



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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

MVS Series Cantilever Automatic Vision Measuring Machine

MVS-322A

Model	MVS-322A
Code#	523-360A
Accuracy	XY-axis: $\leq 2.2 + L/200(\mu m)$ Z-axis: $\leq 5 + L/200(\mu m)$
Standard	GBT 24762' ISO30160
Certificate	Gost CE



MVS series is a cantilever high accuracy fully automatic vision measuring machine developed for GD&T measurement with three axis automatic motorized control. It equipped with automatic focusing, automatic lighting control, and automatic movement of hardware and software configuration to make the measurement of linear and geometrical dimensions quickly and accurately..

Product Characteristics

- XYZ three axis CNC automatic control and accurate positioning;
- Granite base and column, excellent stability;
- Precision linear guide, grinding ball screw and AC servo motor etc., to ensure the precision and stability of the motion system;
- 0.5 μm high precision glass linear scale to ensure the positioning accuracy and measurement accuracy of the system;
- High resolution digital camera to meet the needs of clear observation and accurate measurement;
- 6.5x high-resolution click zoom lens, accurate doubling and one times pixel correction only needed;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED parallel illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 8-division;
- Powerful function and easy operation iMeasuring 4.1 Measuring Software to enhance quality control;
- Automatic measurement program can be set to complete batch measurement efficiently and quickly.



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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

Technical Specification: *AutoVision 432/542/652/862*

Product Name		Cantilever Automatic Vision Measuring Machine					
Model		MVS-322A		MVS-432A		MVS-542A	
Code#		523-360A		523-370A		523-380A	
X/Y-axis Travel		300x200mm		400x300mm		500x400mm	
Z-axis Travel		200mm					
X/Y/Z-3 axis Linear Scale		Glass Linear Scale Resolution: 0.5um					
Guidance Mode		Precision linear guide, double-track double slider guide.					
Operation Mode		Joystick controller, Mouse operation, automatic detection program.					
Accuracy*		XY-axis : ≤2.2+L/200um					
		Z-axis : ≤5+L/200um					
Repeatability		±2um					
Video System**		High definition 1/2.9" digital camera					
		6.5X continue click zoom lens; Optical Magnification: 0.7X-4.5X; Video Magnification: 26X~172X(21.5"monitor)					
Field of View(mm) (D*H*V)	Magnification	0.7X	1X	2.0X	3.0X	4X	4.5X
	1/2.9"CCD	8.88x7.10x5.32	6.21x4.97X3.73	3.11x2.49x1.86	2.07x1.66x1.24	1.55x1.24x0.93	1.38x1.10x0.83
Illumination System	Contour	LED parallel contour illumination					
	Surface	0~255 Stepless adjustable 4-ring 8-division LED surface illumination					
Measuring Software		Standard: iMeasuring 4.1 Fully Auto Measuring Software					
Load Capacity		25Kg					
Working Environment		Temperature 20°C±2°C, Humidity Range<2°C/hr, Humidity 30~80%, Vibration<0.002g, <15Hz					
Power Supply		220V/50Hz/10A					
Ddimension(W*D*H)		1132x720x1665mm		1280x840x1688mm		1257x920x1640mm	
Packing Size		1290x970x1920mm		1390x1060x1940mm		1450x1170x1900	
Net Weight		380Kg		450Kg		600Kg	

L is measuring length(mm), the mechanical accuracy of Z-axis and focus accuracy is related to the surface of the workpiece. **Magnification is approximate value, it is related to the dimension of monitor and resolution.

Field of view(mm) = (diagonal*Horizontal*Vertical)

0.5X or 2X objective is optional available, and realize image magnification: 13X~86X or 52X~344X.

0.1um glass linear scale is optional available.