

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-U

SPECIFICATION

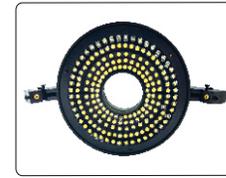
Part No.	ISD-E320-U	ISD-E430-U
Measuring range(X×Y×Z)	11.81×7.87×7.87"	15.75×11.81×7.87"
Stage size	21.89×15.98"	22.09×21.89"
Glass stage size	13.78×9.84"	17.72×13.78"
Resolution of X/Y/Z axis	.00002"	
Accuracy of X/Y axis	≤(98.4+10L)μin (L is measuring length in inch)	≤(137.8+10L)μin (L is measuring length in inch)
Repeatability of X/Y axis	.00002"	
Objective(manual zoom)	0.7X~4.5X (zoom)	
Working distance	3.62"	
View field(diagonal length)	.07~.44"	
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	7.87"	
Max. weight of workpieces	66lb	
Operation system	Windows 7/8/10	
Drive method	Automatic	
Power supply	110V, 50/60Hz	
Dimension (L×W×H)	55.90×36.02×72.05"	64.96×46.06×74.80"
Weight	1102lb	1543lb

STANDARD DELIVERY

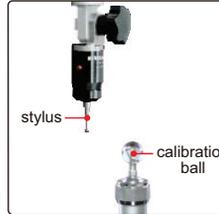
Main unit	1 pc
Dongle	1 pc
Software	1 pc
Computer	1 pc
Display	1 pc
Lens with coaxial light	1 pc
Controller	1 pc
Calibration glass chart	1 pc
Laser positioner	1 pc
Clay	1 pc
Anti-dust cover	1 pc



lens with coaxial light (included)



programmable segmented ring light (included)



probe (optional), includes $\varnothing 2\text{mm}/.079"$ DIA and $\varnothing 3\text{mm}/.118"$ DIA styli, $\varnothing 25\text{mm}/.984"$ calibration ball, measuring accuracy is $.0004"$



laser probe (optional) measuring accuracy is $.0002"$

OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 6.89" Magnification: 16.5~104.3X (on 24" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 1.42" Magnification: 66~417.2X (on 24" monitor)
Probe	Code: ISD-V-PROBE Includes $\varnothing 2\text{mm}/.079"$ DIA and $\varnothing 3\text{mm}/.118"$ styli, $\varnothing 25\text{mm}/.984"$ calibration ball
Office software	Code: 7313-OFFICE
Laser probe	Code: ISD-V-LASER

SOFTWARE(INCLUDED)

- Refer to page 327~328 for details

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

- measuring object:** A circular object with a dark, cross-shaped feature is shown in the main image window.
- measuring result:** The 'Coordinate Display' window shows X: 39.2667, Y: -20.5598, and Z: -92.6419.
- tools:** A central toolbar contains various icons for measurement and navigation.
- moto control:** A 'Moto Control' panel with directional arrows and a speed slider.
- graphic:** A 'Graphics Display' window showing a technical drawing of the object with dimensions R1.4998 and D5.0017.
- X/Y/Z axis display:** A 3D coordinate system display.
- light control:** A 'Light Control' panel with a zoom slider and other settings.
- zoom:** A 'Zoom Window' panel with a zoom level of 3.0x.