



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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

2.5D AutoScan Automatic Vision Measuring Machine

AutoScan 432/542/652/862

Model	AutoScan 432/542/652/862
Code#	522-141
Accuracy	XY-axis: $\leq 1.8 + L/200(\mu m)$
Standard	GBT 24762, ISO10360
Certificate	Gost CE



AutoScan is equipped with non-contact laser sensor to realize 3D measurement. It is widely used in non-contact measurement, and able to realize thickness, flatness and scan measurement.

Product Characteristics

- Moving bridge structure, measurement workpiece is fixed;
- Four-axis CNC fully auto close loop control, auto measurement;
- Marble base and pillar, stable and reliable;
- Imported open type linear scale, resolution is 0.1 μm , high accuracy, great stability;
- Imported P grade linear guide,, precision grinding ball screw and AC servo motor, ensure accuracy stability of system position;
- Imported high definition color industry camera, ensure clear observation and stable measurement requirement;
- 6.5X continue auto zoom lens, precision auto zoom, only need to make pixel calibration once time;
- Programmable 5-ring 8-division LED surface illumination, contour parallel LED illumination, can realize 256 grade brightness adjustment intelligently;
- With imported non-contact laser sensor, realize thickness and flatness and other measurement;
- With proprietary fully auto measuring software iMeasuring 5.0, powerful function, simple operation;
- Optional touch probe, coaxial illumination and other accessory, it can also be customized according to customer request;



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Vision Measuring Machine

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

Commodity		2.5D Automatic Vision Laser-scanning Measuring Machine							
Model		AutoScan 432		AutoScan 542		AutoScan 652		AutoScan 862	
Code#		522-121		522-131		522-141		522-151	
X/Y-axis Travel （mm）		400x300mm		500x400mm		600x500mm		800x600mm	
Z-axis Travel （mm）		200mm							
X/Y/Z 3-axis Linear Scale （mm）		High precision linear scale, resolution : 0.1um							
Guidance Mode		Precision linear guide, double-track double slider guide							
Operation Mode		Joystick controller, Mouse operation, automatic detection program							
Measurement Accuracy		XY-axis : ≤1.8+L/200(um)							
		Z-axis : ≤5+L/200(um)							
Repeatability		±2um							
Video System		High definition 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)	Lens	0.7x	1x	2.0x	3.0x	4x	4.5x		
(Diagonal	Magnification								
*Horizontal*Vertical)	1/1.8"CCD	12.86x10.29	9.00x	4.50x3.60x2.70	3.00x2.40x	2.25x1	2.00x1.60x1.20		
		x7.71	7.20x		1.80	.80x1.			
			5.40			35			
Illumination		Contour	LED Parallel Contour Illumination						
		Surface	5-ring 8-division 0~255 grade continue adjustable						
Software System		diMeasuring 5.0 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(Kg)		650Kg		780Kg		1380Kg		2000Kg	