Continued from previous page

STANDARD DELIVERY

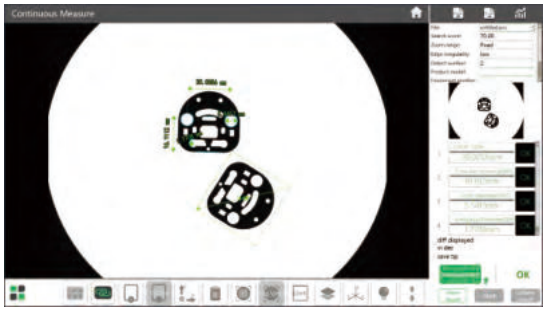
Main unit	1 pc
Computer	1 pc
Software	1 pc

OPTIONAL ACCESSORY

Coaxial light illumination	QMS-23-A1
Data transimission function of software	QMS-23-D
CAD import function of software	QMS-23-C
Laser sensor (only for QMS-A315)	QMS-43-SJ
Foot-switch	QMS-43-FS

Software (included)

- Automatically measure widths, holes, rings, angles at the same time, simple and efficient.



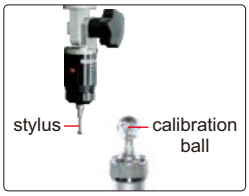
- Measuring result can be stored automatically. OK items and NG items can be counted automatically.

INSPECTION CERTIFICATE

HIGH-DEFINITION VISION MEASURING SYSTEMS

17

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



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

ISD-H210 **computer is included**

VIDEO

- High-definition image
- Large view field
- Electronic magnification feedback lens: when the objective lens magnification is changed manually, the software automatically selects the corresponding pre-calibration data and calibration is not needed

To be continued

Continued from previous page

SPECIFICATION

Code	ISD-H210	ISD-H320	ISD-H430
Measuring range (X×Y×Z)	200×100×150mm	300×200×150mm	400×300×150mm
Stage size	404×228mm	500×330mm	606×466mm
Glass stage size	260×160mm	350×250mm	450×350mm
Resolution of X/Y/Z axis	0.5μm		
Accuracy of X/Y axis	≤(3.5+L/100)μm (L is the measuring length in mm)		
Repeatability of X/Y axis	2μm		
Objective	0.58X~7.5X (zoom)		
View field (diagonal length)	1.4mm~14mm		
Working distance	82mm		
Magnification	27.4X~351X (on 24" monitor)		
Camera	Giga-bit network camera		
Illumination	surface and contour with adjustable LED		
Max. height of workpiece	150mm		
Max. weight of workpiece	20kg		
Operation system	Windows 7/8/10		
Drive method	manual		
Power supply	110~240V, 50/60Hz		
Dimension (L×W×H)	540×560×850mm	760×600×900mm	970×670×940mm
Weight	110kg	140kg	240kg

STANDARD DELIVERY

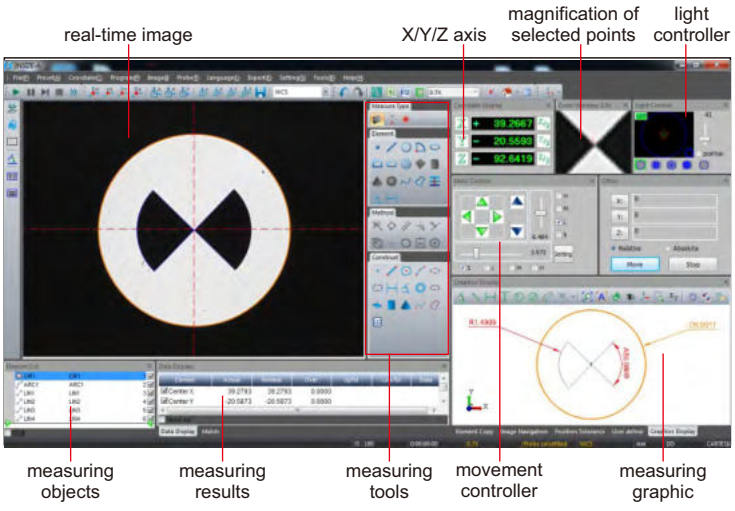
Main unit	1 pc
Computer	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Foot switch	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: **ISD-H-OB05X** Working distance: 155mm Magnification: 13.7~175.5X (on 24" monitor)
2X auxiliary objective	Code: **ISD-H-OB2X** Working distance: 34.5mm Magnification: 54.8~702X (on 24" monitor)
Probe	Code: **ISD-V-PROBE** Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Vision measuring system with coxial light lens	Code: **ISD-H210CL,** **ISD-H320CL,** **ISD-H430CL**
Office software	Code: **7313-OFFICE**

