M12.5850 Compound Optical Microscope Biological Bf 2d Xyz Motorized

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: M12.5850
- Minimum Order Quantity: 1 pc
- Price: FOB $1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month

Product Specification

- XY Moving: 110x110mm
- Z Moving: 20mm
- Resolution: <0.05um
- Max. Speed: 50mm/s
- Repeatability: ≤20um
- Maxcope Software: 2D Standard Version, Detail See Software Table
- Highlight: **motorised compound optical microscope**, **2d compound optical microscope**, **compound optical motorised microscope**

Our Product Introduction

Product Description

Motorized Biological Microscope, BF, XYZ Motorized

Infinity Plan Semi-APO 4x10x20x40x100x Objectives With 6 Holes Motor Nosepiece

X/Y/Z Motorized Stage Large Moving Range 100x100mm Resolution 0.05um

Full Auto 2D Scan Image Stitching With Quick & Precise Mode

Upgradeable to 2D Pro & 3D Version Software Enable 3D Image Stitching & Measuring

USB3.0 20M Cooling Fluorescent Digital Camera With Computer Pre Installed Software


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MAXCOPE
M12.5850/M16.5850


Research 3D Full Auto Super Depth of Field
Biological/Fluorescent Microscope
Semi-APO, BF+DF+PL+PH+FL+DIC


A12.5850, A13.5850, A16.5850 Motorized Model
MAXCOPE
A12.0910 Upgrade to M12.5850
Research Scientific Laboratory Microscope,
Semi-APO, Upgrade BF+DF+PL+PH+FL+DIC
A59.2225 Cooling Digital Camera
A54.5801 XYZ Motorized Stage
A13.0910 Upgrade to M13.5850
Upright Metallurgical Microscope, Semi-
APO, BF+DF+PL+DIC
A16.0910 Upgrade to M16.5850
Research Fluorescence Microscope,
Semi-APO, Upgrade BF+DF+PL+PH+FL+DIC


Light Splitting Ratio Switch
R:T=100:0 or 20:80 or 0:100
Extra WF PL10x/25mm
Invert Image Infinity Gemel Trinocular Head, High Eyepoint Plan PL10x/25mm, Diopter Adjustable


Plan Fluor 4x/0.13 ∞/0.17
Plan Fluor 10x/0.30 ∞/0.17
Plan Fluor 20x/0.50 ∞/0.17
Plan Fluor 40x/0.75 ∞/0.17
Plan Fluor 100x/1.28 OIL ∞/0.17
BF 6 Holes Nosepiece
For Bright Field, With Socket For DIC Slide & Polarizing Analyzer Slide
Semi-APO Objective
Infinity Plan Semi-APO Fluorescent Objective
4x, 10x, 20x, 40x, 100x


Large Working Stage
Double Layer Mechanical Stage, 187*166mm, Tension of Torque Adjustable.

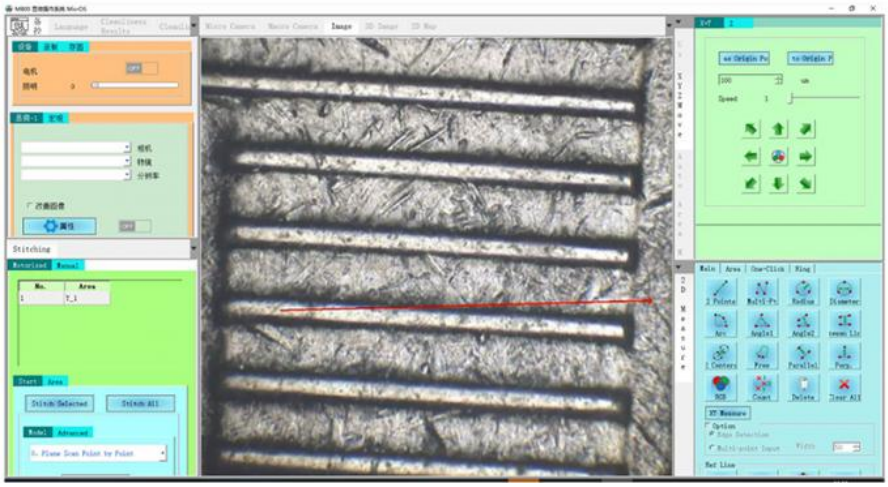

0.8 0.6 0.4 0.2
Swing-Out Condenser
Swing-out Type Achromatic Condenser, N.A.0.9/0.25


