Measuring Microscope

PZS Series – Manual/CNC/Probe type

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.
  - Horizontal beam for X axis was designed with high rigidity and light weight material that avoid deformation caused by gravity
  - 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

- **Optional Contact Probe**
- Capable of attached Renishaw MCP or PH6 + TP20

TECHNICAL SPECIFICATION

PZS- Series – Manual/CNC/Probe Type

Machine Specification			
Model	PZS-6060V/VP/CNC	ZS-1260V/VP/CNC	ZS-1510V/VP/CNC
Measuring Range (X, Y) [mm]	X = 600, Y = 600	X = 1200, Y = 600	X = 1500, Y = 1000
Measuring Range (Z) [mm]	Z = 130/400(*1)		
Linear Scale	Renishaw 0.4 um		
Accuracy [um]	U1 = 3 + (6L/1000) U2 = 5 + (6L/1000)		
Machine Base (X,Y,Z Axis)	Granite grade complied with DIN 00 standard		
Weight [Kg]	1200/1500	1900/2100	4000/4300
Country Of Origin	Made in Taiwan		
Manufacturer	Bao-I Technology Corporation		

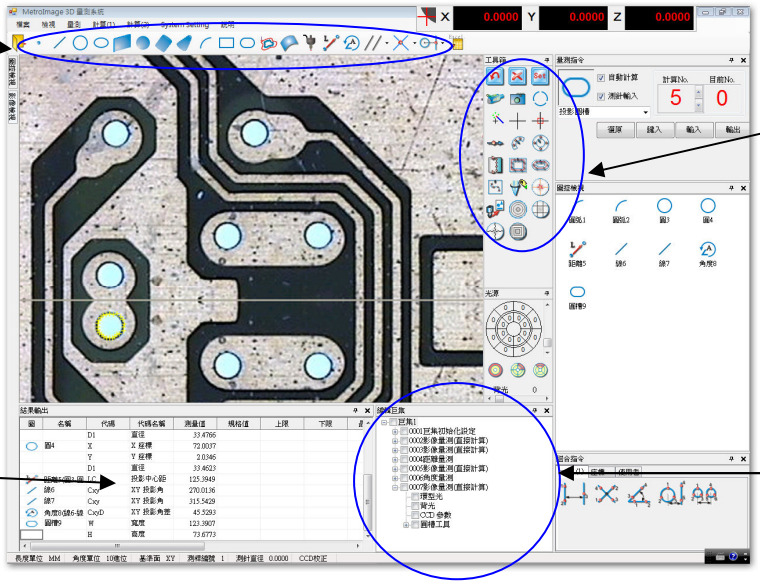
Electrical Specification			
Model	PZS-6060V/VP/CNC	ZS-1260V/VP/CNC	ZS-1510V/VP/CNC
CCD Camera	High Resolution 410,000 pixel Camera (SENTECH, Japan)		
Lens Magnification	0.7 – 4.5X (28 – 180 X Magnification)(*2)		
Surface Illumination	16 Sector LED Circular Ring Light, separately control		
Contour Illumination	LED		
Probe	VP: Renishaw MCP or PH6 + TP20		
Software	Metro 2.5/3D/CNC		
Driver	AC Servomotor		
Controlling Method	X-Y axis with Quick Release, Z axis - Manual	Joystick & Software	
Power Requirement	AC 220 V / 15A	AC220/18A	

Remarks:
***1 – Z Height increased to 400 mm (Model : PZS-6060HV)**
***2 – Auxiliary lens**
V – Vision
VP – Vision & Probe
CNC – Computer Numerical Control

