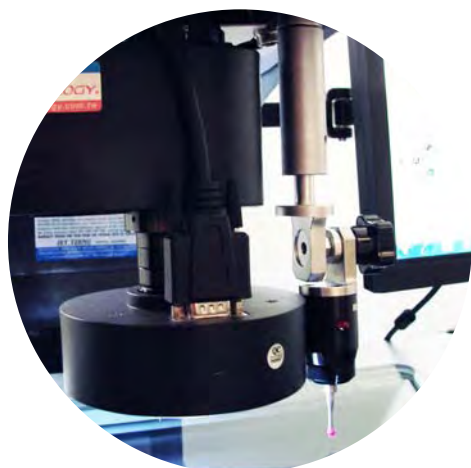
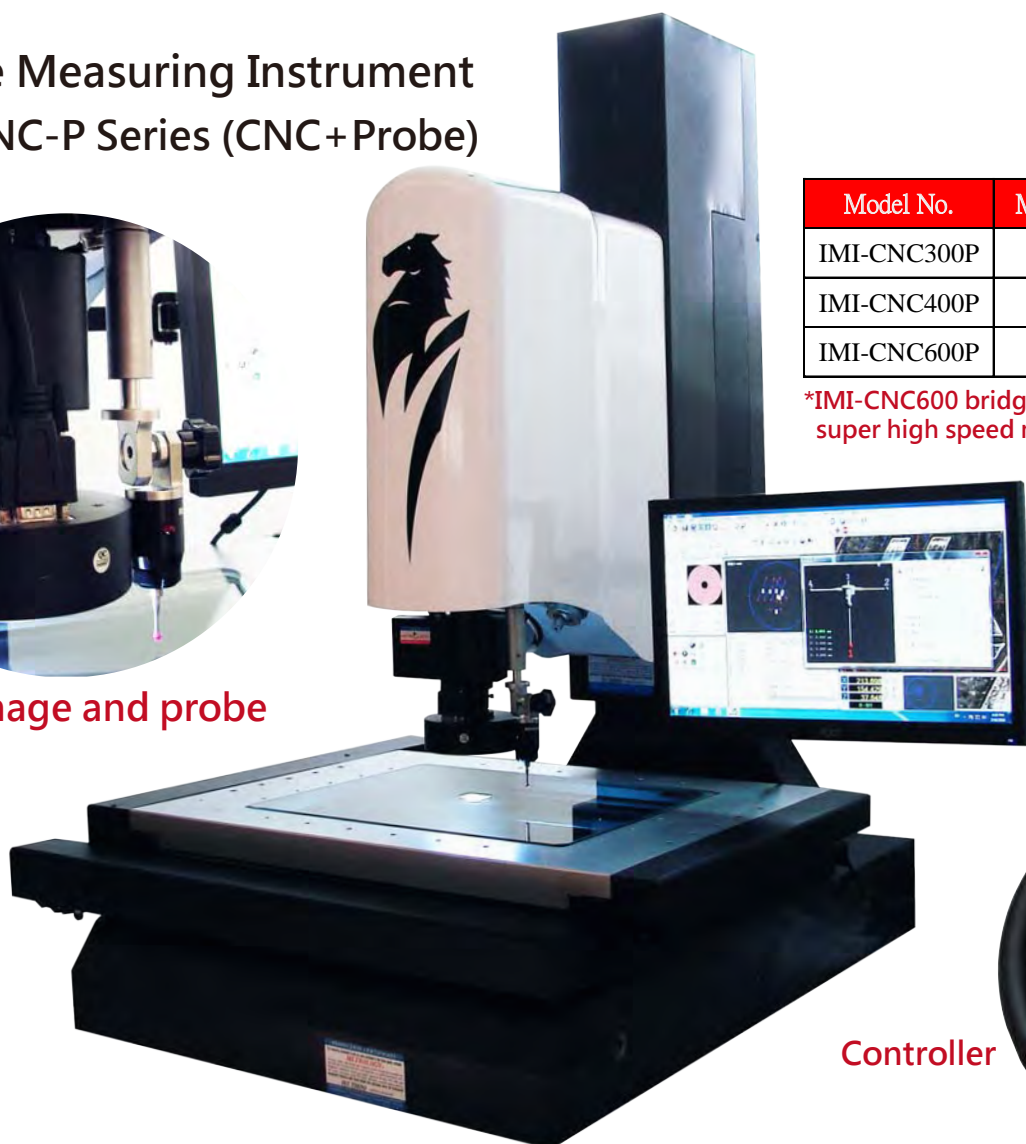


