

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)



probe (included)



computer is included



advanced probe (optional)

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

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	0.4μm			
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
Probe	1pc
Lens with coaxial light	1pc
Controller	1pc
Computer	1pc
Calibration glass chart	1pc
Laser positioner	1pc
Clay	1pc
Anti-dust cover	1pc

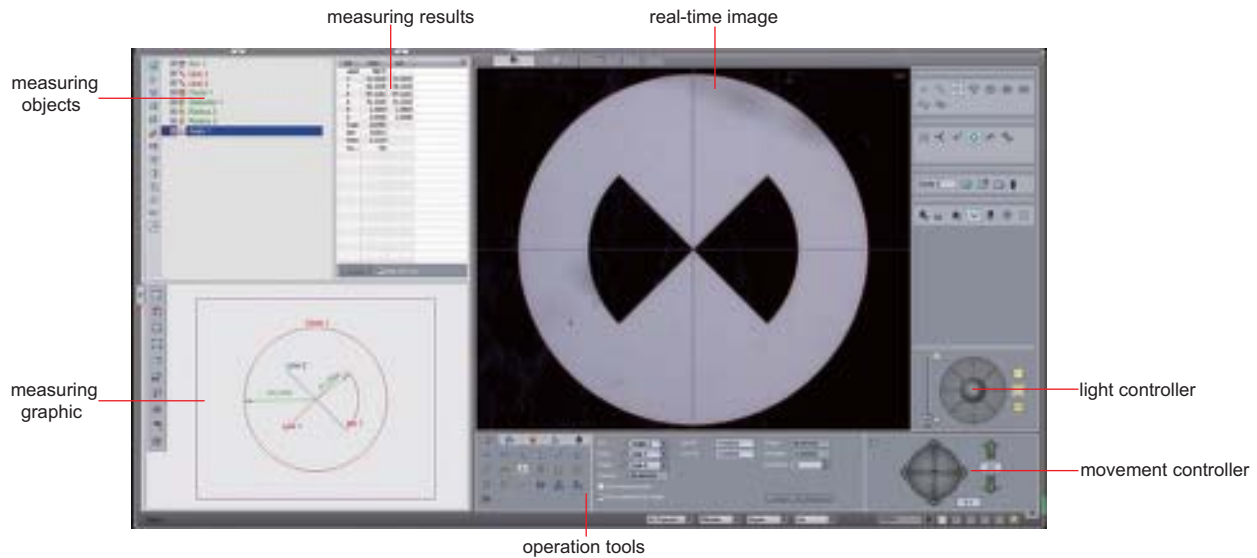
OPTIONAL ACCESSORY

0.5X auxiliary objective		code: ISD-U-OB05X , working distance: 175mm magnification: 18~105X (on 21.5" monitor)
2X auxiliary objective		code: ISD-U-OB2X , working distance: 36mm magnification: 72~420X (on 21.5" monitor)
Advanced probe	probe base	code: ISD-U-BASE
	probe	code: ISD-U-TP20
	styli	ISQ-20 series (M2) optional , refer to page 573
Probe replacement rack		code: ISD-U-MCR20
Office software		code: 7313-OFFICE

* The probe base and probe are Renishaw brand

SOFTWARE (INCLUDED)

2D MEASUREMENT



3D MEASUREMENT

