



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

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Vision Measuring Machine

3D iTouch Vision Measuring Machine

IMS-2010P/2515P/3020P/4030P/5040P

Model	IMS-2010P/2515P/3020P/4030P/5040P
Code#	521-150P
Accuracy	$\leq 2.5+L/200(\mu m)$
Standard	GBT 24762-2009
Certificate	Gost CE



Brief Induction:

iTouch is the high accuracy geometric vision measuring machines that integrate the optical detent zoom lens and 3D touch trigger probe system, 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;
- Britain touch trigger probe and powerful function iMeasuring3.1 3D Measuring Software, highly enhance the quality control.



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Specification

Mode	iMS-2010P	iMS-2515P	iMS-3020P	iMS-4030P	iMS-5040P
Code#	521-140P	521-150P	521-160P	521-170P	521-180P
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 , working travel 200mm				
X/Y/Z-axis Travel	0.0005mm				
X/Y-axis Accuracy	$\leq 2.5 + L/200(\mu m)$				
Hysteresis Error	2 μm				
Base and Pillar	High Accuracy Jinan Qing Marble				
Illumination System(Software Adjustment)	Surface: Adjustable 0~255 grade 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 \pm 2°C, change range < 2°C/hr				
	Humidity: 30% ~80%RH				
	Vibration<0.002g, <15Hz				
Measuring Software	IMeasuring3.1				
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