■ Image Measuring Instrument IMI-CNC-P Series (CNC+Probe)



2 in 1 image and probe



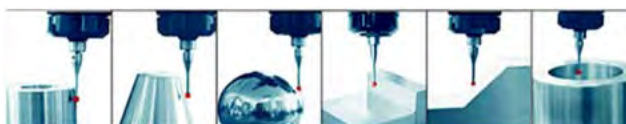
Model No.	Measuring Range (XYZ)
IMI-CNC300P	300*200*200mm
IMI-CNC400P	400*300*250mm
IMI-CNC600P	600*500*300mm

*IMI-CNC600 bridge type structure, super high speed movement model.

Controller



Technical specification



Resolution : 0.0005mm/0.00002" (X-Y-Z axis high accuracy linear scale)

Measuring Accuracy : $\pm(2+L/200)$ μ m (X, Y Axis)

Main structure: DIN 00 grade granite table master base & Z axis T type granite column

Motion system: High speed 3 axis AC servo motor control system.

Operation mode: Automatic CNC programming measuring system

Image system: 1/2" , 1.3M pixels super high resolution SONY CCD sensor color camera

Image magnification: AUTO ZOOM 20~125X (expendable to 10~250X)

Electronic system: PCI Multi-Axis Controller and Integrated light motor counter card.

Focus system: Z axis electric motor autofocus and cruise control by joystick and panel.

Optical system: 0.7-4.5X high precision & proficient telecentric Autofocus lens.

Illumination system: Four adjustable LED top zones and a bottom LED light which can be direct altered via computer.

Probe system: Renishaw (U.K.) MCP touch trigger probe, reference sphere and tips.

Computer system: Computer with 18.5" 16:9 LCD color Monitor,

Software system: Jingstone Metrology 2D/3D CNC image & probe coaxial measuring system.

Measuring result output: Word, Excel, DXF, SPC

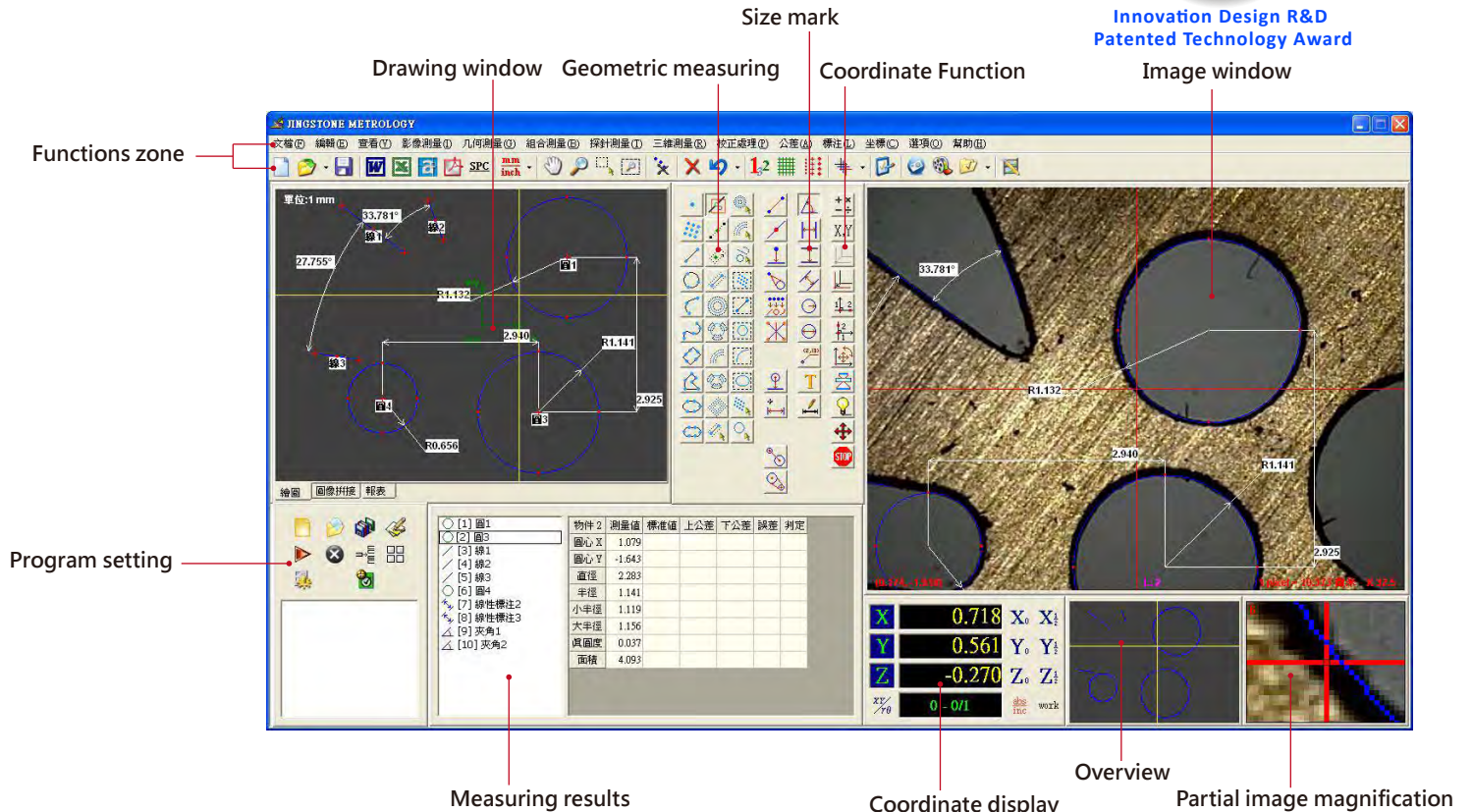
Accessories: Optical calibration plate. Steel instrument working table cover with marble surface

