



MICROSCOPES



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Research Metallurgical Microscope IMM-3100 Series is a part of the range of research microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This research microscope is used to view samples that will fit on the microscope stage. This range, with its large working distance infinite LWD plan achromatic metallurgical: 5X/ 0.15/ ∞ / 0 (BF)-10.80 mm, 10X/ 0.30/ ∞ / 0 (BF)-10.0 mm-20X/ 0.45/ ∞ / 0 (BF)-4.00 mm, 50X/ 0.55/ ∞ / 0 (BF)-7.90 mm, 100X/ 0.80/ ∞ / 0 (BF)-2.10 mm objective. Adjustable 5W reflected and transmitted LED lamp to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source, N.A.0.9 swing-out achromatic condenser for transmitted frame, with center adjustable aperture iris diaphragm. The trinocular viewing head with high point wild field PL10X22 mm eyepieces fitted with 54-75 mm interpupillary distance as standard. Yellow/neutral/IF550/LBD filter for transmitted light. Designed with transmitted and reflected frame focusing.

- Infinite LWD Plan Achromatic Metallurgical objective
- Adjustable reflected frame, coaxial focus system with tension adjustment and up-limited device, moving range: 28 mm, fine precision: 0.002mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage to facilitates sample observations of length 175×145mm, moving range: 76×42mm
- High point wild field PL10X22mm eyepieces
- 12V/50W Halogen reflected light source
- Different filters Blue filter with optional: Green/ Amber/ Grey filters
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 54 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with infinite optical system
- Optional accessories Yellow/neutral/IF550/LBD filter for transmitted light, Digital camera adapter, C-mount adapter, 3.2X photo eyepiece, Photo tube with PK or MD mount for DSLR camera, Relay lens, Interference filter for reflected light: Blue filter $\leq$ 480nm; Green filter 520-570 nm; Red filter 630-750 nm; White balance filter, High precision micrometer, scale value 0.01mm

