

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

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

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

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)

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

- real-time image:** The main window showing a live video feed of a circular object with a dark, butterfly-shaped feature.
- XYZ axis:** A panel on the right showing coordinate values: X: 39.2667, Y: 20.5593, Z: 92.6419.
- light controller:** A panel on the right with buttons for 'Move' and 'Stop'.
- magnification of selected points:** A zoomed-in view of a specific point on the object, showing a pointer and a magnified area.
- measuring objects:** A list on the left showing various elements like ARC1, LK1, LK2, LK3, LK4.
- measuring results:** A table at the bottom showing measurement data for selected elements.
- measuring tools:** A central toolbar with various icons for measurement and construction.
- movement controller:** A panel on the right with directional arrows for moving the camera or probe.
- measuring graphic:** A diagram at the bottom showing the object's geometry with labels like R1.4999 and D5.0017.