

CNC VISION MEASURING SYSTEMS (BASIC TYPE)



MOTORIZED ZOOM
OBJECTIVE IS OPTIONAL



- 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)		300×200×200mm	400×300×200mm	500×400×200mm
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		92mm		
View field (diagonal length)		1.0~6.6mm		
Magnification		37.2X~236.0X (on 21.5" monitor)		
Camera		1/2" color CCD, 1.3M pixel		
Illumination	contour	programmable segmented ring light		
	surface	adjustable LED light		
Max. height of workpiece		200mm		
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

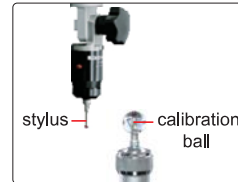
Main unit	1 pc
Software	1 pc
Dongle	1 pc
Controller	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Anti-dust cover	1 pc



programmable segmented ring light (included)

OPTIONAL ACCESSORY

0.5X auxiliary objective	code: ISD-Y-OB05X working distance: 175mm magnification: 18.6~118.0X (on 21.5" monitor)
2X auxiliary objective	code: ISD-Y-OB2X working distance: 36mm magnification: 74.5~472.0X (on 21.5" monitor)
Probe	code: ISD-Y-PROBE includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Spectral confocal sensor	code: ISD-R-SCS (must be installed in factory)
Rotary table	code: ISD-R-RT (must be installed in factory)
Vision measuring system with coaxial light lens	code: ISD-R320L, ISD-R430L, ISD-R530L
Office software	code: 7313-OFFICE



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



rotary table (**optional**)



lens with coaxial
light (**optional**)



spectral confocal sensor
(**optional**), thickness of glass
or plastic film can be measured
according to the refractive index,
measuring accuracy is 5µm

SOFTWARE (INCLUDED)

