



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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

Instant Vision measurement System

iVS-30

Model	iVS-30
Code#	500-030
Accuracy	$\pm 2\mu\text{m}$
Certificate	Gost CE



Product Characteristics

High accuracy and excellent repeatability

- High depth of field, low distortion double telecentric lens, no need to repeat focus.
- Software processes the image by the way of Sub-pixel edge detection and automatic removal of burrs and outliers and the least-square method to ensure accuracy.

Friendly operation

- Automatic location and orientation correction, automatically detect and measure based on the recorded shape of the sample, measure with a click of button.

Efficient batch measurement

- Automatically identify multiple parts, test elements, then conduct automatic measurement, satisfied with batch measurement requirements.
- Entire image, no need to move the working stage, both high efficiency and high accuracy.
- Improve efficiency, save labor cost, eliminate operator error.

Quality Control and Statistical Process Control (SPC)

- Automatic memory and output measuring values, and make test data simple applied.



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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

Technical Specification

Model	iVS-30	iVS-60	iVS-80	iVS-160
Code#	500-030	500-060	500-080	500-160
Lens	0.3X Double Telecentric Lens	0.17X Double Telecentric Lens	0.088X Double Telecentric Lens	0.088X Double Telecentric Lens
Working Distance	110 mm	110 mm	120 mm	390mm
Wide Field	Ø 30mm(28x24)	Ø 60mm(56x50)	Ø116mm(94x76)	Ø229.6mm(146.7x110)
Measurement Accuracy	±2um	±3um	±4um	±7um
Repeatability Accuracy	±1um	±2um	±2um	±5um
Camera	2/3" 5 million pixel B/W camera (Ethernet)			
Illumination	Digital controls, automatic memory			
	Telecentric Green LED Contour illumination			
	Ring White LED illumination			
PC System	DELL (I5 Intel processors)			
Monitors	Built-in 10.4 inch LCD Monitor(1920*1080)			
	External 21.5 inch LCD Monitor(1920*1080)			
Measuring Software	iMeasuring 2.0			
Measuring Amount	Max.99			
Test Time	<5S (Less than 100 tests)			
Output data	Test data, reports, determine the results (OK, NG, WAIT), etc			
Function	2D measurements: points, lines, circles, arcs, angles, distance, oval, O-rings, Groove, rectangle, parallelism			
Auxiliary Function	Intersection, parallel, perpendicular, tangent, bisection.			
Geometric Tolerances	Dimension tolerances and position tolerances, tolerances of form and position (Point position concentricity, straightness, parallelism, roundness, straightness, profile, etc)			
Measurement Mode	Manual / Automation			
SPC Data Management and Control	√			
CAD Data Input / Output	√			
Power Supply	AC100~240V, 50~60Hz			



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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

Application



It is widely used in quick batch measurement of precision screws, precision springs, gears, cell phone case, cell phone glass, precision metal parts and other parts in small size.

Product Details





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

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

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



Vision Measuring Machine

Item Code for MVS Series

Sensor System	A (2.5D) Optical Zoom lens			B (3D) Zoom lens & MCP Touch Probe			C (2.5D) Optical Zoom lens & Laser scanning Probe			D (3D) Zoom Lens, Scanning and Touch probe		
Item Code	MVS-322A	MVS-432A	MVS-542A	MVS-322B	MVS-432B	MVS-542B	MVS-322C	MVS-432C	MVS-542C	MVS-322D	MVS-432D	MVS-542D
Software	iMeasuring 4.1			iMeasuring 4.2			iMeasuring 5.0			iMeasuring 5.1		

MVS Series can be customized according to customers' application requirements. Motorized coaxial zoom lens is optional for improving 2.5D measurement efficiency; MCP probe is optional for measuring 3D geometric dimensions, while laser sensor module is selected to perform the accurate measurement of glass, transparent plastic and other materials.

Product Details

