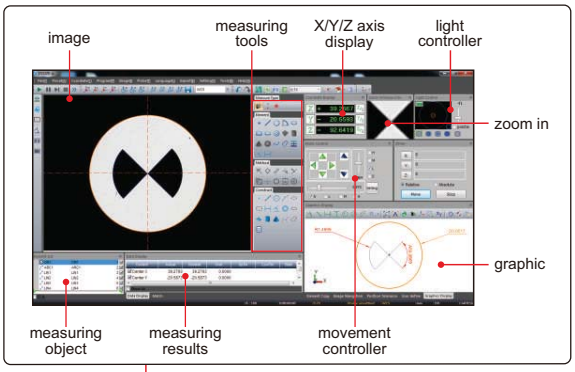
CNC VISION MEASURING SYSTEM

INSPECTION CERTIFICATE



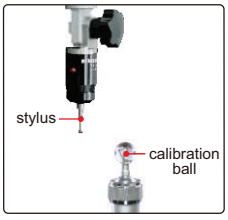
lens with coaxial light (included)

programmable segmented ring light (included)

ISD-V220CNC

computer is not included

controller



probe (**optional**), includes Ø2mm/.079" DIA and Ø3mm/.118" DIA styli, Ø25mm/.984" calibration ball, measuring accuracy is .0004"

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

Part No.		ISD-V220CNC-U**	ISD-V270CNC-U**	ISD-V370CNC-U**
Measuring range (X×Y×Z)		8.66×4.72×5.90"	10.63×6.69×5.90"	14.57×10.63×5.90"
Stage size		17.72×11.02"	19.69×12.99"	23.86×18.35"
Glass stage size		12.05×7.72"	13.78×9.84"	17.72×13.78"
Resolution of X/Y/Z axis		.00002"		
Accuracy of X/Y axis		≤(98.4+10L)μin (L is the measuring length in inch)		
Repeatability of X/Y axis		.00008"		
Objective		0.7X~4.5X (zoom)		
Working distance		3.62"		
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		
View field (diagonal length)		.07~.44"		
Max. height of workpiece		6.30"		
Max. weight of workpiece		66lb		
Operation system		Windows 7/8/10		
Drive method		Automatic		
Power supply		110V, 50/60Hz**		
Dimension (L×W×H)		29.92×23.62×35.43"	29.92×23.62×35.43"	38.19×26.38×37.01"
Weight		322lb	370lb	586lb

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	Part No. **ISD-V-OB05X** Working distance: 6.89" Magnification: 10~64X (on 19.5" monitor)
2X auxiliary objective	Part No. **ISD-V-OB2X** Working distance: 1.42" Magnification: 66~390X (on 19.5" monitor)
Probe	Part No. **ISD-V-PROBE** includes Ø2mm/.079" DIA and Ø3mm/.118" DIA styli, Ø25mm/.984" calibration ball
CNC vision measuring system with computer	Part No. **ISD-V220CNCA-U**** **ISD-V270CNCA-U**** **ISD-V370CNCA-U**

To be continued

Continued from previous page

SOFTWARE

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

measure coordinate of point

measure center coordinate, diameter and area of circle

measure distance between two points

measure length and diameter of arc

measure distance of two elements

measure length, width and diameter of key slot

measure width and diameter of ring

measure length of open curve

measure focus distance of surface

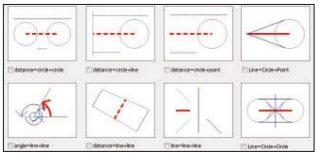
measure length, width and area of rectangle

measure length and area of closed curve

measure angle of two lines

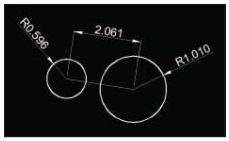
measure center coordinate and axis length of ellipse

- **Combined measuring tools:**

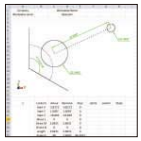


measure distance and angle of two elements

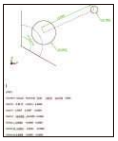
- **Data export to CAD, EXCEL and WORD:**



CAD

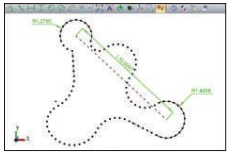


EXCEL



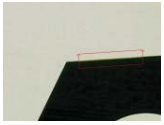
WORD

- **Contour scanning:**

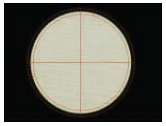


- **Edge-detection:**

Point tool

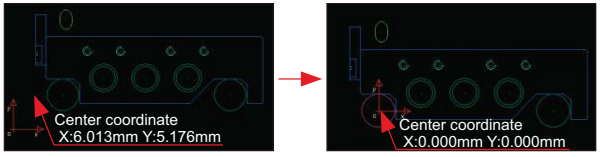


Box tool



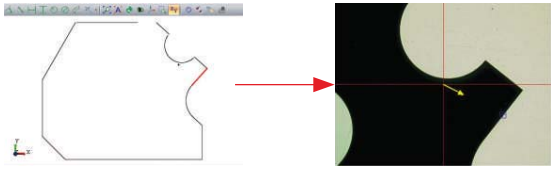
Circle tool

- **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