

CW2010-DIC

Differential Interference microscope

Application:

CW2010-DIC is Infinity optical system, Suitable for the quality testing of chip packaging, observation and measurement of the tiny protrusions and minor scratches. Widely used in electronics, materials, chemical and other fields of research and testing. Is the ideal instrument for research institution's and universities' research and teaching.

Characteristic:

1. Converter: Five-hole, Each hole adjusting the focus and dispatch center. Eliminate errors to ensure accuracy. (Exclusive patent)
2. Z-axis use the Split-image principle observed measurement, To combine precision Z-axis rail it can keep, Can effectively guarantee the accuracy of the measurement.
3. DIC prism can move horizontal and vertical, the relief image formed by the linearly polarized light of the two directions will produce a strong three-dimensional. This can not be achieved in a normal optical system.
4. Long Working Distance
5. Light source can choose LED or Fiber cold light source
6. All parts and the assembly of the optical system are imported components. By technical engineers abroad gatekeeper, commissioning and technical control package of DIC system



Name	Parameter					
Lens Barrel	Trinocular, Hinge type, Tilt angle 30°, Whirling 360°					
Eyepiece	High focus flat field WF10X/22					
Flat-field apochromatic objective	Magnification	NA	W.D(mm)	F.D(mm)	D.R(μm)	D.F(μm)
	2X	0.055	34	100	5	91
	5X	0.14	34	40	2	14
	10X	0.28	33.5	20	1	3.58

	20X	0.42	20	10	0.7	1.6
	50X	0.55	13	4	0.5	0.9
Focus	Coaxial Coarse And Fine,Tensional adjustable, Limit locking device,0.001mm*100,Digital analytical value 0.0005mm					
Light source	LED,5w(up),LED,1W,adjustable					
Mobile-axis system	Z-axis:moving range 38mm,Handwheel range 130mm,allowed Workpiece height 130mm,Rail precision (3+L/1000)um					
	X-axis:moving range 200mm,Parse rate:0.001mm,Manual possible					
	Y-axis:moving range 100mm,Parse rate:0.001mm,Manual possible					
	Measurement accuracy (3+L/100)um,(L=The length of the measured object),The episcopic light measurement error $\leq 0.08\%$					
Table	Size:360mm*250mm,Glass size:225mm *175mm,Load-bearing:30KG,Lifting range:30mm					
Instrument Size	380mm*550mm*830mm					
Weight	100KG					

Optional:(Need to specify before ordering)

1. Flat-field apochromatic objective

Magnification	NA	W.D(mm)	F.D(mm)	D.R(μm)	D.F(μm)
100X	0.55	13	2	0.5	0.9

2.Light source can choose LED or Fiber cold light source