

## VISION MEASURING SYSTEMS

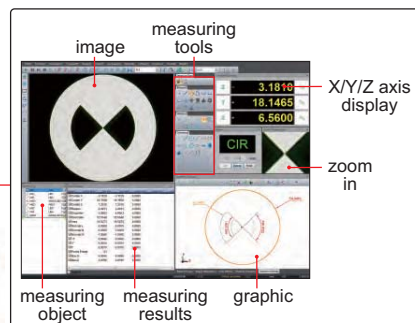


lens with coaxial light (optional, must be installed in factory)



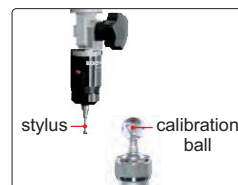
ISD-V250A

computer is included



### SPECIFICATION

Code	ISD-V150A	ISD-V250A	ISD-V300A	ISD-V400A
Measuring range (X×Y×Z)	150×100×200mm	250×150×200mm	300×200×200mm	400×300×200mm
Stage size	354×228mm	450×280mm	500×330mm	606×466mm
Stage glass size	210×160mm	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	33X~195X (on 19" monitor)			
Camera	1/3" color CCD, 0.3M pixel			
Illumination	surface and contour with adjustable LED			
Max. height of workpiece	160mm			
Max. weight of workpiece	20kg			
Operation system	Windows 7/8/10			
Drive method	manual			
Power supply	110/220V, 50/60Hz			
Dimension (L×W×H)	560×540×850mm	760×600×900mm	760×600×900mm	970×670×940mm
Weight	100kg	120kg	140kg	240kg



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

### STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Foot switch	1 pc
Anti-dust cover	1 pc

### 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 of two elements



measure length, width and diameter of key slot



measure focus distance of surface



measure length, width and area of rectangle



measure distance between two points



measure length and diameter of arc



measure width and diameter of ring



measure length and area of closed curve



measure angle of two lines



measure center coordinate and axis length of ellipse



measure length of open curve

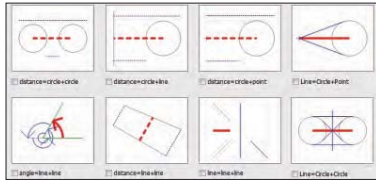
### OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 175mm Magnification: 16.5~97.5X (on 19" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 36mm Magnification: 66~390X (on 19" monitor)
Probe	Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Vision measuring system with coaxial light lens (with computer)	Code: ISD-V150ACL, ISD-V250ACL, ISD-V300ACL, ISD-V400ACL

To be continued

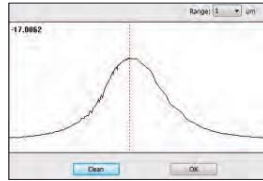
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## Combined measuring tools:

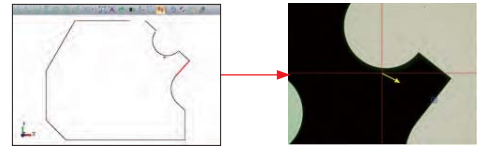


measure distance and angle of two elements

## Focus indicator:

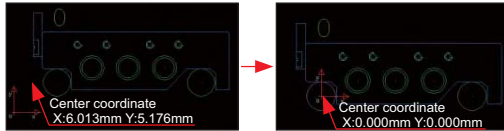


## CAD measuring:

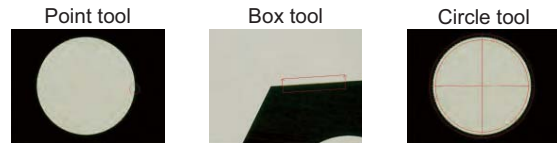


Input CAD drawing and set reference, move the stage to make the target box in the center of crosshair, then the software will do automatic measurement

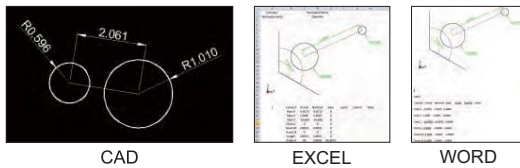
## Coordinate transfer:



## Edge-detection:



## Data export to CAD, EXCEL and WORD:



## Contour scanning:

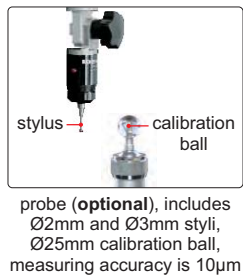


## Profile detection:

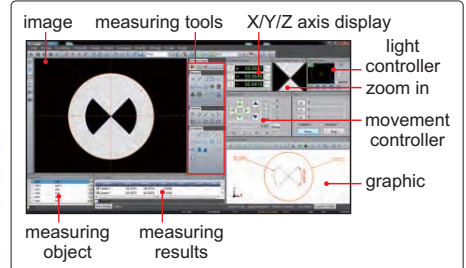


## CNC VISION MEASURING SYSTEMS

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ISD-V220CNCA



computer is included



controller

## STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Controller	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Anti-dust cover	1 pc

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

To be continued

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## SPECIFICATION

Code		ISD-V220CNCA **	ISD-V270CNCA **	ISD-V370CNCA **
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

## OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: <b>ISD-V-OB05X</b> Working distance: 175mm Magnification: 10~64X (on 19.5" monitor)
2X auxiliary objective	Code: <b>ISD-V-OB2X</b> Working distance: 36mm Magnification: 40~256X (on 19.5" monitor)
Probe	Code: <b>ISD-V-PROBE</b> Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball

## SOFTWARE

■ Operation system: Windows 7/8/10

■ Language: English

■ Single measuring tools:



measure distance between two points



measure length and area of closed curve



measure coordinate of point



measure length and diameter of arc



measure center coordinate and axis length of ellipse



measure angle of two lines



measure width and diameter of ring



measure length, width and diameter of key slot



measure distance of two elements



measure focus distance of surface



measure length, width and area of rectangle

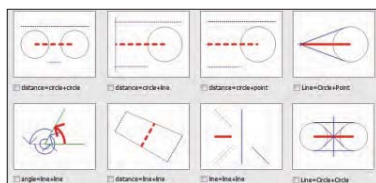


measure length of open curve



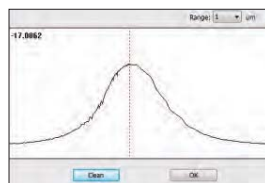
measure center coordinate, diameter and area of circle

■ Combined measuring tools:



measure distance and angle of two elements

■ Focus indicator:



■ 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

■ Edge-detection:

Point tool



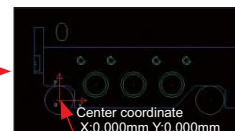
Box tool



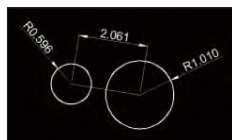
Circle tool



■ Coordinate transfer:



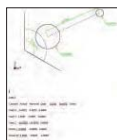
■ Data export to CAD, EXCEL and WORD:



CAD



EXCEL



WORD

■ Contour scanning:



■ Profile detection:

