2 μ m, moving range 30 mm
- Offer stages that are designed to move small sample slides or entire microscopes including Mechanical stage to facilitates sample observations of length 180 $\times$ 155 mm, Moving range 40 $\times$ 30 mm
- Wild field WF10X18 mm, WF12.5X14 mm eyepieces
- 12/20W Halogen lamp reflected and transmitted light source
- Different filters Blue, Green, Yellow and Ground filter
- Monocular, binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm and trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with finite optical system