12
10
8
6
4
P
RE-SET
Digital Dimming Illumination
12V100W Halogen Illumination with Iris Diaphragm, With Light Indicator, Digital Dimming System Have Brightness Set & Reset Function


Transmit Filters
Built-In Transmit Filters LBD/ND6/ND25
OP
LBD
ND25
ND6

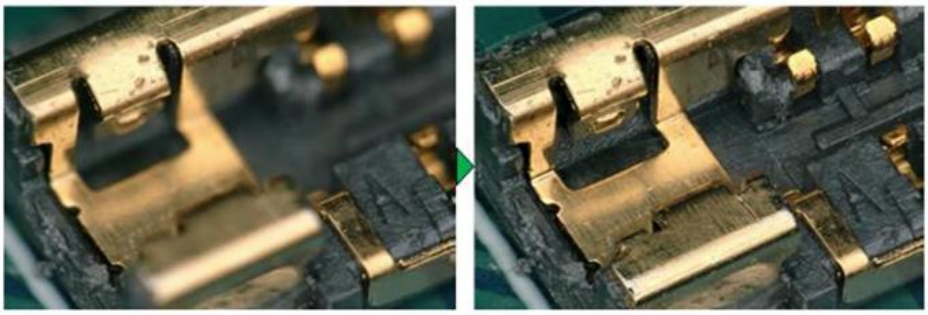

TENSION
Coaxial Focusing
Low-Position Coaxial Coarse & Fine Adjustment
With Coarse Adjustment Stop And Tightness Adjustment.

Maxcope Software Features



XY Motorized Control

Control the motorized stage through software, support one-click set/return to origin point, Long press the mouse and drag in the camera preview window to control the electric platform to move in the corresponding direction

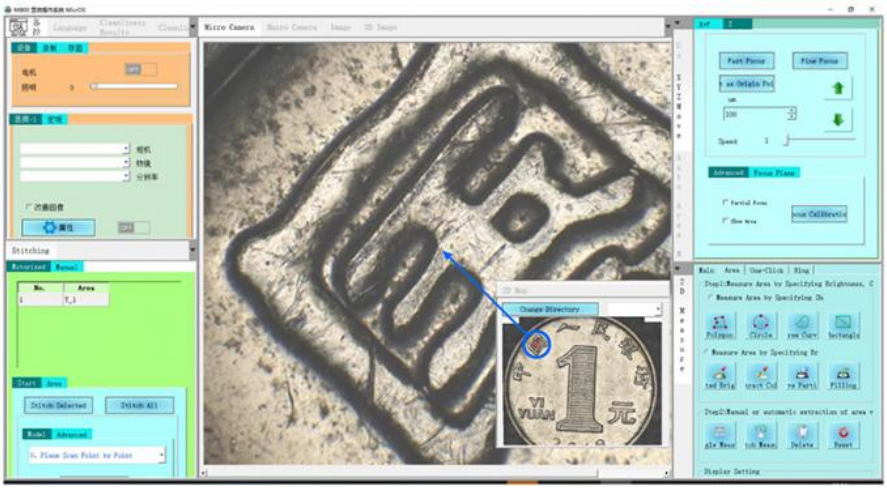


Z Motorized Control

The software controls the Z-axis motorized lift, support professional functions such as manual focus/auto focus/super depth of field fusion, create 3D image for view & measurement