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■ Image Measuring Instrument Measuring software guide (Manual model)



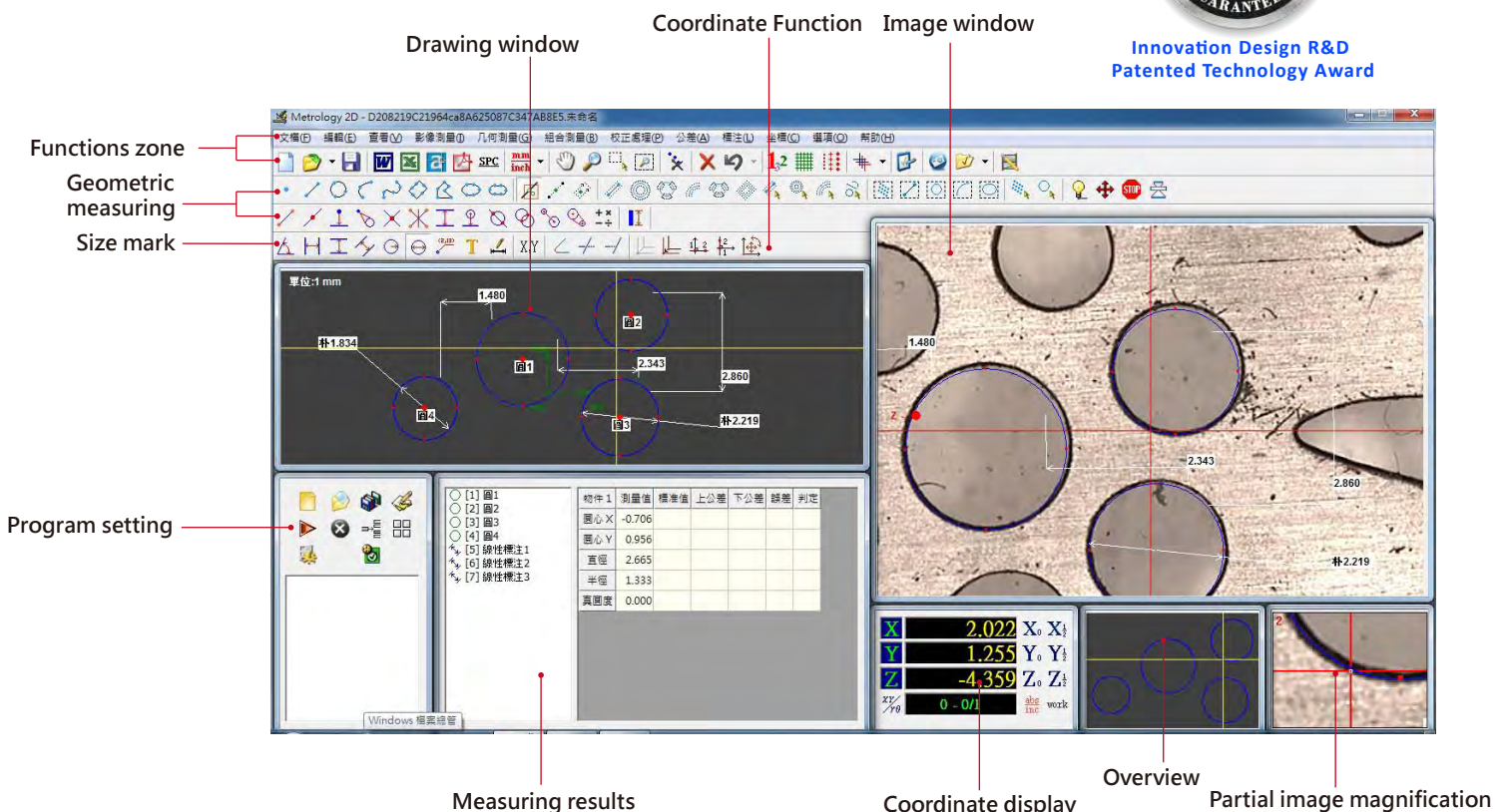
Innovation Design R&D
Patented Technology Award



