



MEASUREMENT SOFTWARE

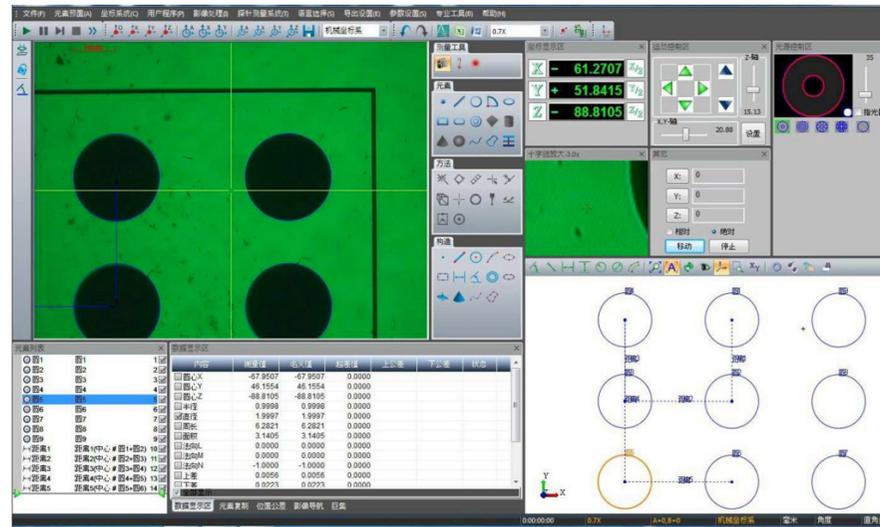
CARMAR 2.5D Series Intelligent Software

Application

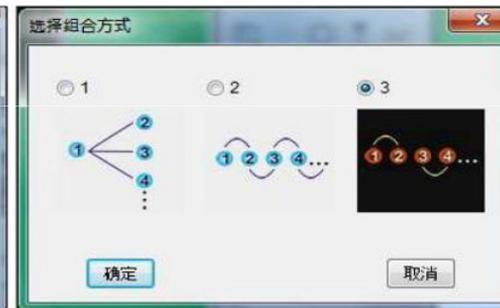
This series of measurement software is independently developed by Carmar Accuracy multi-sensor measurement applications. It enables visual analysis and inspection of 2D coordinate measurements, supports 3D geometric element measurements using probes, and allows for flatness and height measurements using laser displacement sensors. It is widely applied in various precision manufacturing industries such as mobile phone components, molds, electronics, telecommunications, machinery, hardware, plastics, instruments, watches, PCBs, LCDs, and more. Measurable materials include metal, plastic, rubber, glass, PCB, ceramic, etc. The system provides image and probe-based measurement of various basic geometric elements such as points, lines, circles, arcs, ellipses, rectangles, keyways, planes, open curves, closed curves, cylinders, cones, spheres, etc. Measured geometric elements can be exported in DXF, IGES, DRL, BMP, or JPG formats. Inspection results can be exported in Excel, Word, or TXT formats.

Software Features

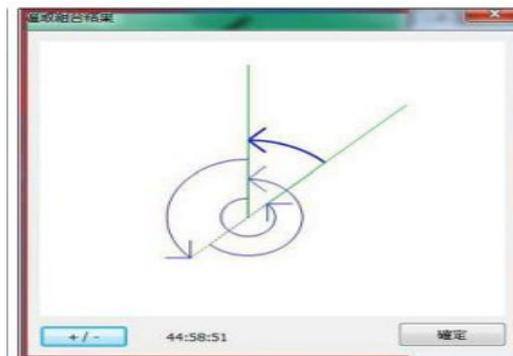
- Supports both image and probe measurement functions
- Provides assisted focusing and various measurement and construction methods
 - Includes scanning functionality
- Enables white light interferometry for coating thickness measurement
 - Offers image navigation capabilities
- Supports measurement using image processing, probes, and laser displacement sensors
 - Offers various types of report generation formats
 - Fixture, scanning, navigation, and measurement tools.
 - Smart control: stage, zoom, focus, lighting, XYZ, and easy calibration.
- Laser displacement measurement for workpiece flatness, height, and parallelism
 - Compatible with various motion controllers
- Supports both fully automatic and semi-automatic measurement modes
 - Wire insulation thickness: max, min, average.
- Safety height setting to prevent collision during measurement



