

# Measuring Microscope



## Key Features:

- **Mechanical Structure and Design**
  - The machine base and Z axis was built with granite materials instead of cast-iron that provide rigidity and stability.
  - The grade of granite materials used were compliance to DIN00 standard
  - High precision X-Y stage and Z axis linear bearing was mounted directly onto granite base that provide highly precise and stable instrument
- **16 segment LED Illuminations**
  - LED illumination sources improve contrast and enhance throughput
  - Illumination system can be controlled from 16 different directions
- **Magnification**
  - Coaxial zoom lens with magnification from 28X to 180X
- **CCD Camera**
  - High resolution 410,000 pixel CCD Camera

# TECHNICAL SPECIFICATION

## OKV- Series – Manual Type

<b>Machine Specification</b>		
<b>Model</b>	<b>OKV-2010</b>	<b>OKV-3015</b>
<b>Measuring Range (X, Y) [mm]</b>	<b>X = 200, Y = 100</b>	<b>X = 300, Y = 150</b>
<b>Measuring Range (Z) [mm]</b>	<b>Z = 130</b>	<b>Z = 130</b>
<b>Linear Scale</b>	<b>1 um Glass Scale</b>	
<b>Accuracy [um]</b>	<b>U1 = 3 + (6L/1000) U2 = 4 + (6L/1000)</b>	
<b>Machine Base</b>	<b>Granite grade complied with DIN 00 standard</b>	
<b>Weight [Kg]</b>	<b>110</b>	<b>125</b>
<b>Dimension LXWXH [mm]</b>	<b>550 X 500 X 600</b>	<b>650 X 600 X 600</b>
<b>Country Of Origin</b>	<b>Made in Taiwan</b>	
<b>Manufacturer</b>	<b>Bao-I Technology Corporation</b>	

<b>Electrical Specification</b>		
	<b>OKV-2010</b>	<b>OKV-3015</b>
<b>CCD Camera</b>	<b>High Resolution 410,000 pixel Camera (SENTECH, Japan)</b>	
<b>Lens Magnification</b>	<b>0.7 – 4.5X (28 – 180 X Magnification)(*1)</b>	
<b>Surface Illumination</b>	<b>16 Sector LED Circular Ring Light</b>	
<b>Contour Illumination</b>	<b>LED</b>	
<b>Driver</b>	<b>Manual</b>	
<b>Controlling Method</b>	<b>X-Y axis with Quick Release, Z axis - Manual</b>	
<b>Power Requirement</b>	<b>AC 100 – 240 V / 1KVA</b>	

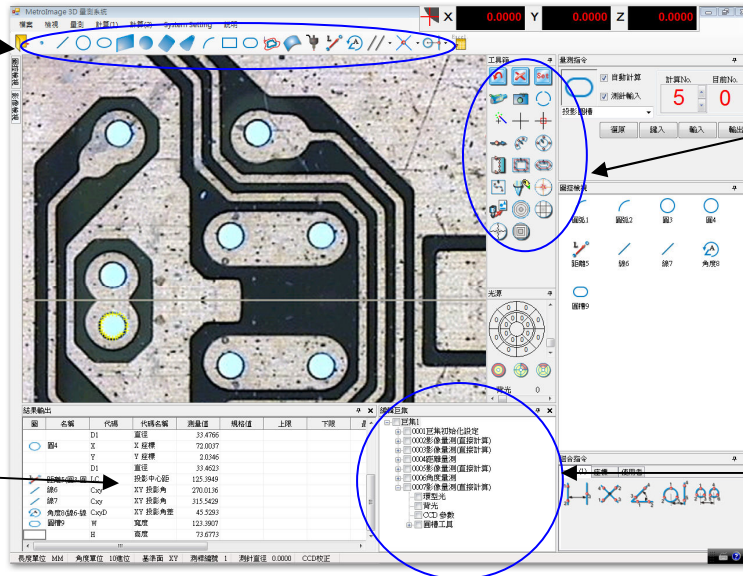
Remarks:

\*1 – Auxiliary lens

# Software

## Metro Image 2.5D/3D Measuring Software

All types of features such as line, circle and etc

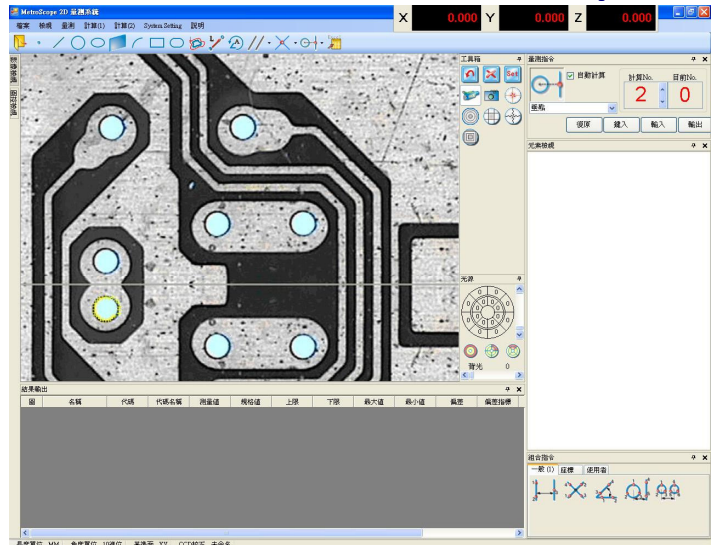


Various type of detecting tools available

Result window

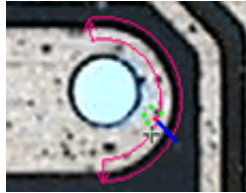
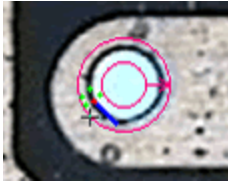
Macro Programming

