

## CNC VISION MEASURING SYSTEMS (WITH STAND)

MOTORIZED ZOOM  
OBJECTIVE IS OPTIONAL



lens with coaxial light (included)



programmable segmented ring light (included)



software flash disk (included)

- 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 671~672)

### 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



computer is included

controller

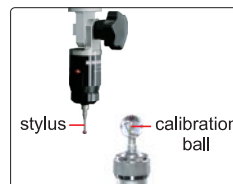
ISD-E320

## SPECIFICATION

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

## OPTIONAL ACCESSORY

<b>0.5X auxiliary objective</b>	code: <b>ISD-V-OB05X</b> working distance: 175mm magnification: 16.5~104.3X (on 24" monitor)
<b>2X auxiliary objective</b>	code: <b>ISD-V-OB2X</b> working distance: 36mm magnification: 66~417.2X (on 24" monitor)
<b>Probe</b>	code: <b>ISD-V-PROBE</b> includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
<b>Office software</b>	code: <b>7313-OFFICE</b>
<b>Laser probe</b>	code: <b>ISD-V-LASER</b>



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



laser probe (optional) measuring accuracy is 5μm

## SOFTWARE (INCLUDED)

The screenshot displays the software interface with several key components labeled:

- real-time image:** The main view showing a circular object with a dark, butterfly-shaped feature.
- X/Y/Z axis:** A control panel with numerical readouts for X (39.2667), Y (-20.5593), and Z (-92.6419).
- light controller:** A panel with buttons for 'Move' and 'Stop'.
- magnification of selected points:** A zoomed-in view of the object's feature with dimensions R1.4999 and Ø5.0017.
- measuring objects:** A list of objects in the bottom-left corner.
- measuring results:** A table in the bottom-center showing measurement data.
- measuring tools:** A toolbar with various measurement and construction tools.
- movement controller:** A panel with directional arrows for moving the stage.