



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

INVERTED METALLURGICAL MICROSCOPE

- **VALUE**
- **VERSATILITY**
- **PERFORMANCE**



BMI-110 SERIES

**DESCRIPTION:**

BMI-110 Series Inverted Metallurgical Microscopes is equipped with excellent UIS optical system and modularization function design so that update system expediently and archived polarization, dark filed 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. This is 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:

Model No.	BMI-110BD	BMI-110B
Eyepieces	Wide Field WF 10x (Field Number Ø22mm)	
Infinite Plan Achromatic	(Equipped with bright field & dark Field objectives)	(Equipped with bright field objectives)
Objectives	PL L5X/0.12	PL L10X/0.25
	PL L10X/0.25BD	PL L20X/0.40
	PL L20X/0.40 BD	PL L50X/0.70 (Spring)
	PL L50X/0.70 BD	PL L100X/0.85 (Dry) (Spring)
Magnification	50x,100x, 200x, 500x (Optional upto 2000x)	100x, 200x, 500x & 1000x (Optional upto 2000x)
Eyepiece Tube	Inclination 45° and interpupillary distance: 53~75mm.	
Focus System	Coaxial coarse/fine focus with tension adjustable, minimum division of fine focusing: 2µm.	
Stage	Mechanical stage Overall Size: 242mm x 200mm and Moving Range: 30mm x 30mm Rotundity and rotatable stage size: maximum measurement is Φ130mm and minimum clear aperture is less then Φ20mm.	
Illumination Unit	12V 50W, halogen lamp, Adjustable brightness Integrated field diaphragm, aperture diaphragm and system polarizer. Equipped with frosted glass and yellow, green and Blue Filter.	6V 30W, halogen lamp, adjustable brightness Integrated field diaphragm, aperture diaphragm and system polarizer. Equipped with frosted glass and yellow, green and Blue Filter.

* Due to continuous product development, Image & specification can be upgrade.