

MOTORIZED ZOOM
OBJECTIVE IS OPTIONAL

CNC VISION MEASURING SYSTEMS(WITH STAND)



- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Servo motors for X, Y, Z axis
- Granite body, more stable
- SPC function for large quantity measurement
- Measuring software is included (page 327~328)

ISD-E320

SPECIFICATION

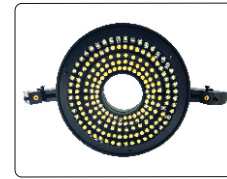
Code	ISD-E320	ISD-E430
Measuring range(X×Y×Z)	300×200×200mm	400×300×200mm
Stage size	556×406mm	561×556mm
Glass stage size	350×250mm	450×350mm
Resolution of X/Y/Z axis	0.5μm	
Accuracy of X/Y axis	≤(2.5+L/200)μm (L is measuring length in mm)	≤(3.5+L/200)μm (L is measuring length in mm)
Repeatability of X/Y axis	2μm	
Objective(manual zoom)	0.7X~4.5X (zoom)	
Working distance	92mm	
View field(diagonal length)	1.7~11.1mm	
Magnification	33X~208.6X (on 24" monitor)	
Camera	Giga-bit network camera	
Illumination	surface	coaxial light, programmable segmented ring light
	contour	adjustable LED light
Max. height of workpieces	200mm	
Max. weight of workpieces	30kg	
Operation system	Windows 7/8/10	
Drive method	Automatic	
Power supply	220V, 50/60Hz	
Dimension (L×W×H)	1420×915×1830mm	1650×1170×1900mm
Weight	500kg	700kg

STANDARD DELIVERY

Main unit	1 pc
Dongle	1 pc
Software	1 pc
Computer	1 pc
Display	1 pc
Lens with coaxial light	1 pc
Controller	1 pc
Calibration glass chart	1 pc
Laser positioner	1 pc
Clay	1 pc
Anti-dust cover	1 pc



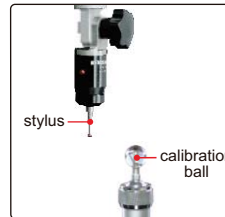
lens with coaxial light (included)



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
Laser probe	Code: ISD-V-LASER



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



laser probe(optional) measuring accuracy is 5µm

SOFTWARE(INCLUDED)

- Refer to page 327~328 for details

The screenshot displays the INSIDE-A software interface. Key components are labeled as follows:

- measuring object:** A circular object with a black crosshair pattern.
- measuring result:** A data table showing coordinates and tolerances.
- tools:** A toolbar with various measurement and navigation tools.
- moto control:** A control panel for moving the probe, including X, Y, Z, and rotation axes.
- graphic:** A graphical representation of the measuring object with dimensions like R1.4939 and D5.0017.
- X/Y/Z axis display:** A 3D coordinate system showing the probe's position.
- light control:** A panel for adjusting the light source.
- zoom:** A zoom control panel for adjusting the magnification.

Element	Constant	Actual	Nominal	Over	Up/Total	Low/Total	Status
Center X		39.2793	39.2793	0.0000			
Center Y		-20.5873	-20.5873	0.0000			