

HORIZONTAL VISION MEASURING SYSTEM

CODE ISD-W3150



SPECIFICATION

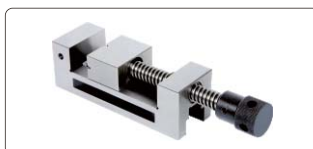
Measuring range (X×Z)	300×150mm	
Accuracy	≤(4+L/25)μm (L is the measuring length in mm)	
Resolution	0.5μm	
Y travel range (focus)	125mm	
Stage	metal stage size	455×126mm
	turning range	±15°
	max. load capacity	30kg
Objective	0.7X~4.5X (zoom)	
Working distance	96mm	
View field (diagonal length)	1.3~8.2mm	
Magnification	34X~213X	
Display	19"	
Camera	1/3" CMOS, 0.8M pixel	
Illumination	surface and contour with adjustable LED	
Operation system	Windows10	
Drive method	manual	
Power supply	220V, 50Hz	
Dimension (L×W×H)	1164×634×1048mm	
Weight	200kg	

STANDARD DELIVERY

Main unit (including computer)	1 pc
Software	1 pc
Calibration glass chart	1 pc
Clay	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

0.5X auxiliary objective	code: ISD-W-OB05X working distance: 175mm magnification: 17~106.5X
2X auxiliary objective	code: ISD-W-OB2X working distance: 32mm magnification: 68~426X
Office software	code: 7313-OFFICE
Tool table	code: ISD-W-TABLE
Vise	code: ISP-A3000-VISE
Demo sample	code: ISP-A3000-DEMO



vise (optional)



demo sample (optional)



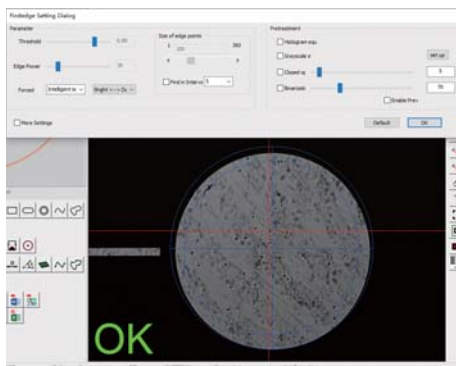
tool table (optional)

MEASURING SOFTWARE (INCLUDED)

The screenshot displays the INSIZE-M software interface. On the left, a 'measuring graphic' shows a circular object with a crosshair and coordinate axes (X, Y, Z). Below it, 'measuring objects' and 'measuring tools' are listed in a sidebar. The main area shows a 'real-time image' of the object with a green 'OK' indicator. On the right, an 'X/Y/Z axis' panel shows coordinates: X₀ = 0.0649, Y₀ = -0.4139, Z₀ = 0.0000. Below this is a table of 'measuring results' for feature LIN2.

Content	Actual	Nominal	Over	UpTol	LowTol	State
Length	2.9100	2.9100	0.0000			
T	0.0136	0.0136	0.0000			
Mid X	0.0441	0.0441	0.0000			
Mid Y	-0.4668	-0.4668	0.0000			

- Operation system: Windows 10
- Language: English
- Image measuring methods: manual point, closest point, zoom in point, crosshair point, comparison point, highest point
- Constructable elements: point, line, circle, arc, height, angle, plane, distance, ellipse, rectangle, slot, open curve, closed curve, geometric tolerance
- Geometric tolerance: concentricity, parallelism, verticality, positional, runout, circular, profile, inclination, symmetry
- Measurement elements can be translated and rotated
- Measuring data can be sent to Excel, DXF, WORD, PDF and other format files, and it supports Excel report format setting, and can specify the output location
- The software includes CAD drawing import module
- The software includes SPC analysis module, and measurement data can be imported into the SPC module for processing and analysis



can set edge finding direction and flexibly set edge finding parameters

This screenshot shows the 'CIR1' dialog box for tolerance setting and calculation. It includes a table of tolerance settings and calculation options.

Content	Actual	Nominal	Over	UpTol	LowTol	State
Center X	16.1080	16.1080	0.0000			
Center Y	-27.6952	-27.6952	0.0000			
Diameter	2.5300	2.5300	0.0000	0.0300	-0.0300	OK
T	0.0038	0.0038	0.0000			
-T	0.0040	0.0040	0.0000			
T	0.0077	0.0077	0.0000			

Below the table, there are fields for 'PSN' (3D, 2D, X, Y), 'Target' (CIR1), 'Base' (), 'Measure' (X: 16.1080, Y: -27.6952), 'Nominal' (X: 16.1080, Y: -27.6952), and 'Over' (X: 0.0000, Y: 0.0000). There are also 'Base offset' fields for X and Y, and a table for 'Measure', 'Range', 'Over', and 'Status'.

equipped with complete tolerance setting and calculation functions