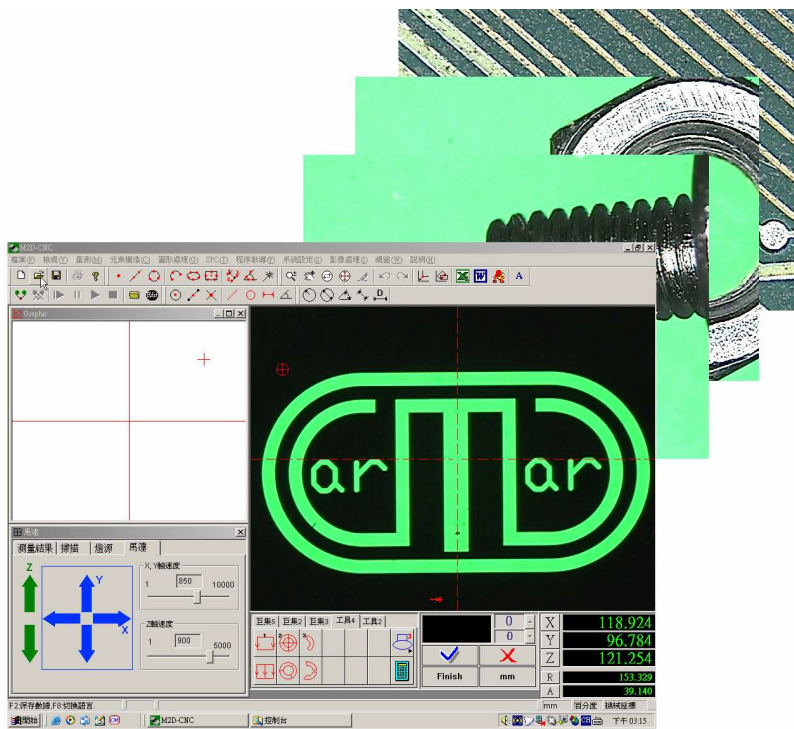


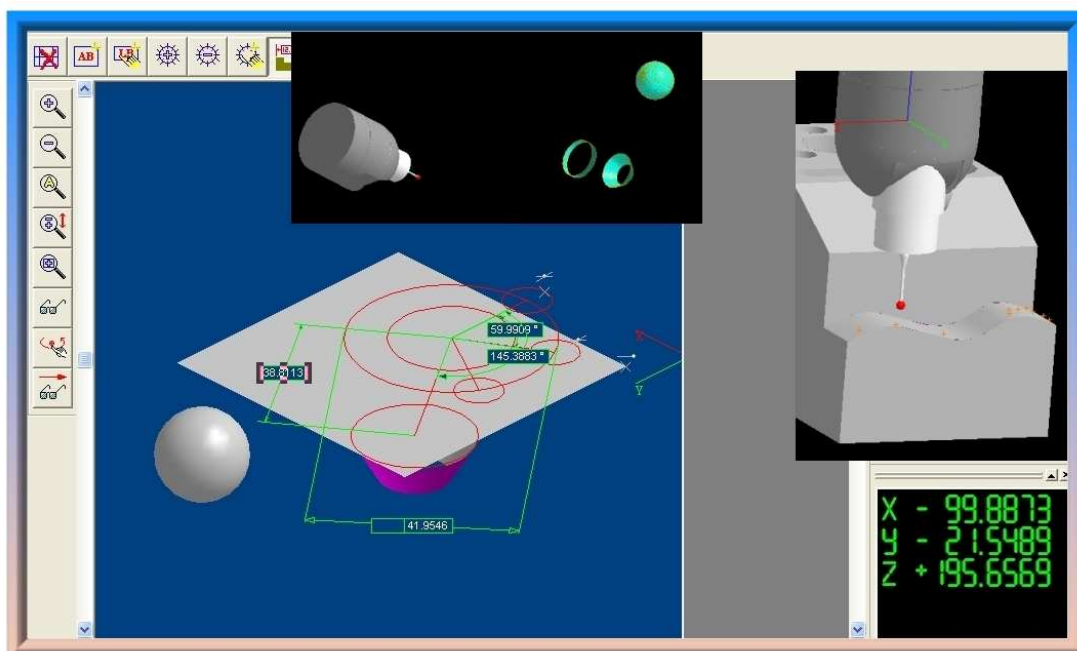


## Professional measurement software

### ❑ Image measurement software (M2D-AT)



### ❑ CMM measurement software (M3D)





## M2D-AT Series specifications:

<b>Features</b>
<ol style="list-style-type: none"><li>1. Construct the point, line, circle, arc and ellipse by multi-point measurement.</li><li>2. Convenient operation on axis-skewing and coordinate-shifting.</li><li>3. The functions of element-combination can enhance the efficiency by simply choosing the icons of point, line, circle, distance and angle.</li><li>4. MACRO function for batch measurements.</li><li>5. Constructed picture can be save as dxf files and edit in AutoCAD.</li><li>6. Measured data can be sent to Excel software and draw easily in Xbar-S graph.</li><li>7. Program recording, instruction editing and teaching program executing.</li></ol>
<b>Software functions</b>
<ol style="list-style-type: none"><li>1. Element measurement : multi-point measurements on point, line, circle, arc and ellipse ; measuring the rectangle with preset number of points; automatically identifying the point, line, circle and arc.</li><li>2. Element construction : construct the center, point of intersection, midpoint, line, circle and angle.</li><li>3. Element preset: point, line, arc and angle.</li><li>4. Graph management : coordinate shifting and coordinate skewing, axis skewing.</li><li>5. Graph zoom in, zoom out, move, print out, select, cancel select and delete.</li><li>6. Image brightness, saturation and contrast is settable, and the image can be saved as bmp format.</li><li>7. Improving the manual data gathering efficiency by selectable edge detecting techniques, automatic data point gathering and arc/circle automatic recognition technique.</li><li>8. 640 x 480 pixels image size and S-video signal input.</li></ol>
<b>Computer configuration requirements</b>
