



B.N.C.TOOLING Co.,Ltd.

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

69/90 Hatairat Rd., Minburi ,Minburi Bangkok (Thailand) 10510



Vision Measuring Machine

2.5D iFocus Vision Measuring Machine

iMS-2010F/2515F/3020F/4030F/5040F

Model	iMS-2010F/2515F/3020F/4030F/5040F
Code#	521-160F
Accuracy	$\leq 2.5+L/200(\mu m)$
Standard	GBT 24762, ISO10360
Certificate	Gost CE



Brief Induction:

iFocus is the 2.5D high accuracy semi-auto geometric vision measuring machines with optical detent zoom lens, and the Z-axis focus is motorized by the DC servo motor and it is adjustable by the software, it is widely applied at the industry of 3C, semiconductor, PCB, automobile parts, medical parts, precise molds, aviation and aerospace, etc.

Product Characteristics

- High precision marble base and pillar ensures the high stability of vision measuring system;
- High precision toothless rod and fast moving locking device ensures repeatability error is less than 2um;
- High precise working stage with 0.5um optical linear scales ensures the accuracy is less than $2.5+L/200\mu m$;
- High definitive detent zoom lens and high resolution digital camera ensures clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED telecentric illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 4-ring 8-division;



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Technical Specification

Mode	IMS-2010F	IMS-2515F	IMS-3020F	IMS-4030F	IMS-5040F
Code#	521-140F	521-150F	521-160F	521-170F	521-180F
Working Table	270x350mm	408x308mm	458x358mm	608x470mm	650x580mm
Material	Marble Table	Metal Table	Metal Table	Metal Table	Marble Table
Glass Table	142x242mm	306x198mm	356x248mm	456x348mm	541x441mm
X/Y-axis Travel	200x100mm	250x150mm	300x200mm	400x300mm	500x400mm
Z-axis Travel	High-precision linear guide and servo motor control system , working travel 200mm				
X/Y/Z-axis Travel	0.0005mm				
X/Y-axis Accuracy	$\leq 2.5+L/200(\mu m)$				
Hysterisis Error	2um				
Base and Pillar	High Accuracy Jinan Qing Marble				
Illumination System(Software Adjustment)	Surface: Stepless Adjustable 4-ring 8-division LED Cold Illumination, every division can be adjust independently				
	Contour: LED Parallel Illumination				
	LED Laser Navigation Lights				
CCD Camera	High Resolution Digital Camera				
Zoom lens	6.5X High Resolution Detented Zoom Lens				
	Magnification: 0.7X~4.5X; Video Magnification: 26X~172X				
Working Environment	Temperature: 20°C±2°C, change range < 2°C/hr				
	Humidity: 30% ~80%RH				
	Vibration<0.002g, <15Hz				
Measuring Software	iMeasuring 2.2				
Operation System	Support XP, WIN7, WIN8.1, WIN 10, 32/64 operating system				
Language	English, Simplified Chinese, Traditional Chinese, other language versions can be added				
Dimension(W*D*H)	677x552x998mm	790x617x1000mm	838x667x1000mm	1002x817x1043mm	1104x852x1085mm
Net Weight	150Kg	175Kg	185Kg	350Kg	380Kg



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Vision Measuring Machine



Working Cupboard



DELL PC System