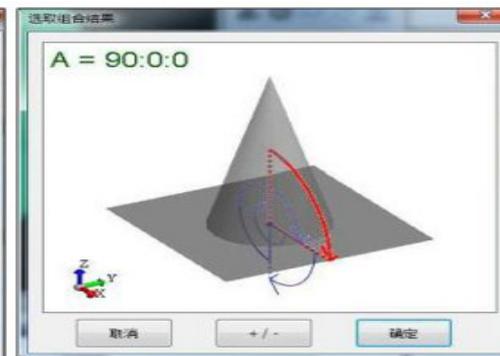
Intuitive & user-friendly design



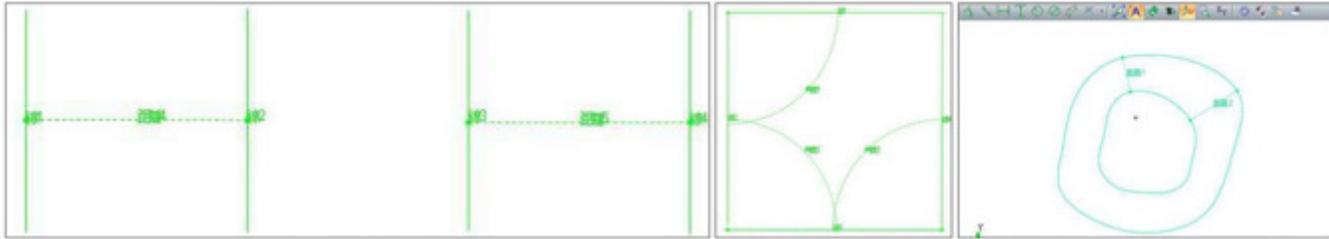
Laser Displacement Measurement Quick Combination of Distance/Angle, etc.



Multi-Angle Construction



3D Element Angle Visualization



Quick Combination of Distance Quick Construction of Angles / Maximum and Minimum Distance Between Two Contours



Probe Measurement /

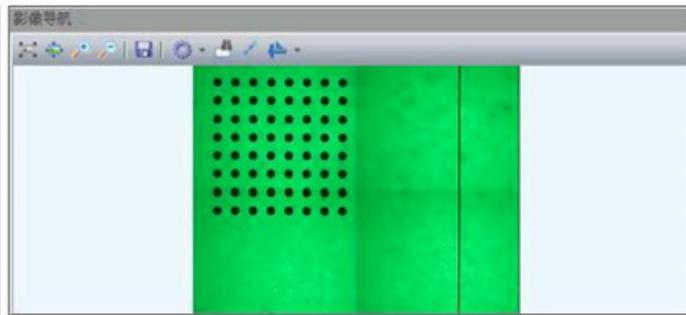


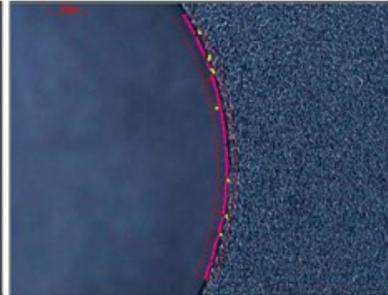
Image Navigation /



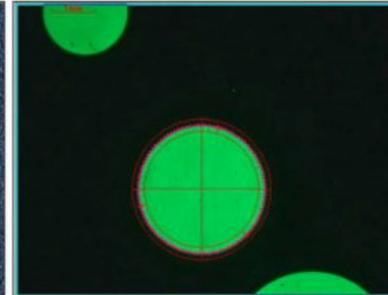
Element Duplication



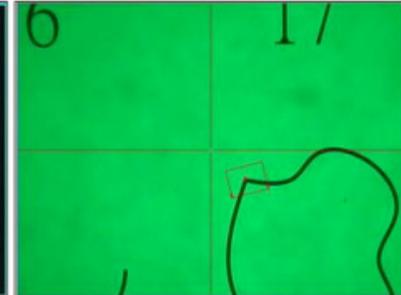
Macro /



Weak Edge Detection/



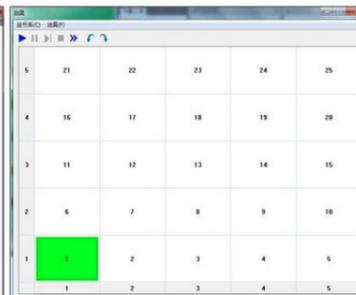
Intelligent Edge Detection/



Tip Point Detection



Calculator/



Fixture Measurement/Custom/Special Mode Report Settings

