



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

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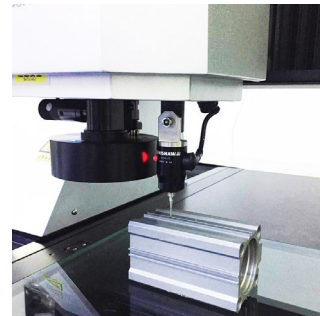


Vision Measuring Machine

3D AutoTouch Automatic Vision Measuring Machine ***AutoTouch 432/542/652/862***

Model	AutoTouch 432/542/652/862
Code#	521-121
Accuracy	1.8+L/200 μ m
Standard	GB/T 24762; ISO 10360
Certificate	Gost CE

3D AutoTouch is equipped with Touch Probe to realize 3D Measurement. Four-axis is motorized control and measurement, it is very easy to operate and can meet with widely application for precision industry measurement.





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Vision Measuring Machine

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;
- Equipped with imported MCP Probe to perform 3D measurement;
- Powerful function and easy operation iMeasuring 4.2 Measuring Software to enhance quality control;
- Optional Laser Sensor Module. Machines can be customized according to customers' requirements.

Technical Specification:

Product Name		3D Autotouch Automatic Vision and Touch-probe Compound Measuring Machine							
Model		AutoTouch 432		AutoTouch 542	AutoTouch 652		AutoTouch 862		
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 P grade 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 1/2" Color CCD Camera, Image navigation system							
		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		
	1/2"CCD	11.43x9.14x6.86	8.00x6.40x4.80	4.00x3.20x2.40	2.67x2.13x1.60	2.00x1.60x1.20	1.78x1.42x1.07		
Illumination		Contour	LED Parallel Contour Illumination						
		Surface	5-ring 8-division 0~255 grade continue adjustable						
Software System		4.2 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		