



- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Double close-loop motion control, with precise positioning performance in high-speed movement
- Granite body, more stable
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement

SPECIFICATION

Code	ISD-R320	ISD-R430	ISD-R540
Measuring range (X*Y*Z)	300×200×150mm	400×300×150mm	500×400×150mm
Stage size	500×330mm	606×466mm	706×566mm
Glass stage size	350×280mm	450×350mm	550×450mm
Resolution of X/Y/Z axis	0.5μm		
Accuracy of X/Y axis	≤(3+L/200)μm (L is the measuring length in mm)		
Repeatability of X/Y axis	2μm		
Objective	0.7X~4.5X (zoom)		
Working distance	55mm		
View field (diagonal length)	1.3~7.6mm		
Magnification	29X~143X (on 21.5" monitor)		
Camera	1/3" color CCD, 0.3M pixel		
Illumination	contour	programmable segmented ring light	
	surface	adjustable LED light	
Max. height of workpiece	150mm		
Max. weight of workpiece	20kg		
Operation system	Windows 10/11		
Drive method	automatic		
Power supply	220V, 50/60Hz		
Dimension (L*W*H)	720×770×1780mm	700×1000×1780mm	800×1040×1780mm
Weight	270kg	325kg	500kg

STANDARD DELIVERY

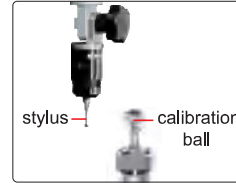
Main unit	1 pc
Software	1 pc
Dongle	1 pc
Controller	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Anti-dust cover	1 pc



programmable segmented ring light (included)

OPTIONAL ACCESSORY

0.5X auxiliary objective	code: ISD-Y-OB05X working distance: 175mm magnification: 14.5~71.5X (on 21.5" monitor)
2X auxiliary objective	code: ISD-Y-OB2X working distance: 36mm magnification: 58~286X (on 21.5" monitor)
Probe	code: ISD-Y-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Vision measuring system with coaxial light lens	code: ISD-R320L, ISD-R430L, ISD-R540L
Office software	code: 7313-OFFICE



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



lens with coaxial light (**optional**)

SOFTWARE (INCLUDED)

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

- real-time image:** The top-left window displays a live camera feed of a circular target with a crosshair.
- light controller:** A central control panel with various icons for adjusting the lighting.
- measuring graphic:** The top-right window shows a processed image of the target with measurement lines and data points.
- X/Y/Z axis:** A coordinate system is visible in the bottom-left corner of the software window.
- measuring results:** A data table at the bottom left lists various parameters such as X, Y, Z, Diameter, and Area.
- measuring tools:** A toolbar at the bottom center contains icons for different measurement functions.
- measuring objects:** The bottom right area shows a list of detected objects and their properties.