

# VISION MEASURING SYSTEM CODE ISD-250\*



## SPECIFICATION

<b>Measuring range</b>	X-axis: 250mm Y-axis: 150mm Z-axis: 150mm
<b>Stage size</b>	430×330mm
<b>Stage glass size</b>	290×190mm
<b>Max. stage loading</b>	20kg
<b>Resolution of X/Y/Z axis</b>	1μm
<b>Accuracy of X/Y axis</b>	≤(3+L/200)μm (L is the measuring length in mm)
<b>Repeatability of X/Y axis</b>	2μm
<b>Objective</b>	0.7X - 4.5X(zoom)
<b>Magnification</b>	20X - 125X
<b>Camera</b>	0.3M pixel color CCD
<b>Drive method</b>	X/Y axis: manual Z axis: motorized(auto-focus)
<b>Illumination</b>	surface: adjustable four-quadrant LED contour: adjustable LED
<b>Dimension W×D×H</b>	1350×720×1800mm(operation table is included)
<b>Weight</b>	170kg(operation table is included)

\* Add suffix on code No. to devote AC voltage and plug

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**STANDARD DELIVERY**

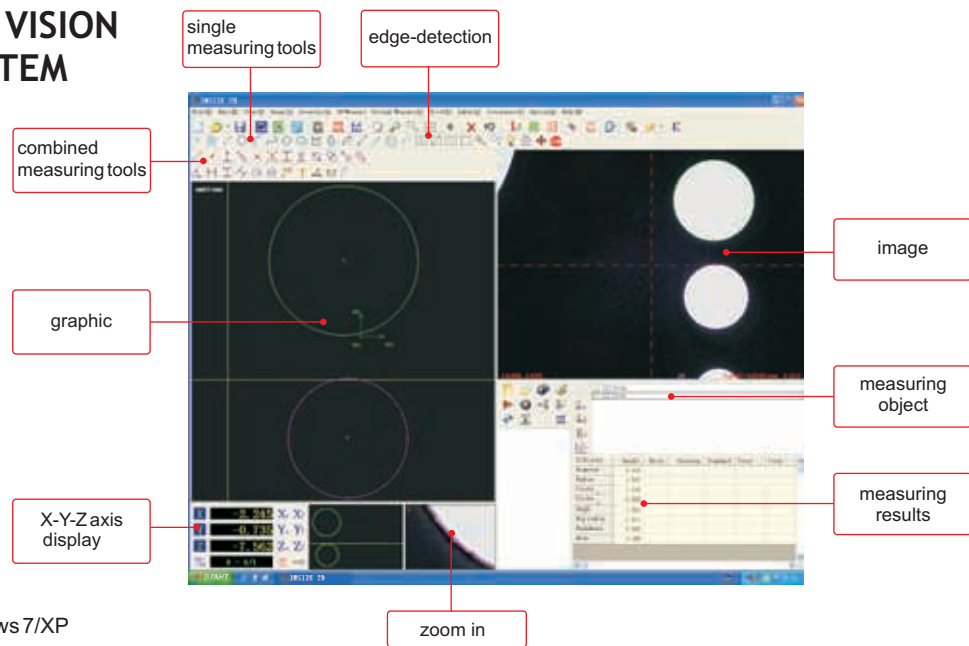
Main unit	1pc
Operation table with controller	1pc
Software disc	1pc
Counter card	1pc
Joystick	1pc

Video card	1pc
Calibration glass chart	1pc
Clay	1pc
Anti-dust cover	1pc

**OPTIONAL ACCESSORY**

0.5X auxiliary objective	ISD-250-OB05X
2X auxiliary objective	ISD-250-OB2X
Computer	ISD-250-COMPUTER
Calibration rule (length: 300mm, accuracy: 2µm)	ISD-250-RULE
Probe	ISD-250-PROBE

**SOFTWARE FOR VISION MEASURING SYSTEM**



- **Operation system:** Windows 7/XP
- **Language:** English, Korean, Chinese
- **Single measuring tools:**

- measure coordinate of point
- measure length of line
- measure center coordinate, radius, diameter and area of circle
- measure length and diameter of arc

- measure width, length and area of rectangle
- measure center coordinate, axis length and area of ellipse
- measure length and area of polygon
- measure width of groove

■ **Combined measuring tools:**

- measure distance between two points
- find midpoint of a line
- measure distance from point to line
- find tangent lines between point and circle
- measure angle and intersection point between two lines
- find angular bisector between two lines

- measure distance between two lines
- measure distance from circle to line
- find intersection points between circle and line
- find intersection points between two circles
- measure distance between two circles
- find tangent lines between two circles

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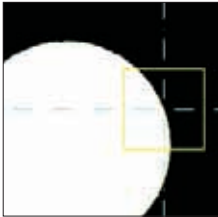
■ **Zoom in :**

Zoom in the area where the mouse arrow or cross line is positioned, the magnification is 2X-20X(step)

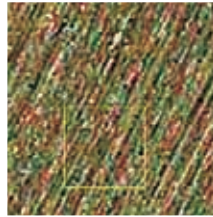
■ **SPC**

■ **Auto-focus**

Focus on edge



Focus on surface

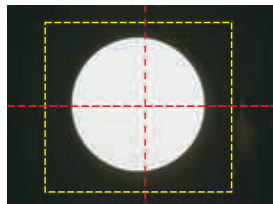


■ **Edge-detection:**

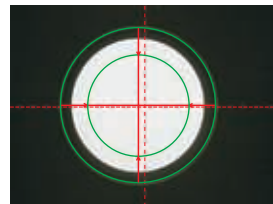
Point tool



Box tool



Circle tool



■ **Profile detection:**



catch the profile automatically



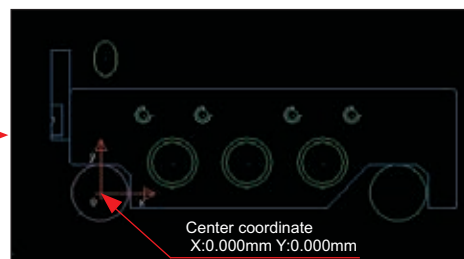
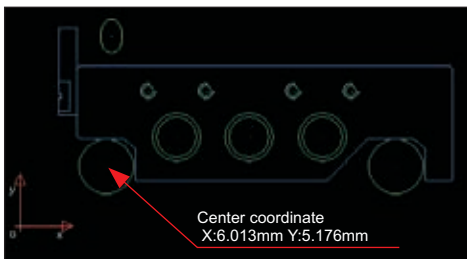
catch the profile manually



■ **Coordinate transform:**



coordinate transform



■ **Output to CAD, EXCEL and WORD**



CAD



EXCEL



WORD