

VISION MEASURING SYSTEM CODE ISD-A100-P

**INSPECTION
CERTIFICATE**

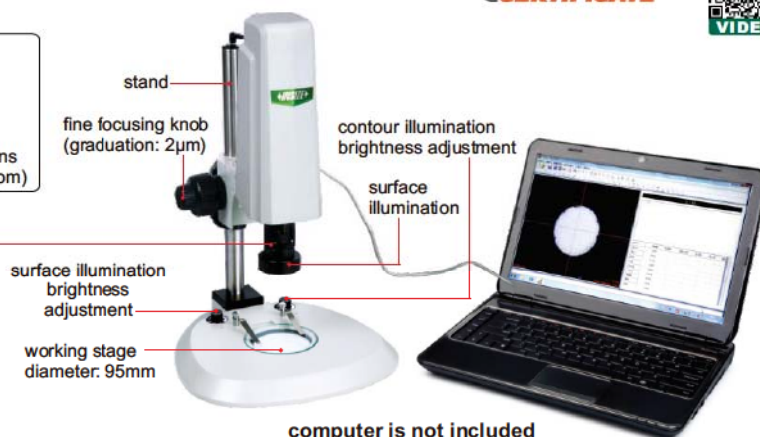

- Measures small workpiece (less than 15mm) easily and accurately



software CD (included)


 step-zoom lens
0.75X~5X (zoom)


X-Y stage (included)


 calibration block
(included)


SPECIFICATION

Objective	0.75X~5X (zoom)	
Auxiliary objective	1X (included)	0.5X (included)
Focus distance	82mm	175mm
View field (diagonal length)	1.15mm~7.5mm	2.3mm~15mm
Magnification (19" widescreen display)	44X~280X	22X~140X
Camera	CMOS (color)	
Resolution (pixel)	1280×1024 (1.3M)	
Output	USB2.0	
Accuracy	4μm	
Repeatability	2μm	
Illumination	surface: adjustable ring LED contour: adjustable LED	
Power supply	220V, 50/60Hz **	
Dimension (L×W×H)	300×350×450mm	
Weight	2.8kg	

STANDARD DELIVERY

Main unit	1pc
Software disc	1pc
X-Y stage (travel: 74×60mm)	1pc
Calibration block	1pc
0.5X auxiliary objective	1pc
1X auxiliary objective	1pc
Ø95mm glass plate	1pc
Ø95mm white/black plate	1pc
Anti-dust cover	1pc

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

SOFTWARE

- Operation system: Windows 7/8/10
- Language: English, Chinese
- Output to CAD, EXCEL and WORD
- Input CAD, to compare with workpieces

- coordinate transform

Focus indicator:



fast and accurately find the focus distance, eliminate the visual error

Single measuring tools:



measure coordinate of point



measure center coordinate, radius, diameter and area of circle



measure length of line



measure length and diameter of arc

Combined measuring tools:



find midpoint of a line



measure angle between two lines



measure distance from point to line



measure distance from circle to line



measure distance between two lines



measure distance between two circles



find tangent lines between two circles



measure distance between two points



find angular bisector between two lines



find tangent lines between point and circle



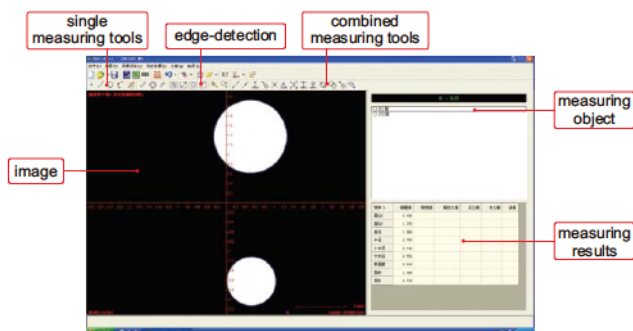
find intersection points between two circles



measure intersection point between two lines



find intersection points between circle and line

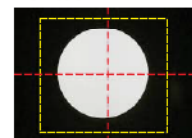


Edge-detection:

Point tool



Box tool



Circle tool



SPECIFICATION

Code	ISD-V150	ISD-V250	ISD-V300
Measuring range (X×Y×Z)	150×100×200mm	250×150×200mm	300×200×200mm
Stage size	354×228mm	450×280mm	500×330mm
Stage glass size	210×160mm	306×196mm	350×250mm
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, 1.5M pixel		
Illumination	surface and contour with adjustable LED		
Max. height of workpiece	160mm		
Max. weight of workpiece	20kg		
Operation system	Windows 7		
Drive method	manual		
Power supply	110/220V, 50/60Hz		
Dimension (L×W×H)	560×540×850mm	760×600×900mm	760×600×900mm
Weight	100kg	120kg	140kg

STANDARD DELIVERY

Main unit	1pc
Video card with dongle	1pc
Software disc	1pc
Calibration glass chart	1pc
Laser positioner	1pc
Clay	1pc
Foot switch	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

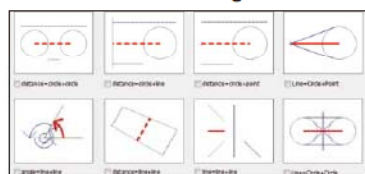
0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 175mm Magnification: 16.5~97.5X (on 19" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 36mm Magnification: 66~390X (on 19" monitor)
Probe	Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Lens with coaxial light	Code: ISD-V-LENS (must be installed in factory)
Vision measuring system with computer	Code: ISD-V150A, ISD-V250A, ISD-V300A

SOFTWARE

- Operation system: Windows 7
- Language: English
- Single measuring tools:

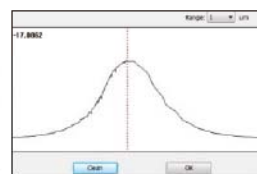
measure coordinate of point	measure center coordinate, diameter and area of circle	measure distance between two points	measure length and diameter of arc	measure angle of two lines
measure distance of two elements	measure length, width and diameter of key slot	measure width and diameter of ring	measure length of open curve	measure length and area of close curve
measure focus distance of surface	measure length, width and area of rectangle	measure center coordinate and axis length of ellipse		

Combined measuring tools:

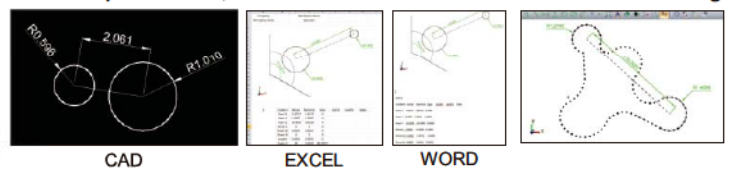


measure distance and angle of two elements

Focus indicator:



Data export to CAD, EXCEL and WORD:



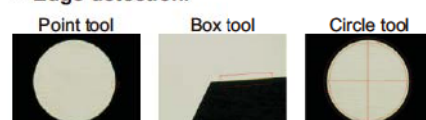
Contour scanning:



Coordinate transfer:



Edge-detection:



Profile detection:



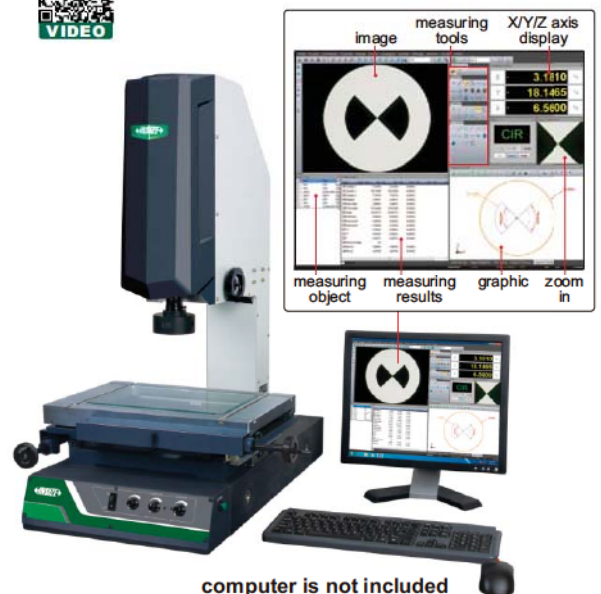
CAD measuring:



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

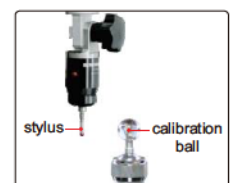


VISION MEASURING SYSTEM



ISD-V250

computer is not included



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



software CD (included)



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