■ Image Measuring Instrument Measuring software guide (Autofocus model)



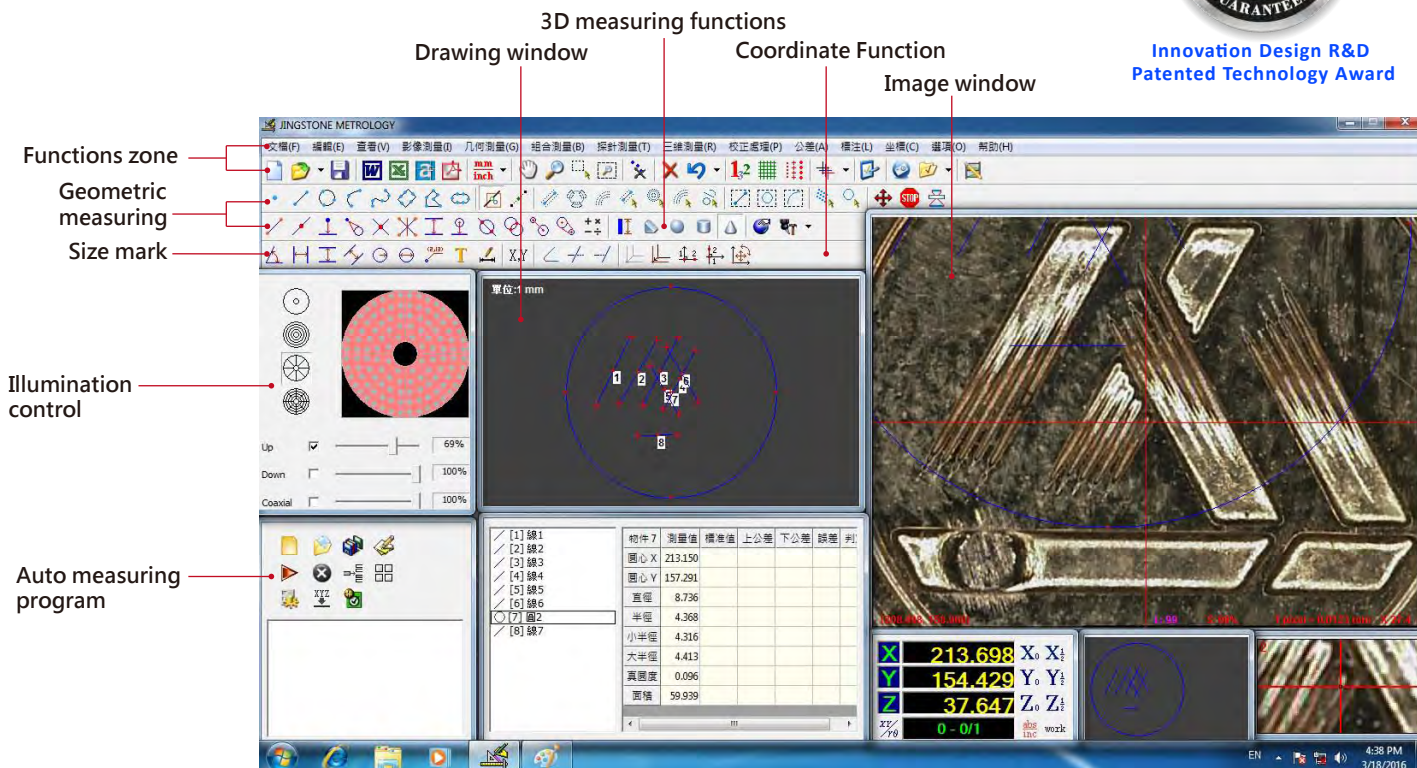
Innovation Design R&D
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■ Image Measuring Instrument Measuring software guide (CNC Automatic model)

