

L3230BD Upright Metallurgical Microscope

L3230BD upright bright or dark transmitted or reflected metallurgical microscope is a kind of multifunction industry inspecting microscope. It is equipped with bright or dark field objectives, wide field eyepieces and integrated polarization observation device, the Kohler illuminator is used in the transmitted and reflected illuminating system, the whole field is clear and uniformity. It is suitable for inspecting, such as semiconductor silicon wafer, LCD floor plate, electrocircuit plate, solid powder and all kind of industry sample that translucent or opaque. It is the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics, etc.



Features:

- * Adopt UIS optical system and modularization function design.
- * Long W.D bright or dark field plan objectives (no cover glass), the field is wide and clear.
- * Wide-field plan eyepieces: field number $\Phi 22\text{mm}$.
- * Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: $2\mu\text{m}$.
- * Maximal movement of stage is about 30mm.
- * Integrated polarization observation device, the polarizer can be circumrotated for 360° .
- * The reflecting illuminator is 12V 50W halogen lamp and the lamp box cover can be revolved, replacing lamp facility and safety. The transmitted illuminator is 12V 30W halogen lamp and adding radiator.
- * Trinocular can be observation for eyepieces and microphotography in 100% light flux, suits for dark field microphotography.

Standard Configuration:

Model	L3230BD
Eyepiece	Wide field WF10X(field number: $\Phi 22\text{mm}$)
Objective	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L5X/0.12 B.D, W.D:9.70mm
	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L10X/0.25 B.D, W.D:3.73mm
	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L20X/0.40 B.D, W.D:7.23mm
	Infinity plan achromatic bright or dark field objective with long W.D (no cover glass) PL L40X/0.60 B.D, W.D:3.04mm
Eyepieces tube	Trinocular, Inclination of 30° , (Integrated analyzer and switching freely)
Vertical illumination unit	12V 50W halogen lamp, adjustable brightness
unit	Integrated field, aperture diaphragm and (Y.B.G. ground glass) switching device. Push-pull type polarizer.
Focus system	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: $2\mu\text{m}$.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm,movingrange:75mmX50mm)
Vertical illumination unit	Abbe condenser NA.1.25 Rack & pinion adjustable
	Blue filter and Ground glass
	Collector for illumination with halogen lamp (With field diaphragm)
	12V 30W halogen lamp, adjustable brightness