

IM-5000

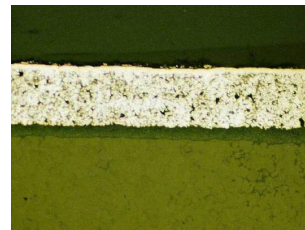
METALLOGRAPHIC MICROSCOPE

Redefine Microstructure Analysis

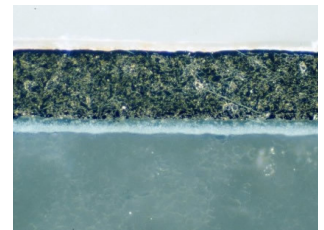
Advanced Illumination | Differential Interference Contrast (DIC)

2 year warranty
Limited warranty

SPECIFICATION	IM-5000 DESCRIPTION
Illumination Techniques	Brightfield, Darkfield, Polarized Light & Differential Interference contrast (DIC)
Objectives	PL L5X/0.12 BD (working distance 10 mm) PL L10X/0.25 BD (working distance 10 mm) PL L20/0.40 BD (working distance 5 mm) PL L50X/0.70 BD (working distance 1.3 mm) PL L100X/0.90 BD (working distance 0.7 mm)
Eyepiece	Wide field WF 10X (field no. 22 mm)
Trinocular Head	Trinocular, 45 degree inclination ratio Observation: 80%, photo 20%
Focusing System	Coaxial coarse/fine focus (2 micron) Travel (stage to focal plane) up 1, down 7 (mm)
Nosepiece	Quintuple
Mechanical Stage	X-Y stage Travel range: 1.6 x 1.6-in (40 x 40mm) Size: 8.9 x 7-in (226 x 178 mm)
Illumination	12V/50W Halogen Lamp
Color Filters	Grey, Blue, Green color filters & ground glass
Electrical Specification	110V/220V (50/60 Hz) (single phase)



Aluminum nitride coated ceramic, 400X, Brightfield



Aluminum nitride coated ceramic, 400X, Darkfield

Advanced Illumination and Versatility

The IM-5000 Inverted Metallographic Microscope features brightfield, darkfield, polarized light, and differential interference contrast (DIC) illumination. These advanced techniques provide clear, high-contrast images, ideal for examining a wide range of materials and revealing intricate details.

High-Quality Imaging and Documentation

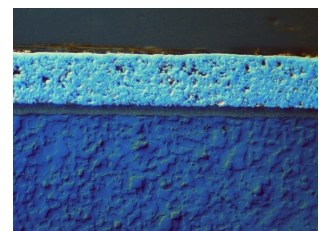
With a versatile range of objectives (5X, 10X, 20X, 50X, and 100X magnifications), the IM-5000 ensures detailed analysis from low to high power. The microscope includes two digital camera ports, capturing high-resolution images, and facilitating digital documentation and analysis for material science and engineering applications.

User Comfort and Efficiency

The IM-5000 is designed with binocular eyepiece tubes for comfortable viewing, reducing eye strain during prolonged use. Its adjustable interpupillary distance accommodates different users, enhancing the overall experience. This economical, multipurpose microscope is an excellent choice for any laboratory or research facility, combining superior image quality with versatile functionality.



IM-5000 Objectives



Aluminum nitride coated ceramic, 400X, Differential Interference Contrast (DIC)

