

2D+3D COMPOSITE CNC VISION MEASURING SYSTEMS



3D PROBE WITH 3D SOFTWARE
FOR 3D MEASUREMENT



programmable segmented ring light (included)

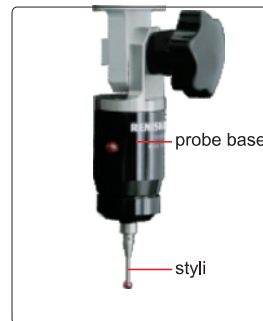


lens with coaxial light (included)



computer is included

ISD-U322



standard probe set (optional)



advanced probe set (optional)

- Motorized zoom objective
- Can import 3D drawings
- Vision measurement and probe measurement can be used in the same program
- Granite platform, column and stage, more stable
- Double close-loop motion control, with precise positioning performance in high-speed movement
- Panasonic servo control motor
- 40 independent surface light source, 200-step adjustment
- Servo motors for X, Y, Z axis

SPECIFICATION

Code	ISD-U322	ISD-U432	ISD-U532	ISD-U542
Measuring range (X*Y*Z)	300×200×200mm	400×300×200mm	500×300×200mm	500×400×200mm
Stage size	600×390mm	700×490mm	800×490mm	800×590mm
Glass stage size	350×250mm	450×350mm	550×350mm	550×450mm
Resolution of X/Y/Z axis	0.5μm			
Accuracy (vision)	≤(2+L/200)μm (L is the measuring length in mm)			
Accuracy (probe)	≤(3+L/200)μm (L is the measuring length in mm)			
Repeatability	1.5μm			
Objective	0.7X~4.5X (zoom)			
Working distance	55mm			
View field (diagonal length)	1.3~7.9mm			
Magnification	36X~210X (on 21.5" monitor)			
Camera	1/2"color CCD, 2M pixel			
Illumination	surface	coaxial light, programmable segmented ring light		
	contour	adjustable LED light		
Max. height of workpiece	195mm			
Max. weight of workpiece	20kg	30kg	35kg	35kg
Operation system	Windows 10/11			
Drive method	automatic			
Power supply	220V, 50/60Hz			
Dimension (L*W*H)	1400×900×1780mm	1600×1120×1780mm	1650×1120×1780mm	1650×1220×1780mm
Weight	440kg	560kg	580kg	620kg

STANDARD DELIVERY

Main unit	1pc
Dongle	1pc
Software	1pc
Lens with coaxial light	1pc
Controller	1pc
Computer	1pc
Calibration glass chart	1pc
Laser positioner	1pc
Clay	1pc
Anti-dust cover	1pc

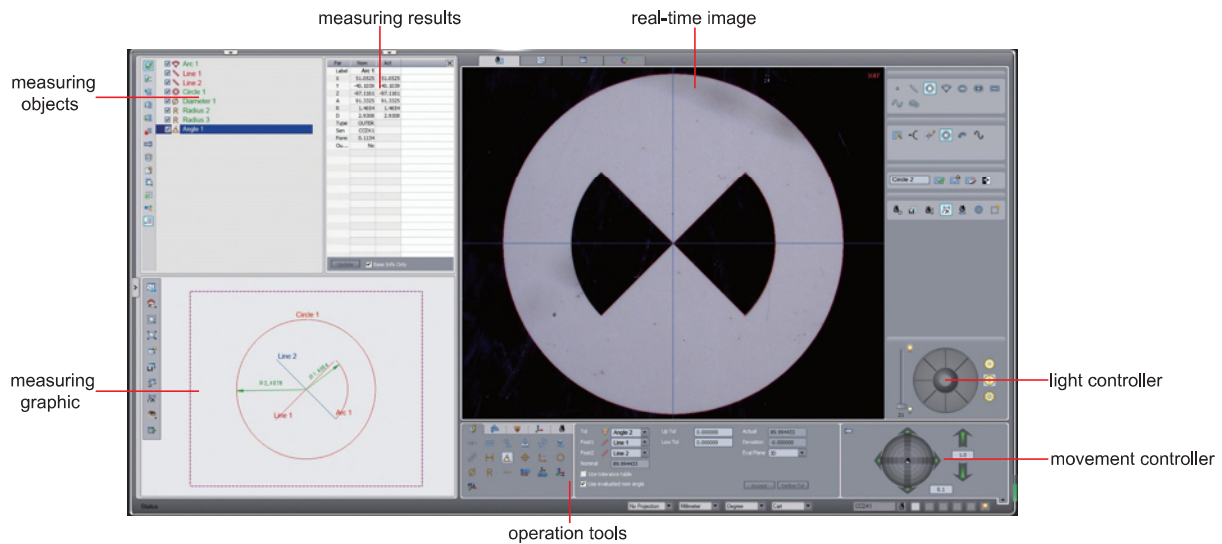
OPTIONAL ACCESSORY

0.5X auxiliary objective	code: ISD-U-OB05X , working distance: 175mm magnification: 18~105X (on 21.5" monitor)	
	code: ISD-U-OB2X , working distance: 36mm magnification: 72~420X (on 21.5" monitor)	
2X auxiliary objective	code: ISD-U-OB2X , working distance: 36mm magnification: 72~420X (on 21.5" monitor)	
Standard probe set [*] (RENISHAW)	code: ISD-Y-PROBE (must be installed in factory) includes MCP probe base, Ø2mm and Ø3mm styli, Ø25mm calibration ball	
Advanced [*] probe set (RENISHAW)	probe base	code: ISD-U-BASE (must be installed in factory)
	probe	code: ISD-U-TP20 , includes Ø2mm styli
	styli	ISQ-20 series (M2) optional, refer to page 573
Probe replacement rack	code: ISD-U-MCR20	
Office software	code: 7313-OFFICE	

* Must purchase standard probe set or advanced probe set

SOFTWARE (INCLUDED)

2D MEASUREMENT



3D MEASUREMENT