Software

Metro Image 2.5D/3D Measuring Software

All types of features such as line, circle and etc

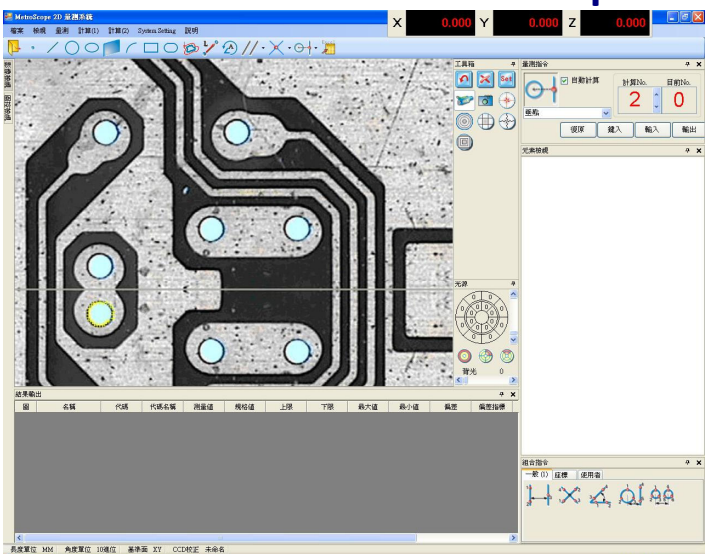


Various type of detecting tools available

Result window

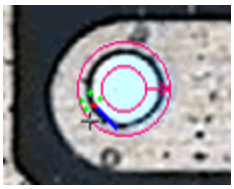
Macro Programming

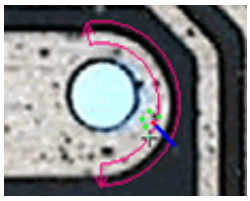
Metro Scope 2D



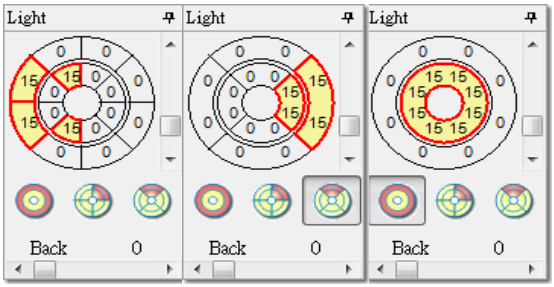
Metro Image 2.5D/3D Measuring Software

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

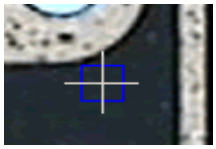




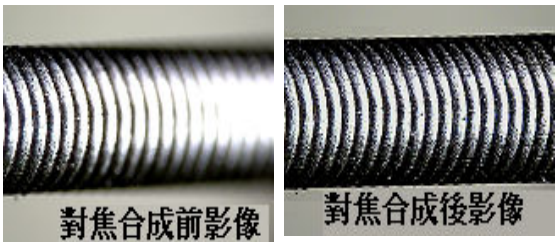
2. Multi-sector ring light control to achieve best image casting (16 Sectors)



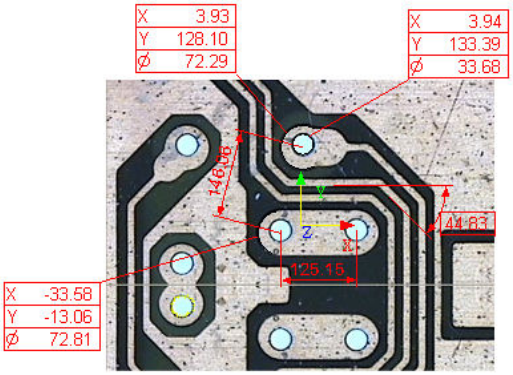
3. Quick point taking with mouse



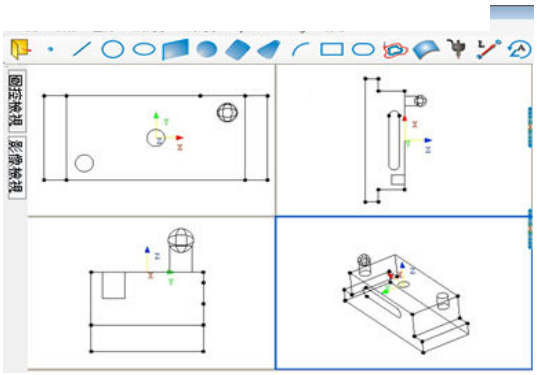
4. Superimpose 3D images for dimension measurement



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

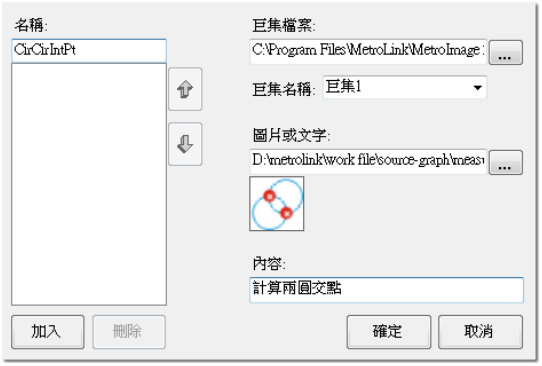


6. Multiple windows for different viewing angle of imported drawing

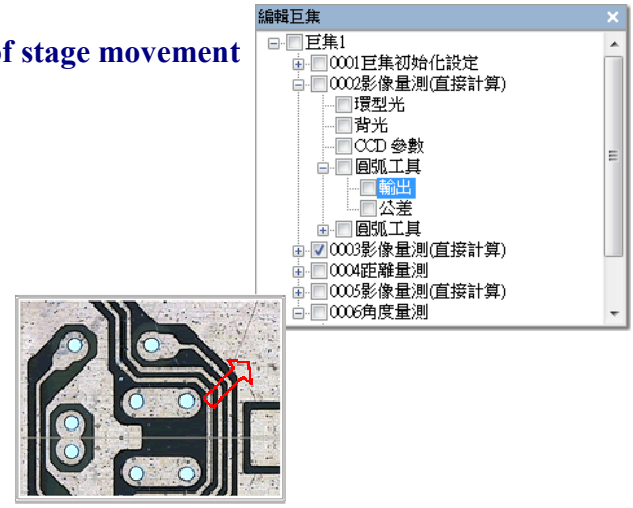


Metro Image 2.5D/3D Measuring Software

7. Icon can be assigned for Macro program

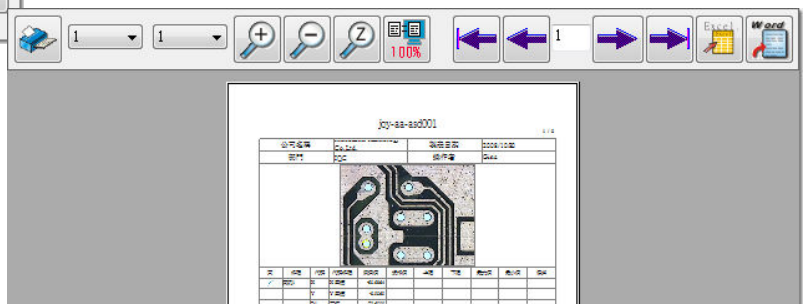


8. Arrow guide for direction of stage movement when software execution



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



Contact Us :

ForteSolution Pte Ltd

Address : 809 French Road,
#05-152 Kitchener Complex
Singapore 619974

Tel : 65-6639-8045 Fax:65- 62195932

Email : mailto:fortesolution@ymail.com

Website : http://fortesolution.yolasite.com

Company & GST Reg. No: 201009911E