SOFTWARE (INCLUDED)

- Refer to page 399~400 for details

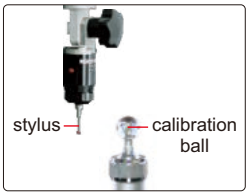


INSPECTION CERTIFICATE

VISION MEASURING SYSTEMS

VIDEO

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



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

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
Glass stage size	210×160mm	306×196mm	350×250mm	450×350mm
Resolution of X/Y/Z axis	0.5μm			
Accuracy of X/Y axis	≤(3.5+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	200mm			
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

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

OPTIONAL ACCESSORY

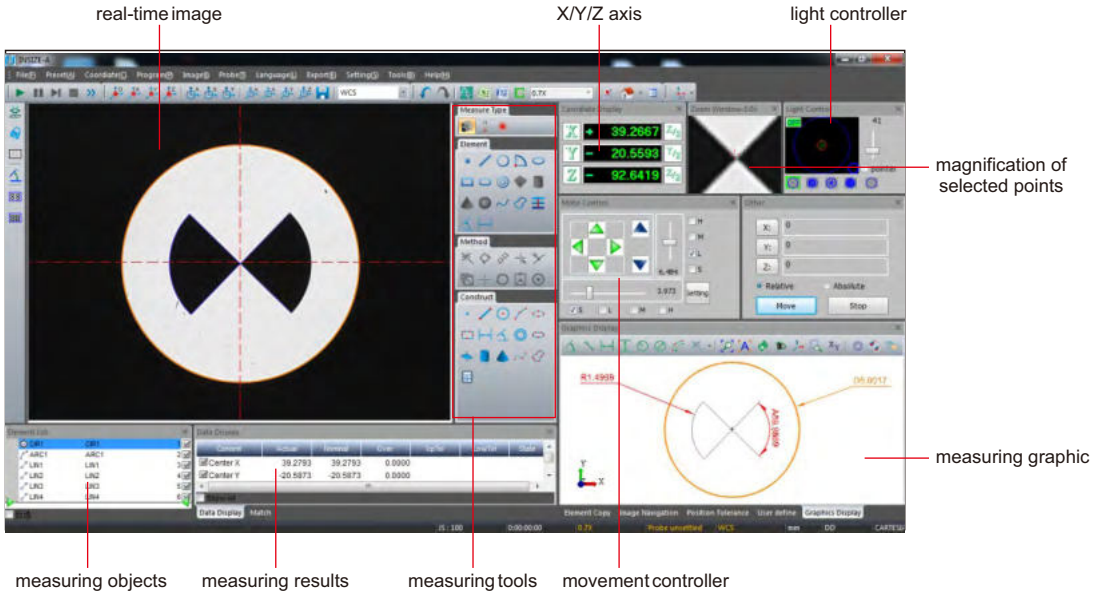
0.5X auxiliary objective	Code: **ISD-V-OB05X** Working distance: 175mm Magnification: 16.5~97.5X (on 19" monitor)
2X auxiliary objective	Code: **ISD-V-OB2X** Working distance: 36mm Magnification: 66~390X (on 19" monitor)
Probe	Code: **ISD-V-PROBE** Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Vision measuring system with coxial light lens (with computer)	Code: **ISD-V150ACL, ISD-V250ACL, ISD-V300ACL, ISD-V400ACL**
Office software	Code: **7313-OFFICE**

To be continued

Continued from previous page

SOFTWARE (INCLUDED)

- Refer to page 399~400 for details



CNC VISION MEASURING SYSTEMS

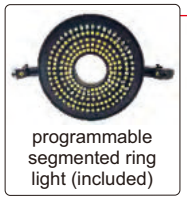
INSPECTION CERTIFICATE

MOTORIZED ZOOM LENS IS OPTIONAL


software CD (included)

VIDEO

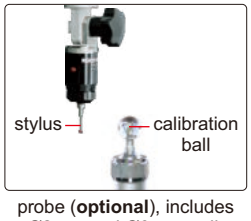

lens with coaxial light (included)


programmable segmented ring light (included)

- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
- Servo motors for X, Y, Z axis
- SPC function for large quantity measurement
- Measuring software is included (page 399~400)

STANDARD DELIVERY

Main unit	1 pc
Video card with dongle	1 pc
Software disc	1 pc
Computer	1 pc
24" Display	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



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

To be continued

Continued from previous page

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)		≤(3.5+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		33.0X~208.6X (on 24" monitor)		
Camera		Giga-bit network camera		
Illumination	surface	coaxial light, programmable segmented ring light		
	contour	adjustable LED light		
View field (diagonal length)		1.5~10.8mm		
Max. height of workpiece		150mm		
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

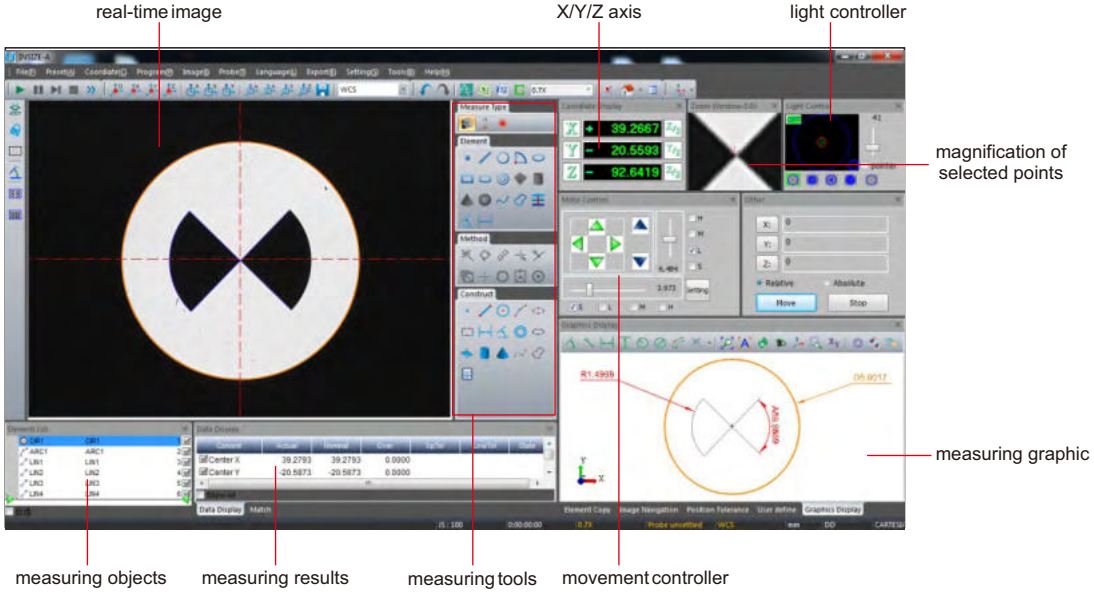
OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: **ISD-V-OB05X** Working distance: 175mm Magnification: 16.5~104.3X (on 24" monitor)
2X auxiliary objective	Code: **ISD-V-OB2X** Working distance: 36mm Magnification: 66~417.2X (on 24" monitor)
Probe	Code: **ISD-V-PROBE** Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Office software	Code: **7313-OFFICE**
Desk	Code: **ISD-V-DESK**

desk (**optional**)