## Metro Scope 2D

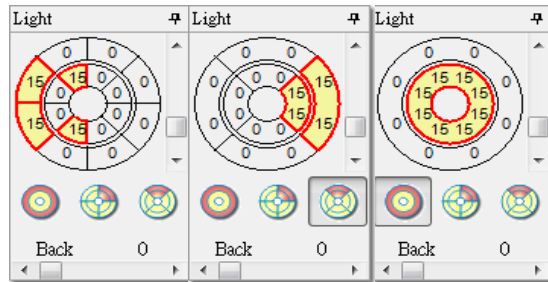


# Metro Image 2.5D/3D Measuring Software

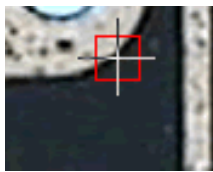
1. Smart and intelligent detecting tools for accurate, convenient and easier measurement



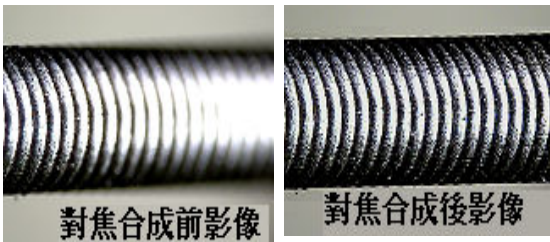
2. Multi-sector ring light control to achieve best image casting (16 Sectors)



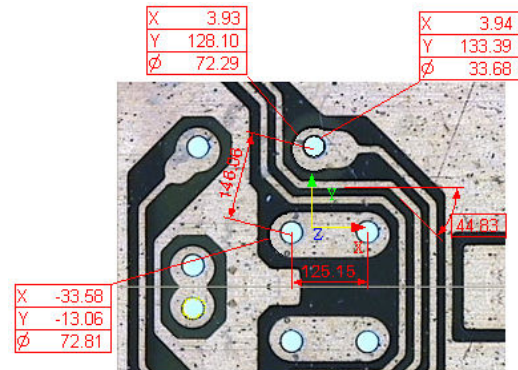
3. Quick point taking with mouse



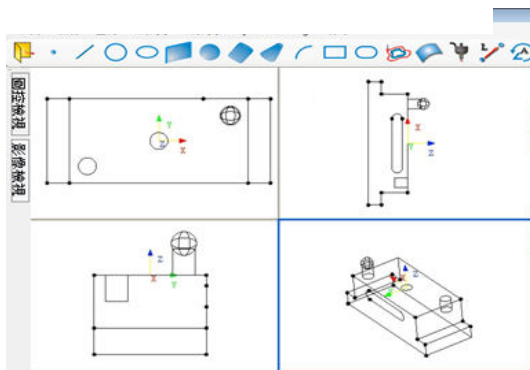
4. Superimpose 3D images for dimension measurement



5. Measurement dimension can be pasted onto captured images for reporting

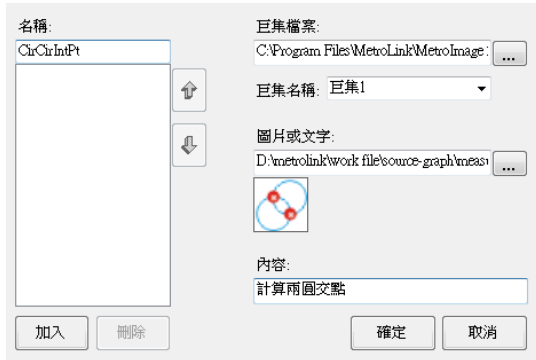


6. Multiple windows for different viewing angle of imported drawing

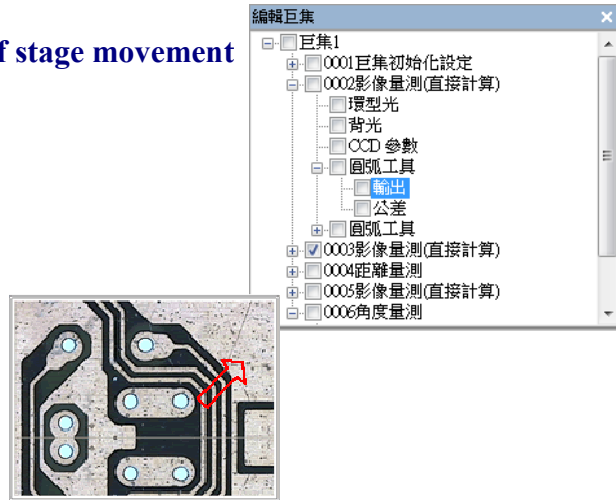


# Metro Image 2.5D/3D Measuring Software

## 7. Icon can be assigned for Macro program



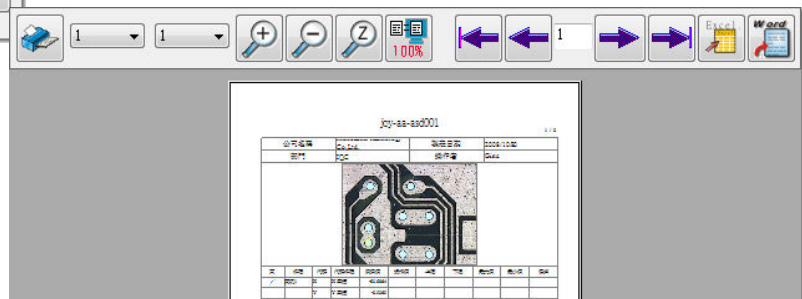
## 8. Arrow guide for direction of stage movement when software execution



## 9. Measurement data can be sent directly to Microsoft Excel and SPC results can be tabulated in Excel table



## 10. Result can saved in Excel or Words format



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