

CNC VISION MEASURING SYSTEMS



ISD-G1518

- 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-G608	ISD-G1012	ISD-G1518
Measuring range (X×Y×Z)		600×800×200mm	1000×1200×200mm	1500×1800×200mm
Glass stage size		700×900mm	1100×1300mm	1600×1900mm
Resolution of X/Y/Z axis		0.5μm		
Accuracy of X/Y axis		≤(3.5+L/200)μm (L is the measuring length in mm)		≤(4.5+L/200)μm (L is the measuring length in mm)
Repeatability of X/Y axis		3μm		
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, 2M pixel		
Illumination	contour	programmable segmented ring light		
	surface	adjustable LED light		
Max. height of workpiece		200mm		
Max. weight of workpiece		35kg		
Operation system		Windows 10/11		
Drive method		automatic		
Power supply		220V, 50/60Hz		
Dimension (L×W×H)		1220×1520×1600mm	1620×1920×1600mm	2120×2520×1600mm
Weight		1380kg	2500kg	4000kg

STANDARD DELIVERY

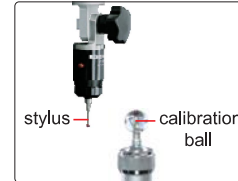
Main unit	1 pc
Software	1 pc
Dongle	1 pc
Controller	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc



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-G-SCS (must be installed in factory)
Vision measuring system with coaxial light lens	code: ISD-G608L, ISD-G1012L, ISD-G1518L
Office software	code: 7313-OFFICE



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



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



lens with coaxial
light (**optional**)

SOFTWARE (INCLUDED)

The screenshot displays the ISD software interface with various components labeled:

- real-time image**: The main window showing a live camera feed of a circular object with a crosshair.
- light controller**: A panel on the right side of the interface with buttons for controlling the light source.
- measuring graphic**: A panel on the right side showing a 2D measurement diagram with dimensions and angles.
- X/Y/Z axis**: A panel on the left side showing the current coordinates of the measurement point.
- measuring results**: A table at the bottom left showing measurement data, including coordinates, dimensions, and tolerances.
- measuring tools**: A panel at the bottom center showing various measurement tools and functions.
- measuring objects**: A panel at the bottom right showing the list of measured objects and their properties.