

CNC VISION MEASURING SYSTEM



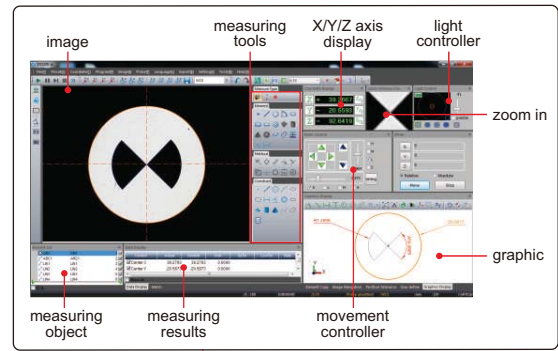
lens with coaxial light (included)



programmable segmented ring light (included)



ISD-V220CNC



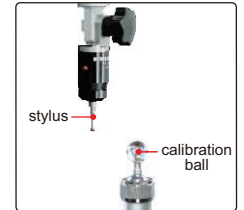
image, measuring tools, X/Y/Z axis display, light controller, zoom in, graphic, measuring object, measuring results, movement controller



computer is not included



controller



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



software CD (included)

- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement

SPECIFICATION

Code	ISD-V220CNC**	ISD-V270CNC**	ISD-V370CNC**
Measuring range (X×Y×Z)	220×120×150mm	270×170×150mm	370×270×150mm
Stage size	450×280mm	500×330mm	606×466mm
Glass stage size	306×196mm	350×250mm	450×350mm
Resolution of X/Y/Z axis	0.5µm		
Accuracy of X/Y axis	≤(2.5+L/100)µm (L is the measuring length in mm)		
Repeatability of X/Y axis	2µm		
Objective	0.7X~4.5X (zoom)		
Working distance	92mm		
Magnification	20X~128X (on 19.5" monitor)		
Camera	1/2" color CCD, 0.4M pixel		
Illumination	surface	coaxial light, programmable segmented ring light	
	contour	adjustable LED light	
View field (diagonal length)	1.7~11.1mm		
Max. height of workpiece	160mm		
Max. weight of workpiece	30kg		
Operation system	Windows 7/8/10		
Drive method	Automatic		
Power supply	220V, 50/60Hz**		
Dimension (L×W×H)	760×600×900mm	760×600×900mm	970×670×940mm
Weight	146kg	168kg	266kg

** Add "-U" on code NO. when power supply is 110V, 50/60HZ

STANDARD DELIVERY

Main unit	1 pc
Video card with dongle	1 pc
Software disc	1 pc
Len with coaxial light	1 pc
Controller	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-V-OB05X Working distance: 175mm Magnification: 10~64X (on 19.5" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 36mm Magnification: 40~256X (on 19.5" monitor)
Probe	Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
CNC vision measuring system with computer	Code: ISD-V220CNCA** ISD-V270CNCA** ISD-V370CNCA**


SOFTWARE


■ **Operation system:** Windows 7/8/10


■ **Language:** English


■ **Single measuring tools:**


 measure coordinate of point


 measure distance of two elements


 measure focus distance of surface


 measure center coordinate and axis length of ellipse


 measure center coordinate, diameter and area of circle


 measure length, width and diameter of key slot


 measure length, width and area of rectangle


 measure distance between two points

 measure width and diameter of ring

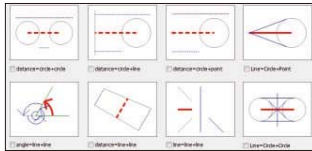
 measure length and area of closed curve

 measure length and diameter of arc

 measure length of open curve

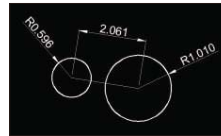
 measure angle of two lines

■ **Combined measuring tools:**



measure distance and angle of two elements

■ **Data export to CAD, EXCEL and WORD:**



CAD

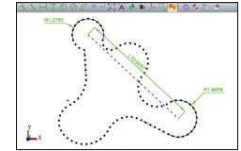


EXCEL



WORD

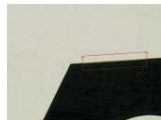
■ **Contour scanning:**



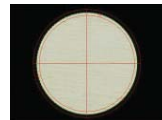
■ **Edge-detection:**



Point tool

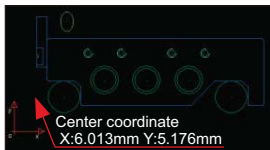


Box tool



Circle tool

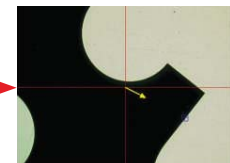
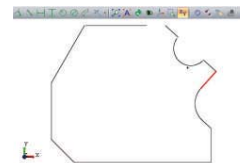
■ **Coordinate transfer:**



■ **Profile detection:**



■ **CAD measuring:**



Input CAD drawing and set reference, move the stage to make the target box in the center of crosshair, then the software will do automatic measurement