CNC VISION MEASURING SYSTEMS





- 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	0.5µm		
Accuracy of X/Y axis		≤(3+L/200)µm (L is the measuring length in mm)			
Repeatability of X/Y axis		2µm	2µm		
Objective		0.7X~4.5X (zoom)	0.7X~4.5X (zoom)		
Working distance		55mm	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	programmable segmented ring light		
	surface	adjustable LED light	adjustable LED light		
Max. height of workpiece		150mm	150mm		
Max. weight of workpiece		20kg	20kg		
Operation system		Windows 10/11	Windows 10/11		
Drive method		automatic	automatic		
Power supply		220V, 50/60Hz	220V, 50/60Hz		
Dimension (L×W×H)		720×770×1780mm	700×1000×1780mm	800×1040×1780mm	
Weight		270kg	325kg	500kg	

STANDARD DELIVERY

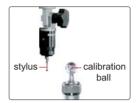
Main unit	1 pc
Software	1 pc
Dongle	1 pc
Controller	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Anti-dust cover	1 pc

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-R530L
Office software	code: 7313-OFFICE



programmable segmented ring light (included)



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



lens with coaxial light (**optional**)

SOFTWARE (INCLUDED)

