

CNC VISION MEASURING SYSTEM



ISD-V220CNCA-U

- lens with built-in coaxial light (included)
- programmable segmented ring light (included)
- computer is included
- controller

laser probe (optional)
measuring accuracy is .0002"

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

- 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.	Motorized zoom lens	ISD-V220ZA-U	ISD-V220ZHN-U	ISD-V270ZA-U	ISD-V270ZHN-U	ISD-V370ZA-U	ISD-V370ZHN-U
	Manual zoom lens	ISD-V220CNCA-U	ISD-V220HN-U	ISD-V270CNCA-U	ISD-V270HN-U	ISD-V370CNCA-U	ISD-V370HN-U
Measuring range (X*Y*Z)		8.66×4.72×5.90"	8.66×4.72×11.81"	10.63×6.69×5.90"	10.63×6.69×11.81"	14.57×10.63×5.90"	14.57×10.63×11.81"
Stage size		17.72×11.02"	17.72×11.02"	19.69×12.99"	19.69×12.99"	23.86×18.35"	23.86×18.35"
Glass stage size		12.05×7.72"	12.05×7.72"	13.78×9.84"	13.78×9.84"	17.72×13.78"	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)				≤(137.8+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		33.0X~208.6X (with manual zoom lens, on 24" monitor) 31.9X~188.7X (with motorized zoom lens, on 24" monitor)					
Camera		Giga-bit network camera					
Illumination	surface	coaxial light, programmable segmented ring light					
	contour	adjustable LED					
View field (diagonal length)		.06~.43"					
Max. height of workpiece		5.90"	11.81"	5.90"	11.81"	5.90"	11.81"
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"	29.92×23.62×41.34"	29.92×23.62×35.43"	29.92×23.62×41.34"	38.19×26.38×37.01"	38.19×26.38×41.91"
Weight		322lb	344lb	370lb	392lb	586lb	608lb

STANDARD DELIVERY

Main unit	1pc
Software	1pc
Computer	1pc
24" Display	1pc
Len with coaxial light	1pc
Controller	1pc
Calibration glass chart	1pc
Laser positioner	1pc
Clay	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 6.89" Magnification: 16.5~104.3X (with manual zoom lens, on 24" monitor) 16.0~94.4X (with motorized zoom lens, on 24" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 1.42" Magnification: 66~417.2X (with manual zoom lens, on 24" monitor) 63.8~377.4X (with motorized zoom lens, on 24" monitor)
Probe	Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Laser probe	Code: ISD-V-LASER
Office software	Code: 7313-OFFICE
Desk	Code: ISD-V-DESK

desk (optional)

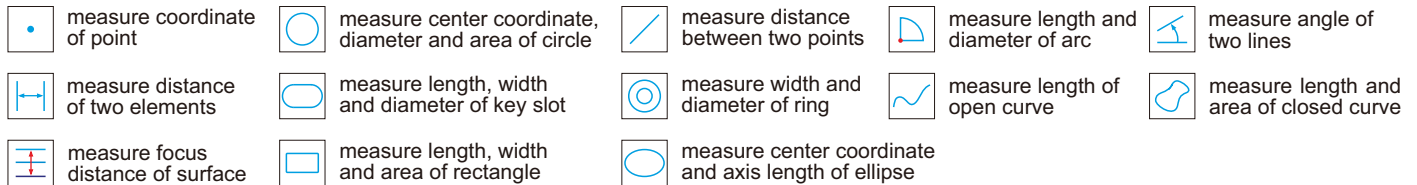


SOFTWARE

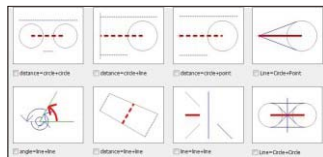
- Operation system: Windows 7/8/10

- Language: English

- Single measuring tools:

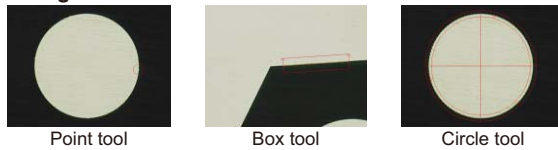


- Combined measuring tools:

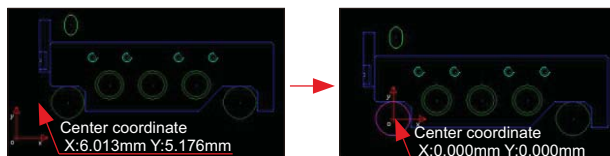


measure distance and angle of two elements

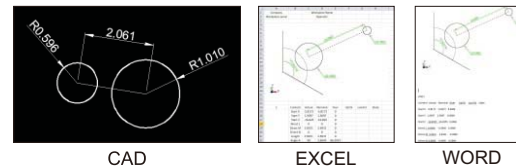
- Edge-detection:



- Coordinate transfer:



- Data export to CAD, EXCEL and WORD:

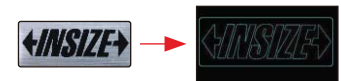


CAD

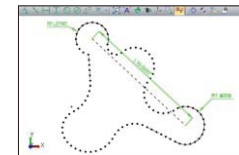
EXCEL

WORD

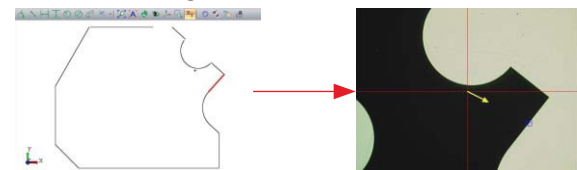
- Profile detection:



- Contour scanning:



- 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