



- 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

Part.No	ISD-R320-U	ISD-R430-U	ISD-R540-U
Measuring range (X×Y×Z)	11.81×7.87×5.90"	15.75×11.81×5.90"	19.68×15.75×5.90"
Stage size	19.68×12.99"	23.86×18.34"	27.80×22.28"
Glass stage size	13.78×11.02"	17.72×13.78"	21.65×17.72"
Resolution of X/Y/Z axis	.00002"		
Accuracy of X/Y axis	≤(118.1+5L)μin (L is the measuring length in inch)		
Repeatability of X/Y axis	.00008"		
Objective	0.7X~4.5X (zoom)		
Working distance	2.16"		
View field (diagonal length)	.05~.30"		
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	5.90"		
Max. weight of workpiece	44lb		
Operation system	Windows 10/11		
Drive method	automatic		
Power supply	110V, 50/60Hz		
Dimension (L×W×H)	28.37×30.31×70.08"	27.56×39.37×70.08"	31.50×40.94×70.08"
Weight	595lb	716lb	1102lb

## STANDARD DELIVERY

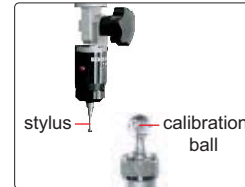
Main unit	1 pc
Software	1 pc
Dongle	1 pc
Controller	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Anti-dust cover	1 pc



programmable segmented ring light (included)

## OPTIONAL ACCESSORY

0.5X auxiliary objective	code: <b>ISD-Y-OB05X</b> working distance: 6.89" magnification: 14.5~71.5X (on 21.5" monitor)
2X auxiliary objective	code: <b>ISD-Y-OB2X</b> working distance: 1.42" magnification: 58~286X (on 21.5" monitor)
Probe	code: <b>ISD-Y-PROBE</b> includes .79"DIA/Ø2mm and .118"DIA/Ø3mm styli, .984"DIA/Ø25mm calibration ball
Vision measuring system with coaxial light lens	code: <b>ISD-R320L-U,</b> <b>ISD-R430L-U,</b> <b>ISD-R530L-U</b>
Office software	code: <b>7313-OFFICE</b>



stylus — calibration ball

probe (optional), includes .79"DIA/Ø2mm and .118"DIA/Ø3mm styli, .984"DIA/Ø25mm calibration ball, measuring accuracy is .0004"



lens with coaxial light (optional)

## SOFTWARE (INCLUDED)

real-time image      light controller      measuring graphic

X/Y/Z axis

measuring results      measuring tools      measuring objects

OK

The screenshot shows a software interface with several panels. The top-left panel displays a real-time image of a circular object with a dark, butterfly-shaped feature. The top-right panel shows a measuring graphic with geometric overlays. The bottom-left panel displays a table of measuring results. The bottom-center panel contains a grid of measuring tools. The bottom-right panel shows measuring objects. A central panel contains a light controller interface. A coordinate system (X/Y/Z axis) is visible in the bottom-left corner. An 'OK' button is located in the bottom-right corner.