

CNC VISION MEASURING SYSTEMS



computer is included

- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement

ISD-V500N

SPECIFICATION

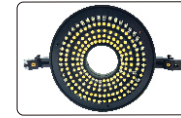
Code		ISD-V500N	ISD-V500HN
Measuring range(X×Y×Z)		470×370×200mm	470×370×400mm
Stage size		786×636mm	
Glass stage size		570×470mm	
Resolution of X/Y/Z axis		0.5μm	
Accuracy of X/Y axis		≤(2.5+L/200)μm (L is measuring length in mm)	
Repeatability of X/Y axis		2μm	
Objective		0.7X~4.5X (zoom)	
Working distance		92mm	
View field(diagonal length)		1.7~11.1mm	
Magnification		20X~128X (on 19.5" monitor)	
Camera		1/2" color CCD, 0.4M pixel	
Illumination	surface	coaxial light, programmable segmented ring light	
	contour	adjustable LED light	
Max. height of workpieces		200mm	400mm
Max. weight of workpieces		30kg	
Operation system		Windows 7/10	
Drive method		Automatic	
Power supply		220V, 50/60Hz	
Dimension (L×W×H)		1270×1200×1870mm	1270×1200×2070mm
Weight		870kg	900kg

STANDARD DELIVERY

Main unit	1 pc
Video card with dongle	1 pc
Software disc	1 pc
Lens with coaxial light	1 pc
Controller	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Laser positioner	1 pc
Clay	1 pc
Anti-dust cover	1 pc



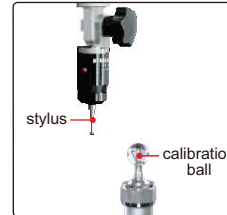
lens with coaxial light (included)



programmable segmented ring light (included)

OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 175mm Magnification: 10~64X (on 19.5" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 36mm Magnification: 40~256X (on 19.5" monitor)
Probe	Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Office software	Code: 7313-OFFICE



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

SOFTWARE(INCLUDED)

The screenshot shows the INSIZE-A software interface with various components labeled:

- image**: The main view showing a circular measuring object with a stylus tip.
- X/Y/Z axis display**: A panel showing coordinate values: X: 39.2667, Y: -20.5593, Z: -92.6418.
- light control**: A panel with a zoom slider and buttons for light control.
- zoom**: A label pointing to the zoom slider in the light control panel.
- measuring object**: The circular object being measured in the main view.
- measuring result**: A data display table at the bottom showing measurement data.
- tools**: A panel on the left side of the interface containing various measurement tools.
- moto control**: A panel with directional arrows and a speed slider for moving the probe.
- graphic**: A panel at the bottom right showing a graphical representation of the measuring object with dimensions like R1.4939 and D5.0017.

Element List	Content	Actual	Nominal	Over	Up/Flt	Down/Flt	State
CR1	Center X	39.2793	39.2793	0.0000			
LN1	Center Y	-20.5873	-20.5873	0.0000			