

CNC VISION MEASURING SYSTEMS



computer is included

ISD-V500N

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

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)	1.5~10.8mm	
Magnification	33.0X~208.6X (on 24" monitor)	
Camera	Giga-bit network camera	
Illumination	surface	coaxial light, programmable segmented ring light adjustable LED light
	contour	
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



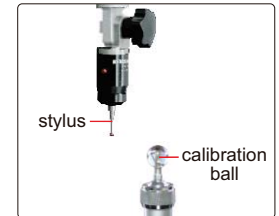
lens with coaxial light (included)



programmable segmented ring light (included)

OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 175mm Magnification: 16.5~104.3X (on 24" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 36mm Magnification: 66~417.2X (on 24" 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)

- Refer to page 409~410 for details

The screenshot displays the software interface with various components labeled:

- real-time image:** The main central window showing a live video feed of a circular object with two dark, curved features.
- X/Y/Z axis:** A coordinate system overlay on the right side of the main image.
- light controller:** A panel on the right side of the interface with buttons for light control.
- magnification of selected points:** A zoomed-in view of a specific point on the object, showing its coordinates (X: 39.2667, Y: -20.6593, Z: -92.6419).
- measuring graphic:** A graphic overlay on the object showing measurement lines and values, such as R1.4998 and D5.0017.
- measuring objects:** A list of objects (OBJ1, OBJ2, etc.) in the bottom left corner.
- measuring results:** A table in the bottom left corner showing measurement data for various points (LN1, LN2, LN3, LN4).
- measuring tools:** A toolbar on the left side of the interface with various measurement and navigation tools.
- movement controller:** A panel on the right side of the interface with directional arrows and a speed slider for moving the probe.