

2D+3D COMPOSITE CNC VISION MEASURING SYSTEMS



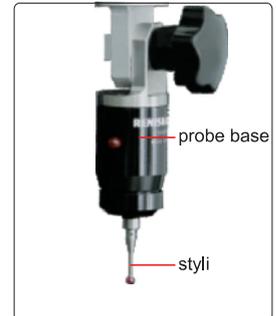
3D PROBE WITH 3D SOFTWARE FOR 3D MEASUREMENT



programmable segmented ring light (included)



lens with coaxial light (included)



standard probe set (optional)



advanced probe (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

Part.No	ISD-U322-U	ISD-U432-U	ISD-U532-U	ISD-U542-U
Measuring range (X×Y×Z)	11.81×7.87×7.87"	15.75×11.81×7.87"	19.68×11.81×7.87"	19.68×15.75×7.87"
Stage size	23.62×15.35"	27.56×19.29"	31.49×19.29"	31.49×23.23"
Glass stage size	13.78×9.84"	17.71×13.78"	21.65×13.78"	21.65×17.71"
Resolution of X/Y/Z axis	19.68μm			
Accuracy (vision)	≤(78.7+5L)μm (L is the measuring length in inch)			
Accuracy (probe)	≤(118.1+5L)μm (L is the measuring length in inch)			
Repeatability	59.05μm			
Objective	0.7X~4.5X (zoom)			
Working distance	2.16"			
View field (diagonal length)	.05~.31"			
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	7.68"			
Max. weight of workpiece	44lb	66lb	77lb	77lb
Operation system	Windows 10/11			
Drive method	automatic			
Power supply	110V, 50/60Hz			
Dimension (L×W×H)	55.12×35.43×70.08"	62.99×44.09×77.08"	64.96×44.09×77.08"	64.96×48.03×77.08"
Weight	970lb	1234lb	1278lb	1366lb

STANDARD DELIVERY

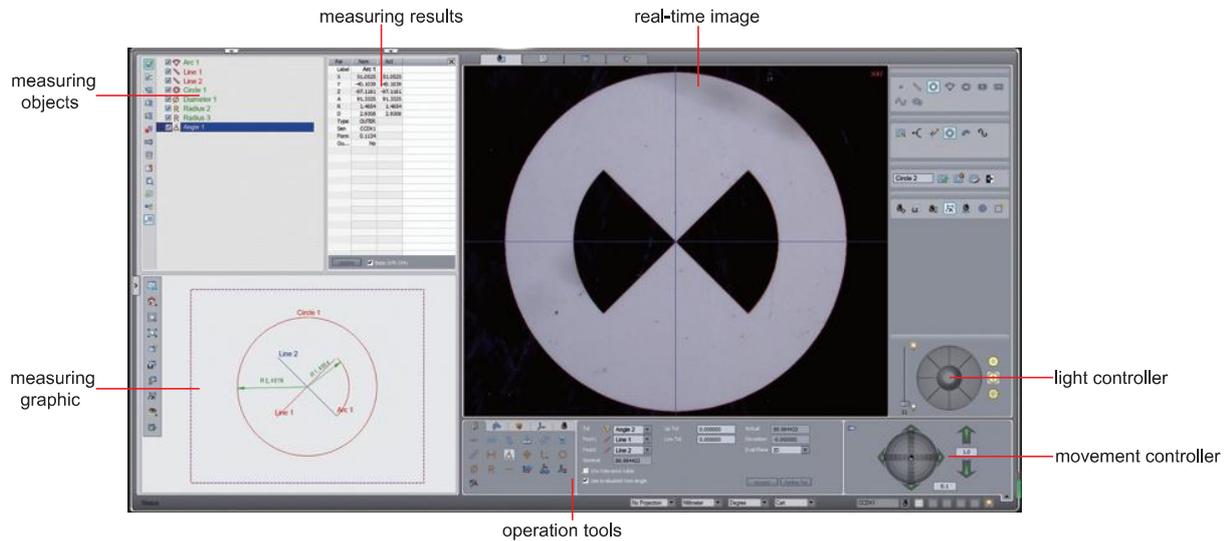
Main unit	1pc
Dongle	1pc
Software	1pc
Lens with coaxial light	1pc
Controller	1pc
Computer	1pc
Calibration glass chart	1pc
Laser positioner	1pc
Clay	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

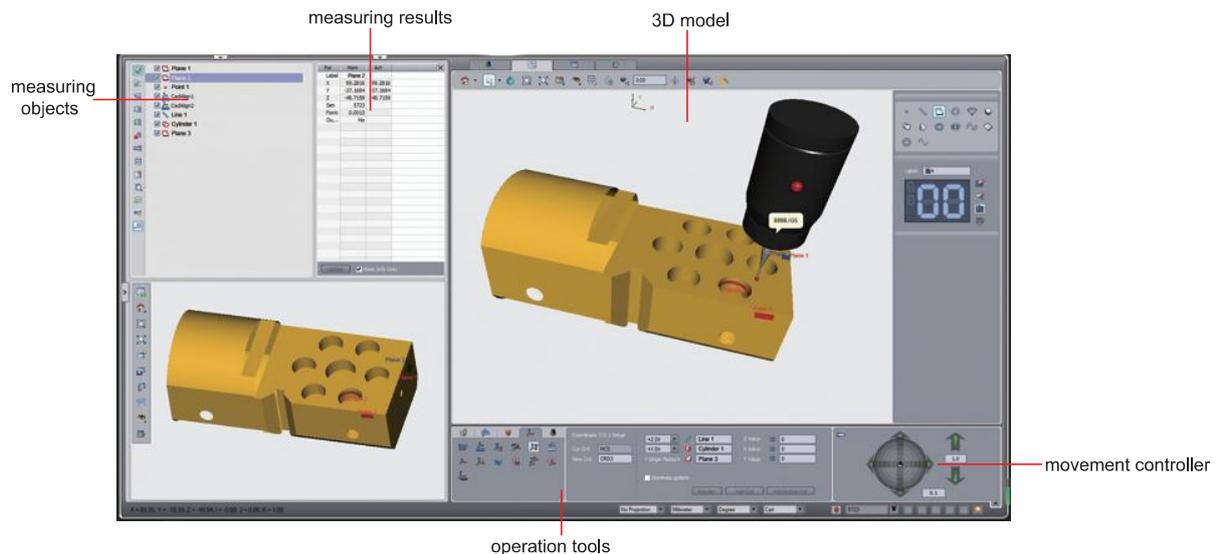
0.5X auxiliary objective	code: ISD-U-OB05X , working distance: 6.89" magnification: 18~105X (on 21.5" monitor)	
	code: ISD-U-OB2X , working distance: 1.42" magnification: 72~420X (on 21.5" monitor)	
2X auxiliary objective	code: ISD-U-OB2X , working distance: 1.42" magnification: 72~420X (on 21.5" monitor)	
Standard probe set (RENISHAW)	code: ISD-U-MCP (must be installed in factory) includes MCP probe base, .079" DIA and .118" DIA styli, .984" DIA calibration ball	
Advanced probe set (RENISHAW)	probe base	code: ISD-U-BASE (must be installed in factory)
	probe	code: ISD-U-TP20 , includes .079" DIA styli
	styli	ISQ-20 series (M2) optional , refer to page 573
Probe replacement rack	code: ISD-U-MCR20	
Office software	code: 7313-OFFICE	

SOFTWARE (INCLUDED)

2D MEASUREMENT



3D MEASUREMENT



* Must purchase standard probe set or advanced probe set