

CNC VISION MEASURING SYSTEM



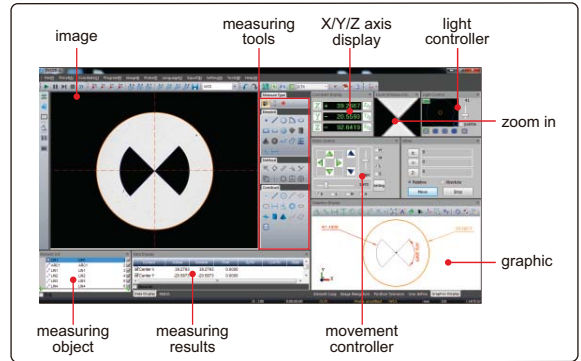
lens with coaxial light (included)



programmable segmented ring light (included)



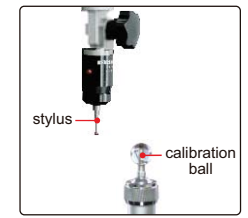
ISD-V220CNC



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	110/220V, 50/60Hz		
Dimension (L×W×H)	760×600×900mm	760×600×900mm	970×670×940mm
Weight	146kg	168kg	266kg

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

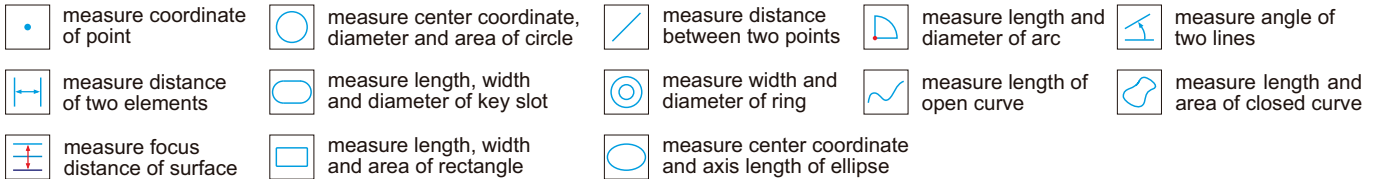
0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 175mm Magnification: 10~64X (on 19.5" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 36mm Magnification: 40~256X (on 19.5" monitor)
Probe	Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
CNC vision measuring system with computer	Code: ISD-V220CNCA, ISD-V270CNCA, ISD-V370CNCA

To be continued

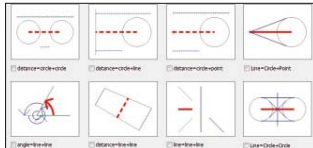
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SOFTWARE

- **Operation system:** Windows 7/8/10
- **Language:** English
- **Single measuring tools:**

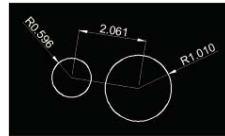


■ Combined measuring tools:

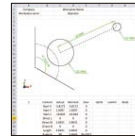


measure distance and angle of two elements

■ Data export to CAD, EXCEL and WORD:



CAD

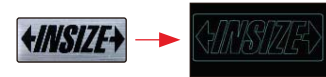


EXCEL

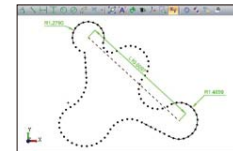


WORD

■ Profile detection:



■ Contour scanning:



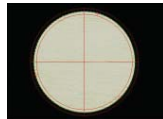
■ Edge-detection:



Point tool



Box tool

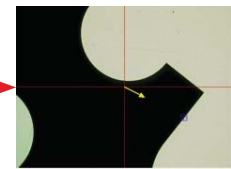
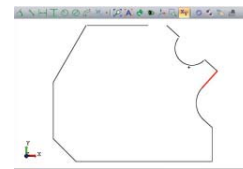


Circle tool

■ Coordinate transfer:



■ 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