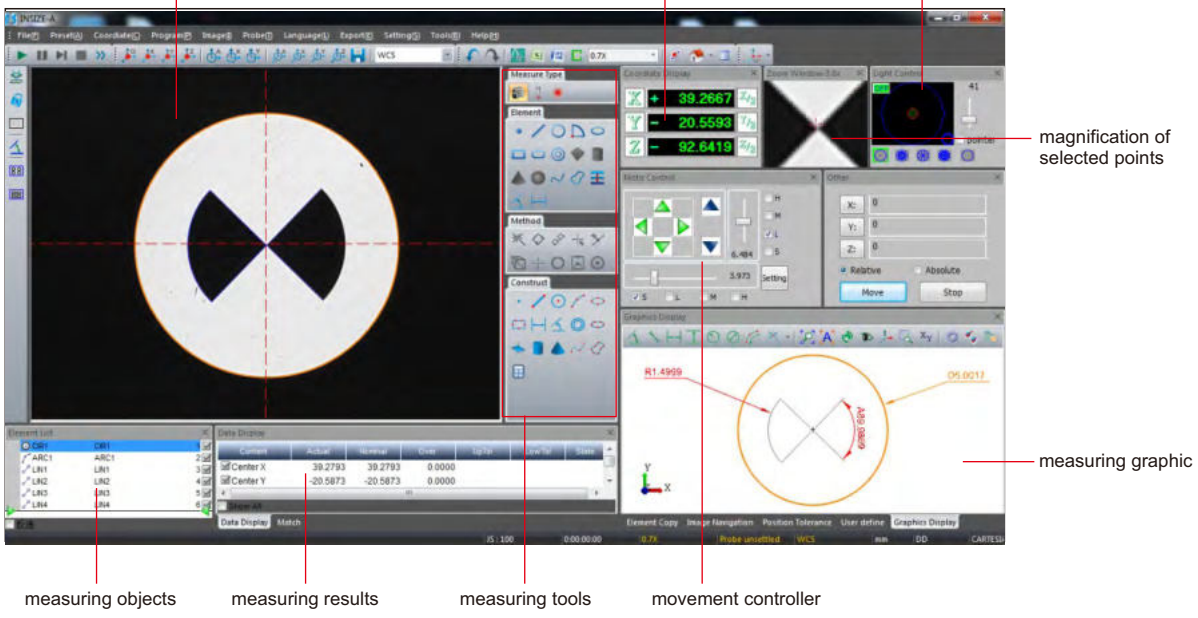
SOFTWARE (INCLUDED)

- Refer to page 399~400 for details



VISION MEASURING SOFTWARE

SOFTWARE FOR VISION MEASURING SYSTEMS ISD-V SERIES, ISD-H SERIES AND ISD-VMM SERIES



- Operation system: Windows 7/10
- Language: English
- Control features: assistant focus (manual machines), auto focus (CNC machines), auxiliary light control, motion controlled by mouse (CNC machines), auto zoom lens (CNC machines)
- Image measuring methods: intelligent automatic edge detect, select points of an area, select points from multiple parts, select points via mouse, select adjacent points, select points via cross line, magnify to select points, comparatively select points, select points via probe, edge point, contour point
- Constructable elements: point, line, circle, arc, ellipse, rectangle, distance, angle, ring, slot, plane, cone, open curve, closed curve
- Support fixture (CNC machines), scanning, image navigation, user define, pixel calibration
- Measuring by image and probe, image and probe can be synchronized
- Measuring data can export to Excel, Word, SPC, measuring elements can export to dxf

- Dimension measuring tools:

point, line, circle, arc, ring, ellipse, rectangle, open curve, closed curve, distance, angle, focus plane (image), slot, plane(probe), sphere (probe), cone (probe), cylinder (probe)

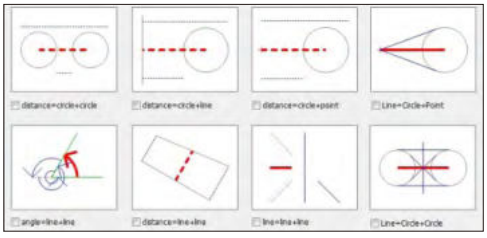
- Geometric measuring tools:

position, parallelism, squareness, angularity, symmetry, concentricity, coaxiality (probe)

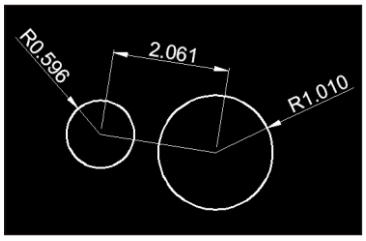
To be continued

Continued from previous page

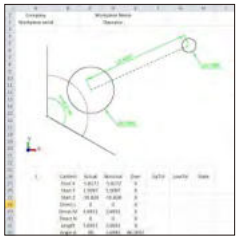
- Measuring and element construct methods:



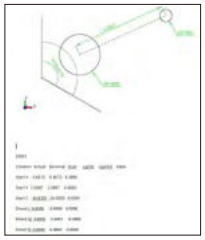
- Export to CAD, EXCEL, WORD



CAD



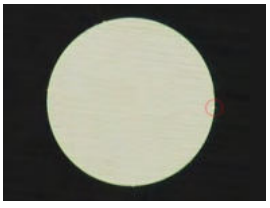
EXCEL



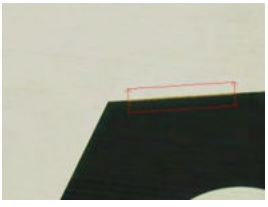
WORD

- Edge-detection:

