

Metallographical Industry Inspection Microscope with DIC



iMet-230DIC Industry check and measure microscope is suitable to observe surfaces structure and geometry of workpiece.

It equips with excellent UIS optical system and modularization function design so that update system expediently and achieved polarization, DIC 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 workpiece.

Quickly and effectively locate the observation part of workpiece by moving the mechanical stage. The motion of the focusing is roll that the roller bearing moved guiding the trigon slideway, 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.

Standard Configuration:

Eyepiece	10X wide field plan eyepiece and field of view number is $\Phi 22\text{mm}$,	
Infinity plan achromatic objectives	iMet-230DIC (Equipped bright field objective)	LMPlan5X/0.12 working distance: 15 mm
		LMPlan10X/0.3 working distance: 10.5 mm
		LMPlan20X/0.4 working distance: 4.5mm
		PL L50X/0.70 working distance: 3.68 mm
Eyepiece tube	Trinocular inclined 30° , can be shot in 100% light flux.	
Focusing system	Coaxial coarse/fine focus system, with tension adjustable device, minimum division of fine focusing: $1.0\mu\text{m}$.	
Nosepiece	Quintuple (Backward ball bearing inner locating)	
Stage	Mechanical stage, overall size: $185\text{mm} \times 140\text{mm}$, moving range: $35\text{mm} \times 30\text{mm}$	
Illumination system	iMet-230DIC	12V50W halogen and brightness enable control.
	Integrated field diaphragm , aperture diaphragm and puller type polarizer. (Equipped with frosted glass and yellow ,green and blue filters)	
DIC group	5X/10X/20X DIC group	