

ICM-100DIC



- ICM-100DIC Industry check and measure microscopes are suitable to observe surfaces structure and geometry of workpiece. It is equipped 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 enables using for different thickness workpiece. Quickly and effectively locate the observation part of the workpiece by moving the mechanical stage. The motion of the focusing is the roll that the roller bearing moved guiding the trigon slideway so that the moving process is smooth. This is the ideal optical instrument for checking and measure in the field of the precision part, integrated circuit, packing material etc.

Stage:

Dimension of base: 300mmX250mm

Mechanical stage overall size:160mmX140mm

moving range: Transersal 35mm,

Longitudinal 30mm.

the knob control the stage movement on top of the stage ,so that the operation is convenience.



Epi-illumination

Integrated field diaphragm, aperture diaphragm and (Y, B, G, ground glass) switching device. Push-pull analyzer and polarizer. 12V50W halogen lamp, brightness adjustable

DIC observation

Equip high quality DIC objectives and DIC observation system, in order to show the clear, profile salient and 3D embossed image.



Photography Unit

By adding the appurtenance such as CCD adapter, digital camera adapter and single-reverse digital camera adapter and etc. It can achieve high clear observation mode of camera and vidicon

Camera observation unit

Specification

Technical specifications (standard)		
Eyepiece	SWF10X wide field plan achromatic eyepiece and field of view number is $\Phi 22\text{mm}$,	
Infinity plan achromatic objectives	ICM-100 (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	ICM-100DIC	12V50W halogen and brightness enable control.
	Integrated field diaphragm, the aperture diaphragm, and puller type polarizer. (Equipped with frosted glass and yellow, green and blue filters)	
DIC group	5X/10X/20X DIC group	

Diagram

