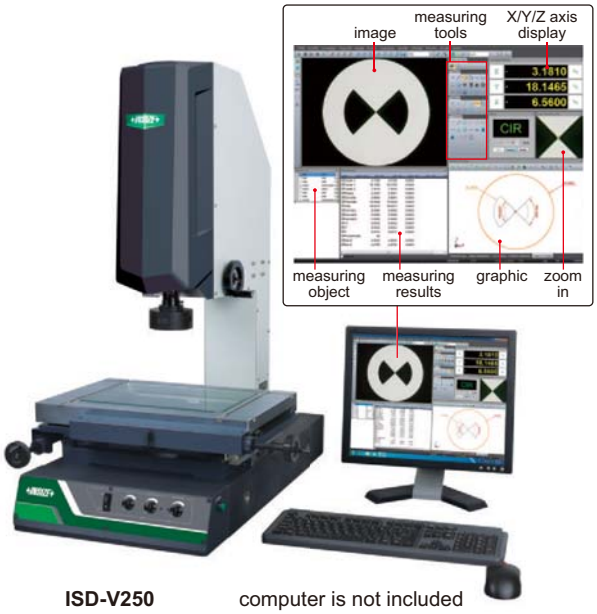
VISION MEASURING SYSTEM

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



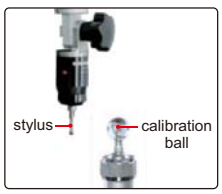
ISD-V250 computer is not included

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)



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

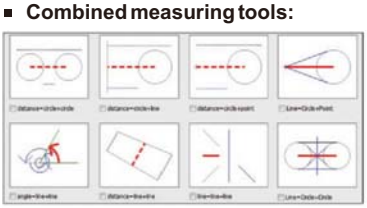
lens with coaxial light (optional, must be installed in factory)

SOFTWARE

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

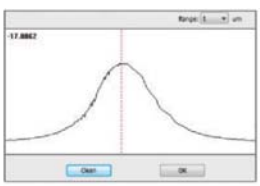
measure coordinate of point
measure center coordinate, diameter and area of circle
measure distance between two points
measure length and diameter of arc
measure angle of two lines
measure distance of two elements
measure length, width and diameter of key slot
measure width and diameter of ring
measure 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:**

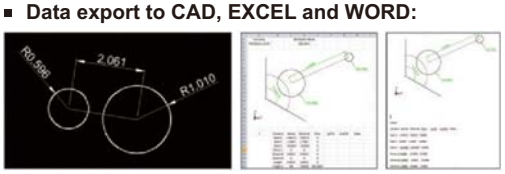


measure distance and angle of two elements

- **Focus indicator:**

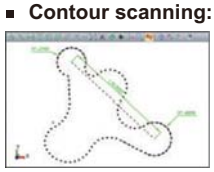


- **Data export to CAD, EXCEL and WORD:**

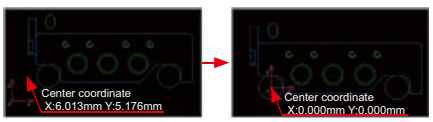


CAD EXCEL WORD

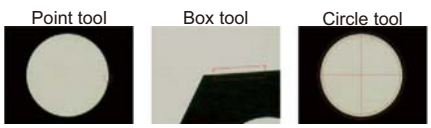
- **Contour scanning:**



- **Coordinate transfer:**

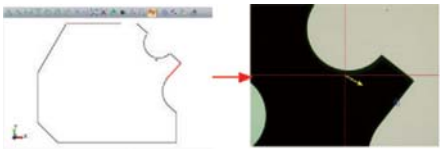


- **Edge-detection:**



- **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