<ol style="list-style-type: none"><li>1. Hardware : P4, 1.7G CPU, minimum 128MB main memory, minimum 32 MB display memory, one USB port and one PCI slot.</li><li>2. Display resolutions 1024 x 768 pixels; 24 bits or 32bits color quality.</li><li>3. Operation system: Windows 2000 or Windows XP.</li><li>4. Supporting application software: Excel, AutoCAD.</li></ol>



## **M3D Series specifications:**

### **Features**

1. Various reference standards are accepted to calibrate the probing system and realize the oriental correction of equivalent radius on probe tip.
2. It can easily establish the datum coordinate system and part coordinate system, and these coordinate systems are interchangeable.
3. The Cartesian coordinate system is interchangeable between Cylindrical coordinate system and Spherical coordinate system.
4. The geometrical characteristic parameters are detected and calculated by multi-point fitting technology.
5. The detecting functions can be added according to the requirements from users.
6. The new elements or calculated dimension (distance and angle ) of work pieces can be constructed by 8 different ways ( combination, parallelism, parallel, verticality, intersection, projection, symmetry, mirror mapping and statistics) according to the detecting outcome.
7. It can detect various shape and position errors of work pieces.
8. The detecting outcome can be displayed or printed out by arranging in column of graph, and they also can be transformed as AutoCAD, Excel, Word format to satisfy different need from users.
9. It can calibrate the symmetric errors of coordinate accuracy.
10. It can carry out the temperature compensation under constant temperature condition.
11. The “teaching” window can guide the operators to measure the work pieces step by step and show up the current measuring position.
12. The users can define the hot keys to increase the measuring efficiency.
13. It can display the sufficient information in English or Chinese to facilitate learning and operation.



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