

## MJ42 Inverted metallurgical microscope



Inverted metallurgical microscope MJ42 employs excellent infinity optical system and modularity design concept to achieve easy system upgrade and realize functions of polarizing observation, dark field observation. The compact, stable and high-rigidity body, fully meets the anti-vibration requirement for the operation. The ergonomic design makes the operation more convenient and comfortable in a wider space. This inverted metallurgical microscope is an ideal instrument for the research of metallurgy, mineralogy, and precision engineering to study the of the microstructure and surface morphology.

Eyepiece		Wide field WF10X(field number:Φ22mm)
Objectives (Infinity plan achromatic with long working distance)	For bright field (MJ42)	PL L10X/0.25 WD:20.2 mm
		PL L20X/0.40 WD:8.80 mm
		PL L50X/0.70 WD:3.68 mm
		PL L100X/0.85 (dry) WD:0.40 mm
	For bright and dark field (MJ42 BD)	PL L5X/0.12 BD WD:9.70 mm
		PL L10X/0.25 BD WD:9.30 mm
		PL L20X/0.40 BD WD:7.23mm
		PL L50X/0.70 BD WD:2.50 mm
Eyepiece tube		45° inclined, interpupillary distance 53~75mm.
Focus system		Coaxial coarse/fine focus, with tension adjustable—minimum division of fine focusing 2μm.
Nosepiece		Quintuple (Fixed nosepiece with backward inclined)
Stage		Mechanical stage overall size: 242mmX200mm, moving range : 30mm*30mm.
		Rotundity and rotatable stage size: maximal external diameter is Φ130mm and minimal clear aperture is less then Φ12mm.
Illumination system		6V30W halogen and brightness adjustable (MJ42)
		12V50W halogen and brightness adjustable ( MJ42BD)
		Built-in field diaphragm , aperture diaphragm and puller type polarizer.
		Equipped with frosted glass and yellow ,green and blue filters