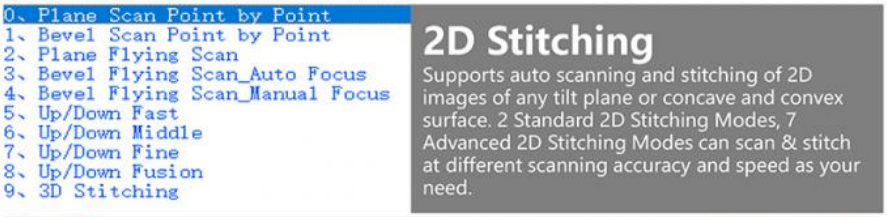
Motorized Nosepiece

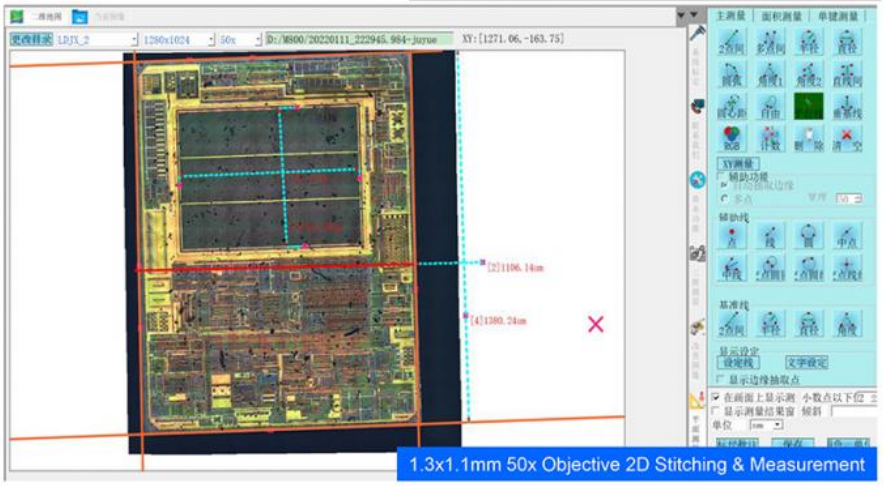
Optional motorized nosepiece models, you can select different objective lenses in the software, and switch the magnification with one key

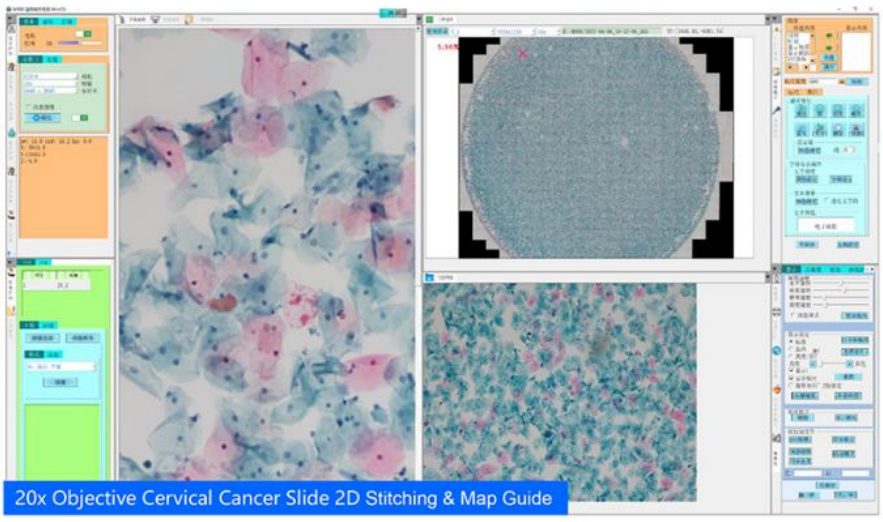


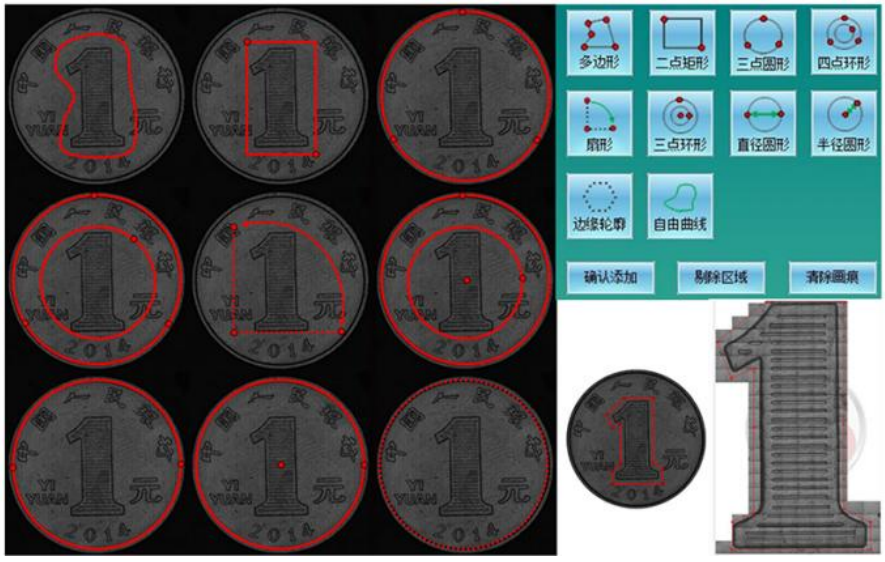
2D Map Guide

After scanning and stitching to generate a panoramic image, it can be used as an electronic 2D map for navigation. Click the 2D map to control the motorized stage to quickly locate the specified position for high-magnification observation