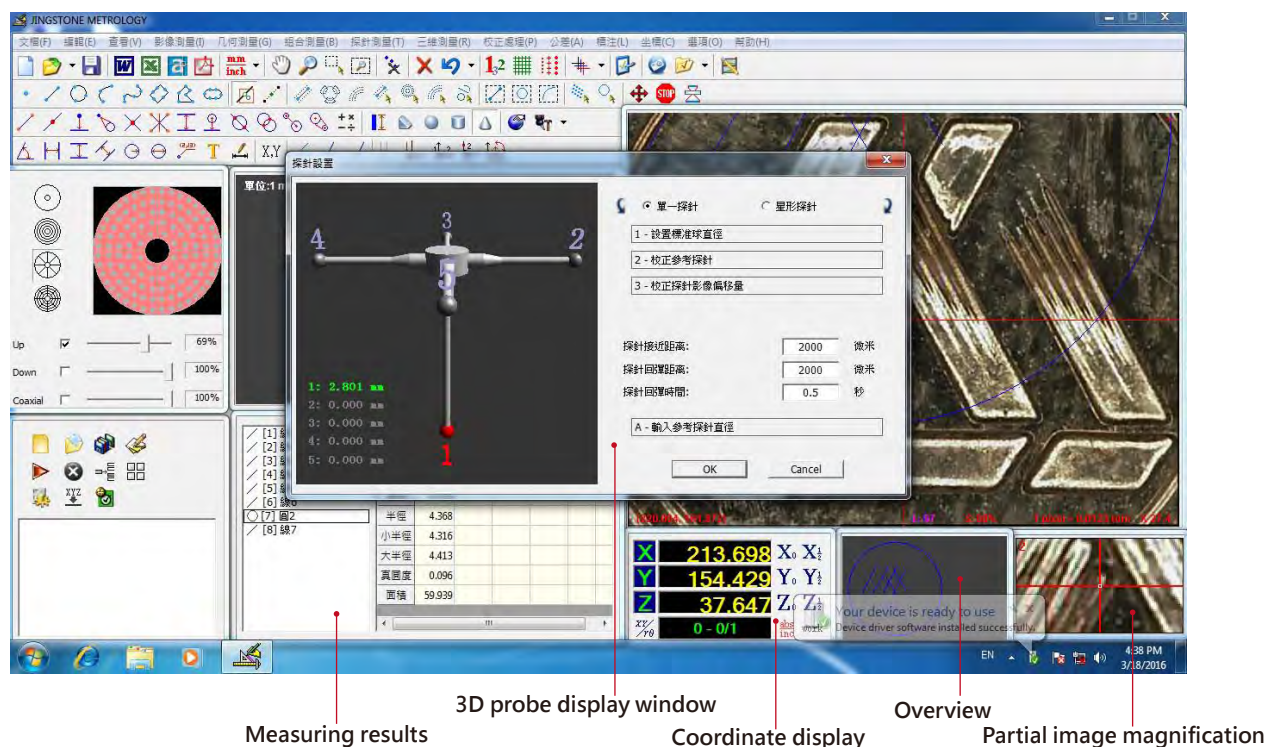


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Jingstone metrology 2D/3D image measuring software

Powerful measuring software to satisfy your highest requirements



■ Measuring Software Guide *Unbelievable Measuring Functions*

■ Function bars



Create new file, Open file, Save file, Word output, Excel output, DXF output, SPC output, Metric and Imperial conversion, Angle units conversion, Move, Zoom, Magnify, Full screen, Delete, Undo, Display object number, Display grid, Display, Display reticle line, Reticle line color, Reticle line style, Program setting, Illumination control

