

Inverted Metallurgical Microscope with UIS Optical System and Bright & Dark Field



iMet-224 Inverted metallurgical microscope is equipped excellent UIS optical system and modularization function design so that update system expediently and achieved polarization, dark field observation.

Compact and steady main frame body is embodiment for the shock resistance. The ideal ergonomic design is adopted in this unit and has easier operation and wider space.

iMet-224 is an ideal optical instrument for micro observation in metallographic structure and surface morphology. It is suitable for research in metallography, mineralogy, precision engineering, etc.

Technical Specifications:

Eyepiece	Wide field WF10X(field number:Φ22mm)	
Objective	iMet-224 Equipped with bright field objectives	PL L10X/0.25 (Work distance): 5 mm
		PL L20X/0.40 (Work distance): 8.80 mm
		PL L50X/0.70 (Work distance): 3.68 mm
		PL L100X/0.85(Dry) (Work distance): 0.40 mm
	iMet-224BD Equipped with bright & dark field objectives	PL L5X/0.12 BD (Work distance): 8.05mm
		PL L10X/0.25 BD (Work distance): 7.86 mm
		PL L20X/0.40 BD (Work distance): 7.23mm
		PL L50X/0.70 BD (Work distance): 2.50mm
Eyepiece tube	Inclination angle is 45° and interpupillary distance is 53~75mm.	
Focus system	Coaxial coarse/fine focus, tension adjustable, minimum division of fine focusing is 2μm.	
Nosepiece	Quintuple (Backward ball bearing inner locating)	
Stage	Mechanical stage overall size: 242mmX200mm and moving range : 30mmX30mm.	
	Rotundity and rotatable stage size: maximal measurement is Φ130mm and minimal clear aperture is less than Φ20mm.	
Illumination system	6V30W halogen and brightness enable control., use in XJL-20	
	12V50W halogen and brightness enable control., use in XJL-20BD	
	Integrated field diaphragm , aperture diaphragm and puller type polarizer.	
	Equipped with frosted glass and yellow ,green and blue filters	
Optional Objective	Equipped with bright field objectives PL L5X, 40X, 60X, 80X	
	Equipped with bright & dark field objectives PL L40X BD, 60X BD, 80X BD, 100X BD	