



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

INDUSTRIAL CHECKING & MEASURING MICROSCOPE



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

BICM-100/100BD

**DESCRIPTION:**

BICM-100/100BD Industrial inspection microscopes are suitable to observe surfaces structure and geometry of work piece. It is equipped excellent UIS optical system and modularization function design so that update system expediently and achieved polarization, dark field observation. Lift or down the optical and illumination unit along the leader to adjust the distance from stage to objective, so that enable using for different thickness work piece. Quickly and effectively locate the observation part of work piece by moving the mechanical stage. The motion of the focusing is roll that the roller bearing moved guiding the trigon slide way, so that the moving process is smooth. This is ideal optical instrument for checking and measure in the field of precision part, integrated circuit, packing material etc.

TECHNICAL SPECIFICATION:

Model No.	BICM-100/100BD	
Eyepiece	Wide field WF10X(field number:Φ22mm)	
Infinity Plan Achromatic Objective	BICM-100 (Equipped with bright field Objectives)	PL L5X/0.12, Working Distance: 26.1mm
		PL L10X/0.25, Working Distance: 20.2mm
		PL L20X/0.40, Working Distance: 8.80mm
		PL L50X/0.70, Working Distance: 3.68mm
	BICM-100BD (Equipped with bright & dark field Objectives)	PL L5X/0.12BD, Working Distance: 9.70mm
		PL L10X/0.25BD, Working Distance: 9.30mm
		PL L20X/0.40BD, Working Distance: 7.23mm
		PL L50X/0.70BD, Working Distance: 2.50mm
Eyepiece Tube	Trinocular inclined 30°, can be shot in 100% light flux.	
Epi- illumination System	BICM-100	6V30W halogen, Integrated field diaphragm, aperture diaphragm and (Y,B,G, ground glass) switching device.
	BICM-100BD	12V50W halogen, Integrated field diaphragm, aperture diaphragm and (Y, B, G, ground glass) switching device.
Focus System	Coaxial coarse/fine focus system, with coarse focus knob tension adjustable device, minimum division of fine focusing: 1μm.	
Nosepiece	Quintuple (Backward ball bearing inner locating)	
Working Stage	Base size : 300mmX250mm, Mechanical stage size : 160mmX140mm, Moving range : Transversal : 35mmx30mm	
Optional Accessory	Eyepiece	
	10X(φ22mm) Dividing Eyepiece (Field number φ22mm)	
	Objective	BICM-100
		Bright Field Objective: 40X, 60X, 80X, 100X (Dry)
	CCD Adapter	BICM-100BD
		Bright & dark Field Objective: 40X, 60X, 80X, 100X
	0.4X, 0.5X, 1X, 0.5X (With Dividing)	
	Camera	USB: 130/300/500/900
		USB Output: 1.3M/3.M/5.0M/9.0MP
		Video: 380/520
	Video Output: 380/520 TV Line	
	Digital Camera Adapter	
	CANON (EF), NOKIN (F)	

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