■ Geometric measuring functions



Manual measuring and drawing : point, line, circle, arc, B-spline, rectangles, ellipse, polygon, slot



Auto-capture measuring : point, line, circle, arc



Auto-select : points group, circle, auto control, shutdown, focus indicator



Reverse engineering 2D point group measuring



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Manual and auto focus indicate function

■ Other combination functions

2 points distance line center, point-line distance, point-circle tangents, 2 lines intersection, angle bisector, distance of two lines, circle-line distance, circle-line intersection, circle-circle intersection, circle-circle distance, circle-circle tangents

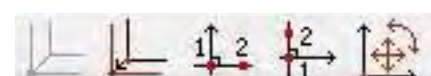
■ Dimension mark functions



angle, angle level, vertical, symmetry, radius, diameter, coordinate, text, edit, input coordinate, circle of 2 lines



■ Coordinates setup



Mechanical origin, Coordinate translation, 2 points to determine X-Axis, 2 points to determine Y-Axis, Coordinate translation and rotation

■ Measuring Software Guide *Unbelievable Measuring Functions*

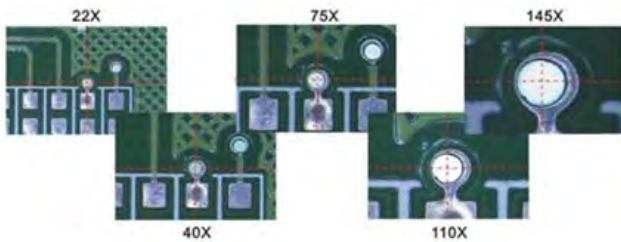
■ SPC statistical analysis functions

Chart, histogram, grid chart, deviation table and grouping statistics, SPC control chart, export to Excel, setting and print

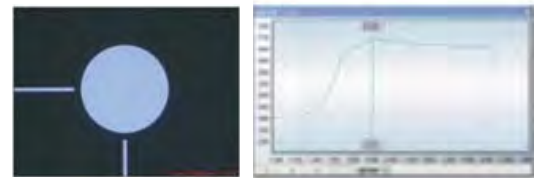


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■ Optical lens auto function

