

2D+3D COMPOSITE CNC VISION MEASURING SYSTEMS



programmable segmented ring light (included)



lens with coaxial light (included)



computer is included

ISD-U322

- 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

3D PROBE WITH 3D SOFTWARE FOR 3D MEASUREMENT



standard probe set (optional)



advanced probe set (optional)

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 adjustable LED light			
	contour				
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
Net weight		440kg	560kg	580kg	620kg

STANDARD DELIVERY

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

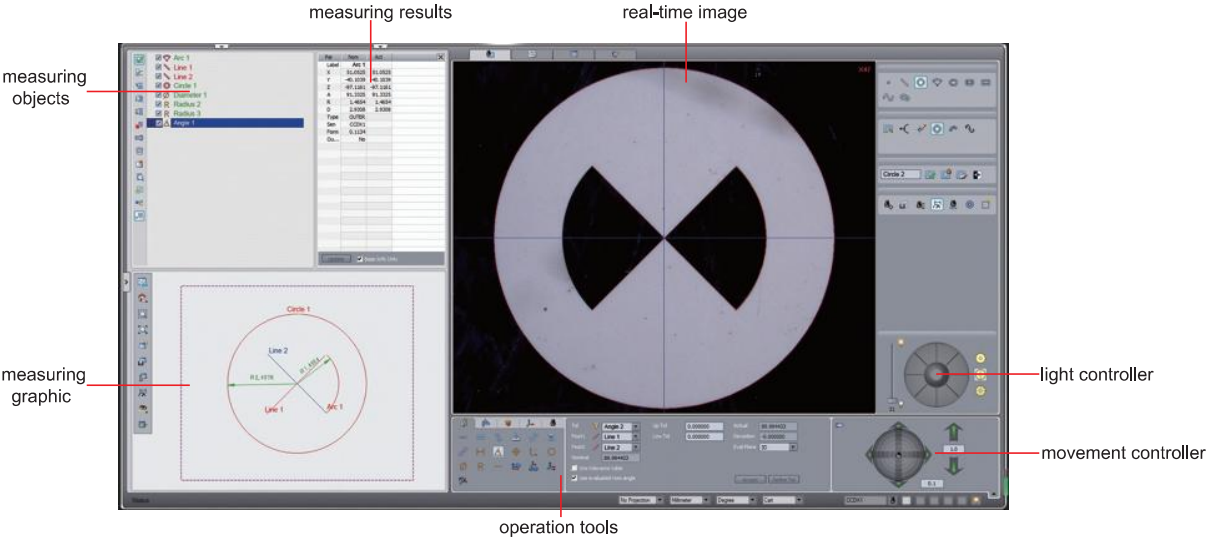
OPTIONAL ACCESSORY

0.5X auxiliary objective		code: ISD-U-OB05X , working distance: 175mm magnification: 18~105X (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-U-MCP (must be installed in factory) includes MCP probe base, Ø2mm and Ø3mm styli, Ø25mm calibration ball
	probe base	code: ISD-U-BASE (must be installed in factory)
	probe	code: ISD-U-TP20 , includes TP20 body, TP20 standard force measurement module, Ø2mm styli
Advanced probe set* (RENISHAW)	styli	ISQ-20 series (M2) optional , refer to
Probe replacement rack		code: ISD-U-MCR20 , includes MCR20 replacement rack, software module
Office software		code: 7313-OFFICE

* Must purchase standard probe set or advanced probe set

SOFTWARE (INCLUDED)

2D MEASUREMENT



3D MEASUREMENT

