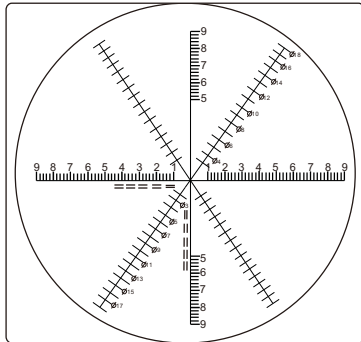


TOOLMAKER MICROSCOPES



10X dividing eyepiece



The horizontal and vertical scale lines are used for length measurement, the graduation is 0.2mm. The two diagonals scale lines are used for diameter measurement, the graduation is 1mm (when using the 1X objective).

10X eyepiece



Y-axis reset switch

X-axis reset switch



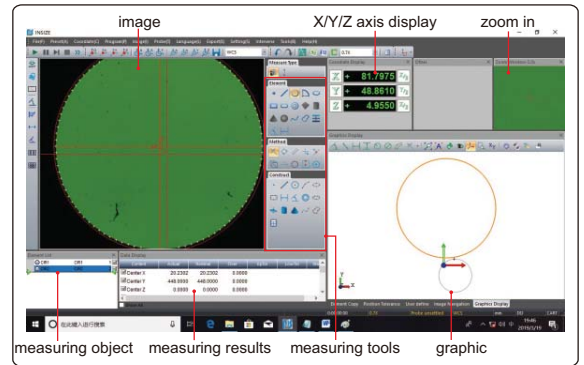
illumination control panel

laser positioning switch



ISD-VMM215

computer is not included



SPECIFICATION

Code	Binocular	ISD-VMM205	ISD-VMM215	ISD-VMM225	ISD-VMM235
	Monocular	ISD-VMM205D	ISD-VMM215D	ISD-VMM225D	ISD-VMM235D
X/Y axis travel		150×100mm	200×100mm	250×150mm	300×200mm
Z axis travel		150mm	150mm	200mm	200mm
Metal stage size		354×228mm	404×228mm	450×280mm	500×330mm
Glass stage size		210×160mm	260×160mm	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		2µm			
Camera		1/3" color CCD, 0.3M pixel			
Optical magnification		10X~100X			
Image magnification		38X~380X (on 19" monitor)			
Illumination		surface and contour with adjustable LED			
Max. weight of workpiece		25kg			
Power supply		100V~240V, 50/60Hz			
Operating system		Windows 7/8/10			
Drive method		manual			
Dimension (L×W×H)		540×667×850mm	540×667×850mm	800×675×920mm	800×675×920mm
Weight		100kg	110kg	135kg	140kg

DATA PROCESSING UNIT

Output	RS232
	Easy measuring tools
	Measure coordinate of points
	Measure lines
	Measure center coordinate, radius of circle with three points
	Measure distances between two objects
Function	Measure angles
	Set origin of coordinate
	Skew and calibrate the workpiece
	Measure rectangle (including length, width, perimeter and center coordinate)
	Measure thread (including thread diameter, screw pitch, screw angle)
	Measure slot (including center coordinate, length, width)

To be continued

Continued from previous page

STANDARD DELIVERY














Main unit	1pc
Video card with dongle	1pc
Software disc	1pc
Calibration glass chart	1pc
Demo sample	1pc
Foot switch	1pc
3X objective	1pc

OPTIONAL ACCESSORY

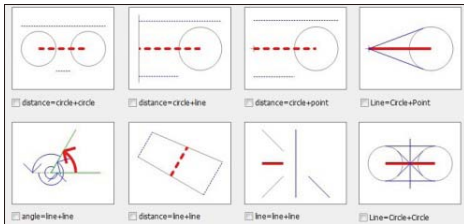
1X objective	ISD-VMM-LENS1X	
5X objective	ISD-VMM-LENS5X	
10X objective	ISD-VMM-LENS10X	
Printer	ISD-VMM-PRINTER	
Toolmaker microscopes (with computer)	Code: ISD-VMM205AC(binocular)	ISD-VMM205DAC(monocular)
	ISD-VMM215AC(binocular)	ISD-VMM215DAC(monocular)
	ISD-VMM225AC(binocular)	ISD-VMM225DAC(monocular)
	ISD-VMM235AC(binocular)	ISD-VMM235DAC(monocular)

SOFTWARE

- **Operation system:** Windows7/8/10
- **Language:** English
- **Single measuring tools:**

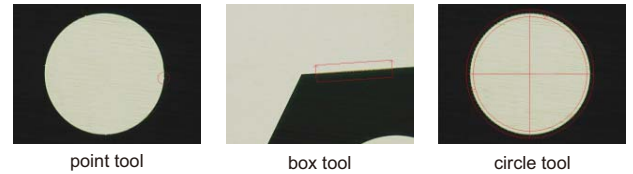
 measure coordinate of point	 measure distance between two points	 measure center coordinate, diameter and area of circle
 measure length and diameter of arc	 measure width and diameter of ring	 measure center coordinate and axis length of ellipse
 measure distance of two elements	 measure angle of two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

▪ **Combined measuring tools:**



measure distance and angle of two elements

▪ **Edge-detection:**

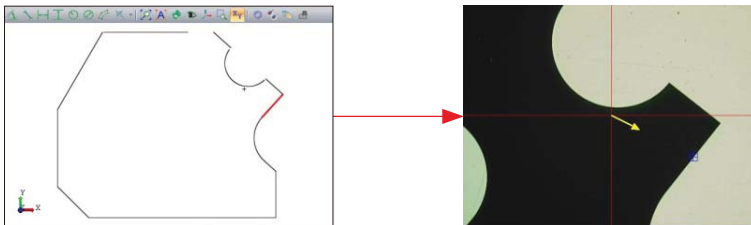


point tool

box tool

circle tool

▪ **CAD measuring:**

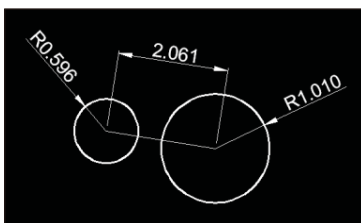


Input CAD drawing and set reference, move the stage to make the target box in the center of crosshair, then the software will do automatic measurement

▪ **Profile detection:**



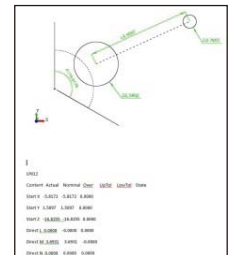
▪ **Data export to CAD, EXCEL and WORD:**



CAD

Content	Actual	Nominal	Over	Light	Unit	State
Start X	0.0000	0.0000	0			
Start Y	1.5000	1.5000	0			
Start Z	0.0000	0.0000	0			
Start R	0	0	0			
Start N	0	0	0			
Start D	0	0	0			
Length	0.0000	0.0000	0			
Angle-A	00	0.0000	0			

EXCEL



WORD