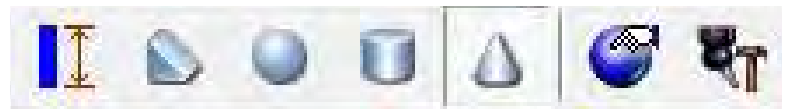


Auto zoom

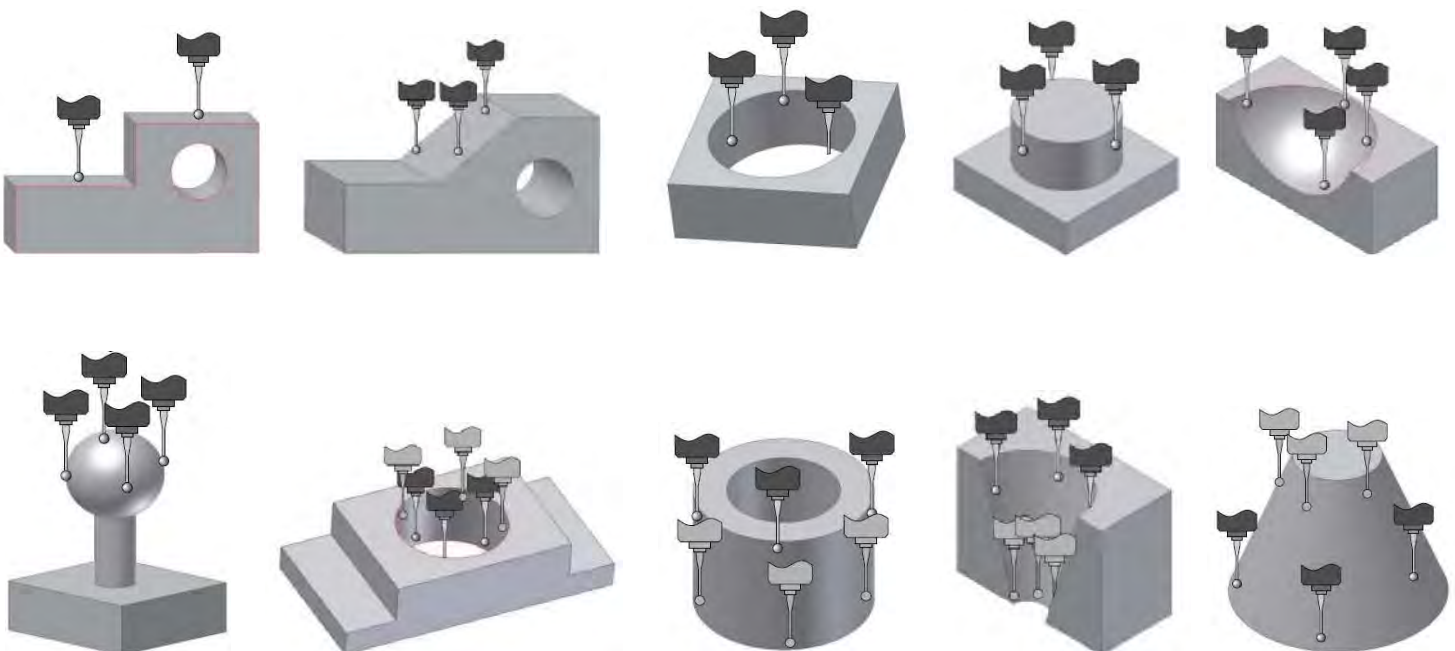


Auto focus

■ 3D probe measuring function



1. Height, Plane, Sphere, Cylinder, Cone, Circle



2. Space line-line distance, plane-plane distance, space line-plane angle, plane-plane angle, space line-plane intersection, and other combination measurements

3. Tolerance function: parallelism, verticality, angularity, position, concentricity, radial runout, axial runout

■ Image Measuring Instrument



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Unbelievable Measuring Functions

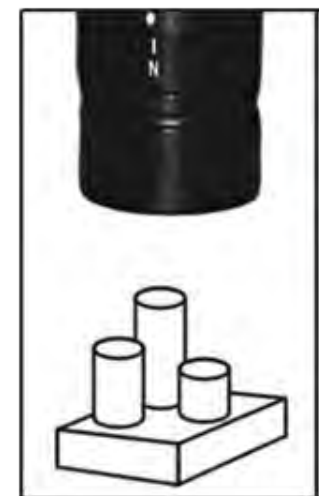


Jingstone Metrology 2D/3D Measuring Software

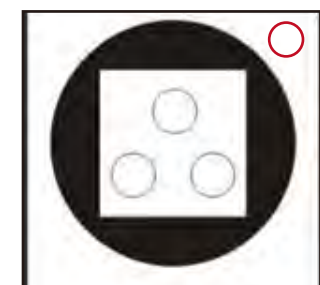
Function	IMI Model				
	P	AF	AF-P	CNC	CNC-P
2D basic geometric measuring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Element combination measuring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Form error measuring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coordinates Transformation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image size marking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cross line colored measuring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Measuring procedure automatic edit/record	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2D points reversing measuring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Full field window	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image revealing window	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drawing window	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Partially zoom in window	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manual/Auto image captured measuring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tolerance input/output pre-setting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image and drawing editing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SPC analysis and graphic drawing control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manual focus control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Auto focus control		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Laser positioning		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Numerical illumination control		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Auto Zoom control				<input type="radio"/>	<input type="radio"/>
Automatic CNC programming measuring				<input type="radio"/>	<input type="radio"/>
3D basic geometric measuring			<input type="radio"/>		<input type="radio"/>
3D actual/virtual measuring by probe			<input type="radio"/>		<input type="radio"/>

P : Practical AF : Autofocus AF-P : Autofocus+Probe
CNC : CNC-Automatic CNC-P : CNC-Automatic+Probe

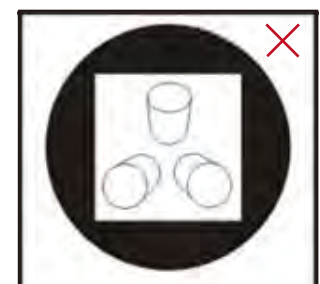
High performance TELECENTRIC LENS



Telecentric
autofocus lens



Telecentric lens
diagram



Normal lens diagram