



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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

2D Movable Vision Measuring Machine

1010B

Model	1010B
Code#	521-110B
Accuracy	$E1 \leq 2.4 + L/200(\mu m)$
Standard	GB/T 6830-2013; ISO 10360-7:2011; JJF 1093-2015
Certificate	CE



Brief Induction:

IMS-1010 is the 2D vision measuring machines with optical detent zoom lens for the measurement of geometric dimension and tolerance, it is movable by the light weight: 35Kg and small size: 498x382x627mm, and it is widely applied at the industry of 3C, semiconductor, PCB, automobile parts, medical parts, precise molds, etc.

Product Characteristics

- IMS-100 is able to be moved in different workshop and laboratory by the mall size and light weight easily;
- 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 color 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;
- Powerful function iMeasuring 2.0 Measuring Software, highly enhance the quality control, and it can output Word, Excel, PDF, TXT report and AutoCAD file automatically.



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Vision Measuring Machine

Technical Specification:

Commodity		2D Movable Manual Vision Measuring Machine					
Model		iMS-1010B					
Code#		521-110B					
Metal Table		250x208 mm					
Glass Table		130x130 mm					
X/Y Travel		100x100 mm					
Z-axis Travel		100 mm					
X/Y Linear Scale		High Accuracy A-grade linear scale, Resolution: 0.5um					
Workstage		Precision rails, toothless rod and fast-moving locking device					
Base and Pillar		High Accuracy Marble Base, Cast Aluminum Pillar					
Accuracy		E1xy≤2.4+L/200 (um)					
Repeatability		2um					
Vision System		1/2.9" Digital Camera					
		6.5x High Resolution Optical Detent Zoom Lens					
		Magnification : 0.7X~4.5X; Video Magnification : 26X~172X					
Illumination System (Software Adjustment)		Surface: Adjustable 4-ring 8-division LED Cold Illumination					
		Contour: LED Illumination					
Zoom Lens	Optical Magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	Video Magnification	26.75x	38.21x	76.43x	114.64x	152.86x	171.96x
	Vision field	8.88x7.10x5.32	6.21x4.97x3.73	3.11x2.49x1.86	2.07x1.66x1.24	1.55x1.24x0.93	1.38x1.10x0.83
Working Environment		Temperature : 19°~24°C					
		Humidity : 45% ~75%RH					
		Vibration<0.002g, <15Hz					
Measuring Software		iMeasuring 2.0 Measuring Software					
Load Capacity		5Kg					
Operation System		Support XP, WIN7, WIN8.1 ,WIN 10, 32/64 operating system					
Language		English, Simplified Chinese, Traditional Chinese					
Power Supply		220V/50Hz/10A					
Dimension(W*D*H)		498x382x627mm					
Net Weight		35 Kg					

Description:

- L is measuring length (mm) the mechanical accuracy of Z-axis and focus accuracy is greatly related to the surface of the workpiece.
- **Magnification is approximate value, it is related to the dimension of monitor and resolution.
- 0.5X or 2X objective is optional available, and realize image magnification: 13X~86X or 52X~344X.
- Field of view (mm) = (diagonal*Horizontal*Vertical).
- Executive Standard: GB/T 6830-2013; ISO 10360-7:2011; JJF 1093-2015.