SINOWON® Vision Measuring Machine

2.5D AutoVision Automatic Video Measuring System

AutoVision 432/542/652/862

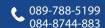|	
Model	AutoVision 432/542/652/862
Code#	520-121
Accuracy	1.8+L/200µm
Standard	GBT 24762-2009
Certificate	Gost CE

2.5D AutoVision is a Gantry Fully Auto Vision Measuring Machine, it is designed for high accuracy and large dimension measurement. Equipped with movable bridge structure, the workpiece is fixed, which can ensure measurement accuracy and stability. It is widely used in electronic industry, medical devices, LCD, aerospace and other industries measurement.

Product Characteristics

● Moving Bridge type structure, measuring workpiece is fixed;
● Four-axis CNC fully auto close loop control, auto measurement;
● Marble base and pillar, good stability;
● Imported linear scale, resolution is 0.1um, grinding ball screw and AC servo motor etc. to ensure the precision and stability of the motion system;
● Imported HD color camera to meet the needs of clear observation and accurate measurement;
● 6.5x high-resolution motorized zoom lens, accurate doubling and one times pixel correction only needed;
● With programmable surface 5-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;
● Optional MCP Probe and Laser Senser Module. Machines can be customized according to customers' requirements.

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SINOWON® Vision Measuring Machine

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

Product Name		2.5D Automatic Vision Measuring Machine					
Model		AutoVision432		AutoVision542	AutoVision652	AutoVision862	
Code#		520-121		520-131	520-141	520-151	
X/Y-axis Travel（mm）		400x300mm		500x400mm	600x500mm	800x600mm	
Z-axis Travel（mm）		200mm					
X/Y/Z 3-axis Linear Scale（mm）		Imported Open Linear Scale, resolution：0.1um					
Guidance Mode		Imported H grade Linear Guide, Double-Track Double Slider Guide					
Operation Mode		Joystick controller, Mouse operation, automatic detection program					
Measurement Accuracy		XY-axis：≤2+L/200(um)					
		Z-axis：≤5+L/200(um)					
Repeatability		±2um					
Video System		1/1.8" Color CCD Camera					
		6.5X Automatic Zoom Lens; Optical Magnification: 0.7X~4.5X, Video Magnification: 20X~129X(21.5"monitor)					
Field of View(mm) Diagonal * Horizontal*Vertical	Lens Magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	1/1.8"CCD	12.86x10.29 x7.71	9.00x 7.20x 5.40	4.50x3.60x2.70	3.00x2.40x1.80	2.25x1.8 0x1.35	2.00x1.6 0x1.20
Illumination	Contour	LED Parallel Contour Illumination					
	Surface	5-ring 8-division 0~255 grade continue adjustable					
Software System		iMeasuring 4.1 Fully Auto Measuring Software					
Load Capacity		30Kg		30Kg	30Kg	30Kg	
Working Environment		Temperature 20℃±2℃, Humidity Range<2℃/hr,Humidity 30~80%,Vibration<0.002g,<15Hz					
Power		220V/50Hz/10A					
Dimension		1160x800x1650mm		1450x950x1650mm	1600x1050x1650mm	2000x1200x1650mm	
Packing Dimension		1380x1170x1910mm		1690x1300x2000mm	1800x1400x2000mm	2300x1700x2000mm	
Weight		650Kg		780Kg	1380Kg		

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