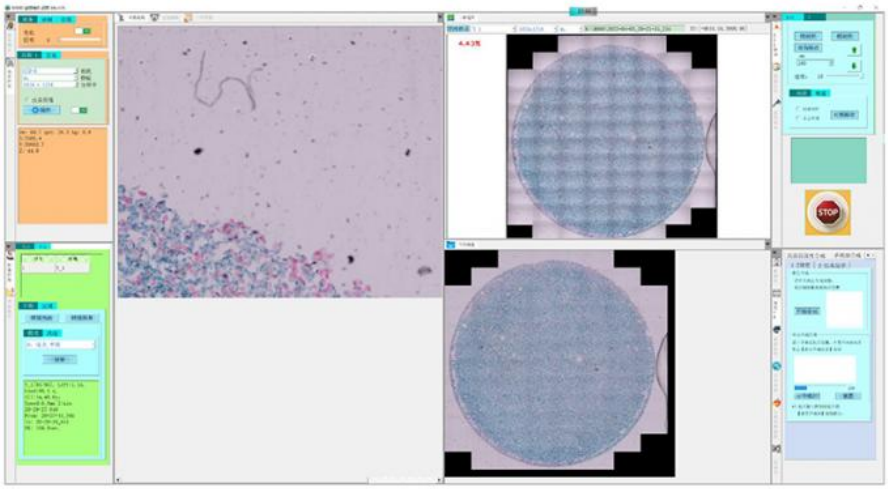






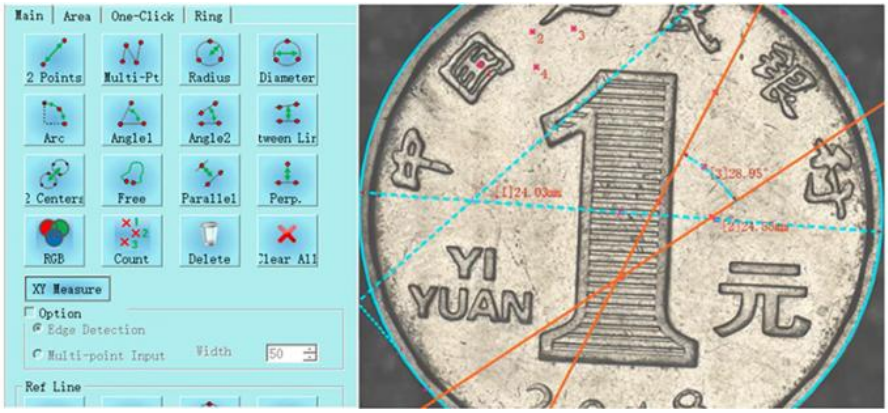
Free Stitching Area

10 stitching area modes can quickly set stitching areas of any shape. Outline mode can automatically detect the edge contour of the object as the stitching area.