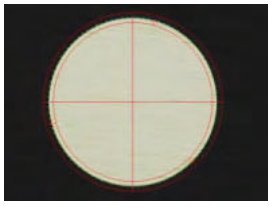
point tool



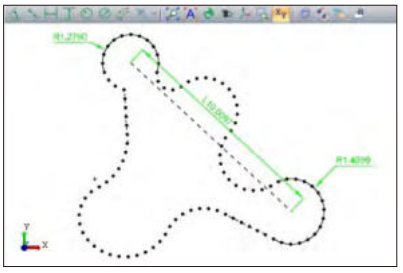
box tool



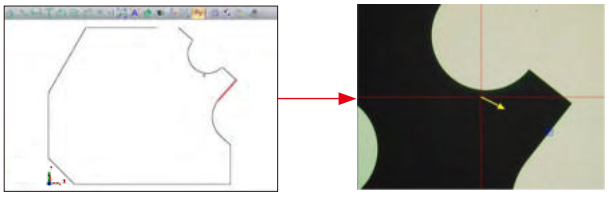
circle tool



- Contour scanning:

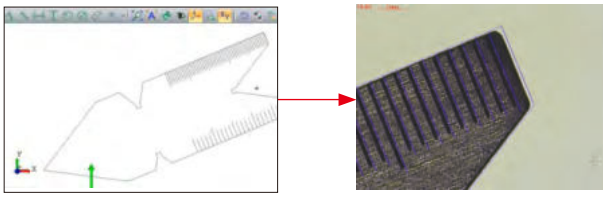


- CAD measuring:



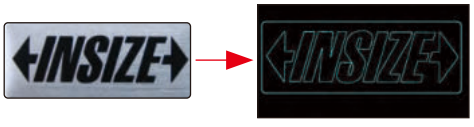
import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

- CAD comparison:

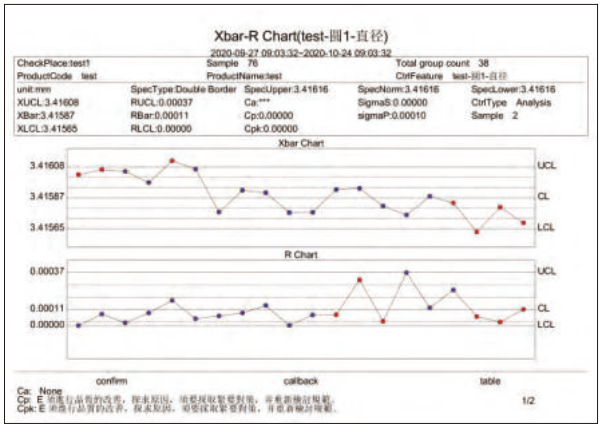


import CAD drawing, set the datum, then compare real-time image with CAD drawing

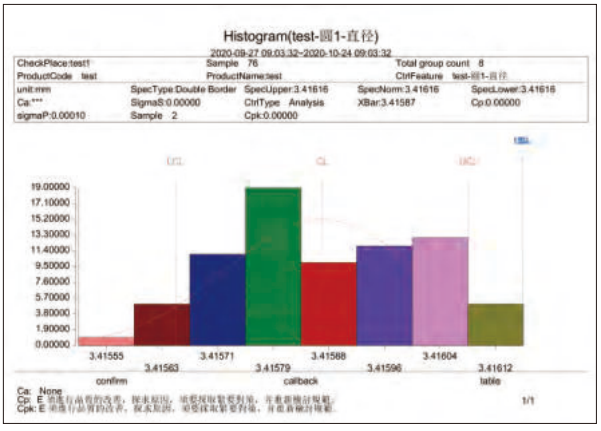
- Profile scanning:



- SPC analysis, import the measuring data to SPC module, generate Xbar-R chart, Xbar-S chart, Mid-R chart, X-Rs chart, Histogram, Sigma A and Sigma S chart, Cpk process chart, Process state analyse chart, Single proscess advice analyse chart



Xbar-R chart



Histogram