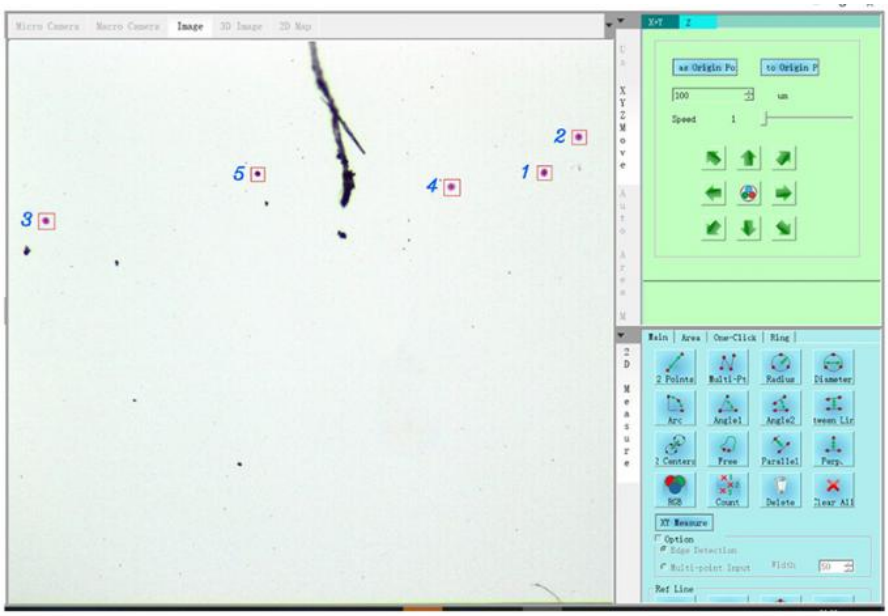
Stitching Optimize

The built-in advanced algorithm can intelligently optimize and correct the grid phenomenon and shadow phenomenon caused by lens aberration, uneven lighting and other factors when scanning and stitching, so that the stitched image will be one high-definition, no offset, no grid, no shadow.



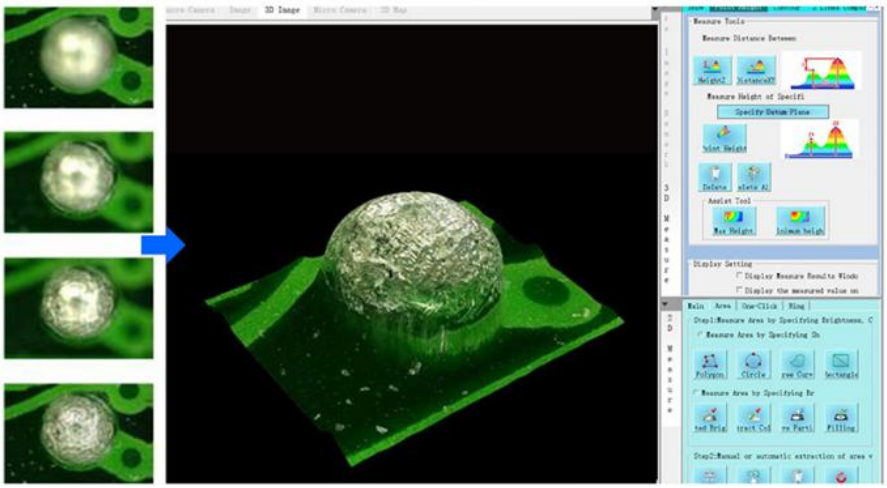
2D Measurement

10+ Functions, including length, angle, radius, diameter, free curve length, radius, diameter, arc length, RGB measurement, counting, etc., and a variety of auxiliary lines and reference line tools are provided.



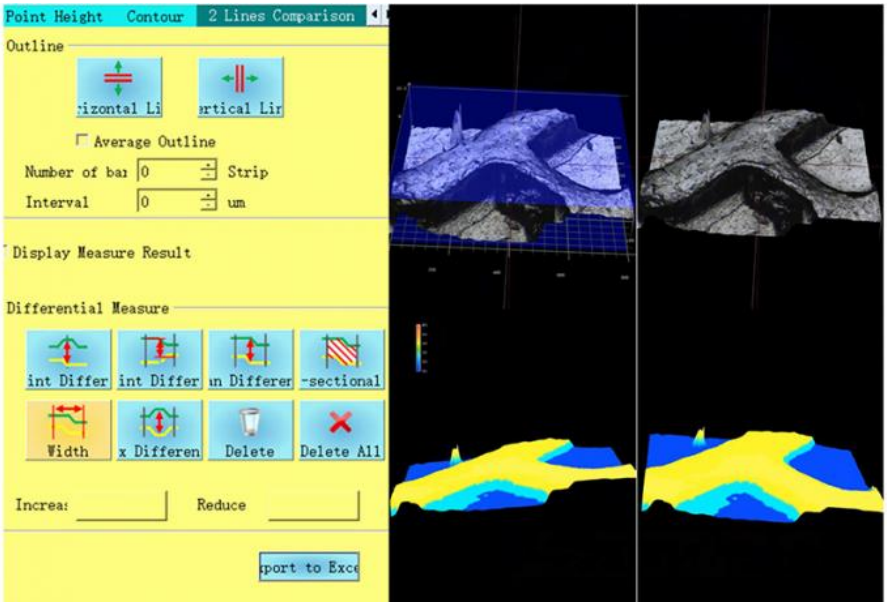
One Click Auto Measurement

Multiple measurement items can be saved as templates, software intelligently matches similar shapes, removes redundant targets or separates overlapping targets, automatically performs unified measurement, counting and analysis for multiple targets by one click



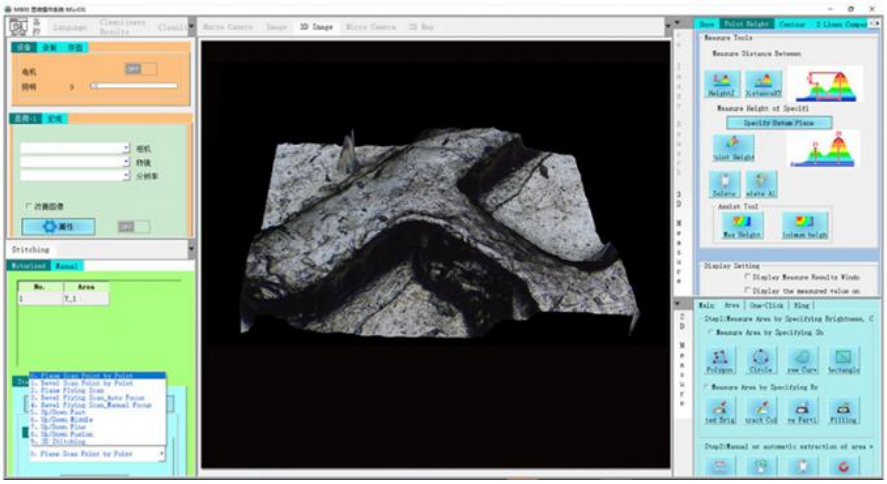
3D Stitching

3D stitching mode can automatically focus on uneven objects, take pictures at different heights, obtain a full-frame clear 2D image composed of all clearly focused images, and stitch all focused image together to form a 3D image, and retain all the 3D measurement data of the observed object



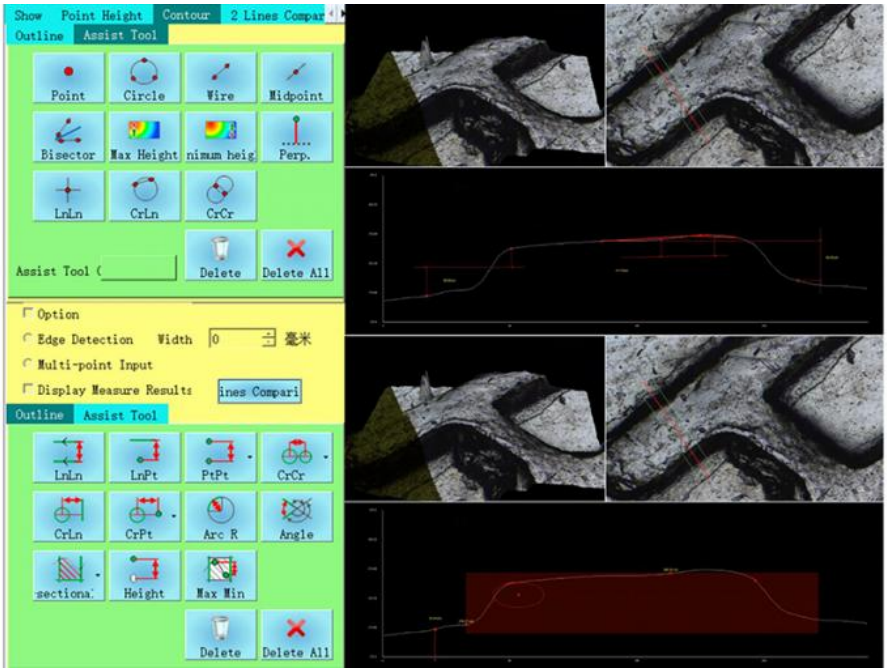
3D Image Comparision

Two 3D images can be opened at the same time, synchronously rotated, zoomed in and out, compared and analyzed, and the comparison results such as height difference and shape difference can be automatically displayed through color identification



3D Image View

The saved 3D image can be opened at any time, controlled by the mouse to rotate freely, zoom in and out, open the ruler, color identification and other auxiliary tools, which is convenient to visually observe the 2D surface shape and 3D structure of the object from any angle



3D Measurement

3D image also saves all the three-dimensional measurement data of the observed object, and supports any measurement of the observed object later, including the height, depth, length, roughness, convex area, concave area, convex volume, concave volume, etc

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