DMP-3000
Measurement & Imaging Software

Get instant results in **DRO** view.

Show step results in **Step** view.

List part program in **Program** view.

Setup tool parameters in Tool View

Display status in Feature view.

Show live or bitmap image in **Image** view.

Show CAD-like graphics in **Part** view.
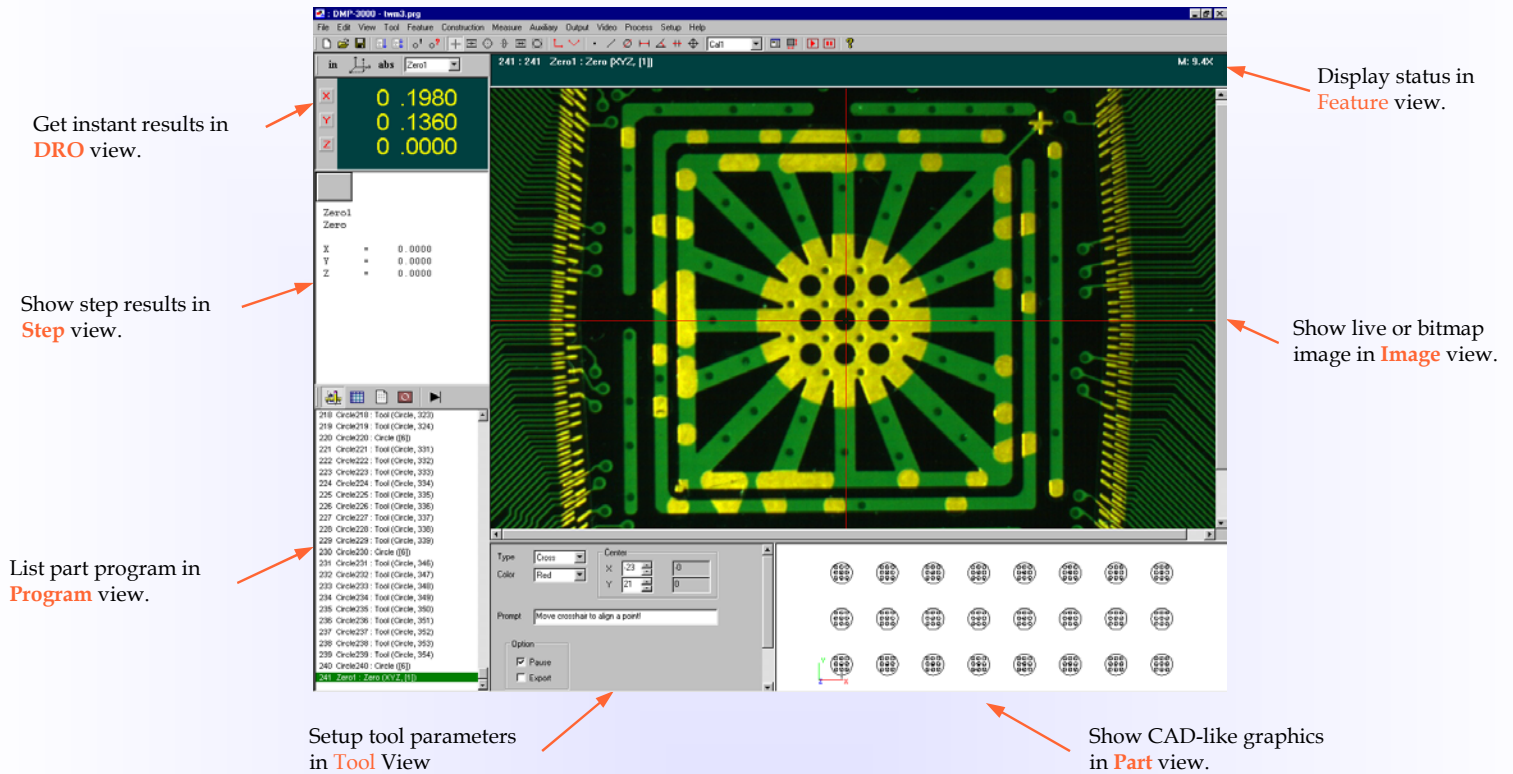
The DMP-3000 software is a PC-based, dimensional measurement software, for manual Coordinate Measuring Machines. The software uses the latest digital image processing technology to capture and analyze video images for dimensional measurement. It then compares the measurement to nominal values and tolerances to identify conditions of non-conformance. The DMP-3000 tolerance functions conform to ASME Y14.5M 1994. It can measure the part size up to stage size.

The software is for Windows 95/98/ME, Windows NT 4/2000/XP. It takes the advantage of the latest operating systems and provides you a familiar, graphical environment to complete your measurements. The software can be easily linked to other Windows applications, such as spreadsheets, SPC and best-fit packages.

The software is designed for image documentation, product inspection and quality control. The software reads the stage locations from linear scales and extends the measurement range to the size of the stage. The software is easy to use and it will deliver reliable and repeatable precision measurement results on the hardware of your choice.

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Main DMP-3000 Features

- Support FireWire digital camera or frame grabber for live image display, measurement and annotation.
- Up to three axes display and measurement.
- Stage mapping.
- Advanced edge detection for sub-pixel accurate measurement.
- CAD import and export.
- Easy dimensional measurement with CAD-like graphics.
- Supports inch, millimeter, mil and micron units, Cartesian and Polar coordinates.
- Datum reference frame for alignment and tolerance.
- User-defined measurement calculations and functions.
- Up to 32000 points per feature.
- Save, open, run and edit part program capability.
- Group editing.
- Real-time linked to other applications, such as spreadsheets, SPC and best-fit.
- Custom report.
- Flexible data format for post processing.
- Color or monochrome images acquisition, archiving and retrieval.
- Image annotation and comparison.
- International language support.

Features and Functions

File
- New
- Open
- Save
- Save As
- Properties
- Run
- Run Step
- Run Repeat
- Import
- Set Origin
- Export
- Recent Files
- Exit

Output
- Format
- DDE Link
- Save Results
- Print Results
- Send Results
- Edge Points
- Result Buffers

Help
- Help
- About

Tool
- Find
- Teach
- Copy
- Test
- Update
- Edit
- Crosshair Tool
- Edge Tool
- Circle Tool
- Arc Tool
- Linewidth Tool
- Ellipse Tool
- Area Tool
- Cross Target
- Rectangle Target

Feature
- Tool
- Relative Tool
- Point
- Line
- Arc
- Circle
- User Feature
- Gauge Ball
- Gauge Diameter

Measure
- Edit
- Distance
- Circle
- Linewidth
- Angle
- Area
- Position
- Circularity
- Concentricity
- Straightness
- Angularity
- Parallelism
- Perpendicularity
- Size
- Statistics
- Create Result Buffer
- Add Result Buffer
- Clear Result Buffer

Auxiliary
- Comment
- Prompt
- Calibrate X
- Calibrate Y
- Set Calibration
- Camera

Video
- Live Image
- Capture
- Open Image
- Import Image
- Histogram
- Pixel
- Enlarge
- Maximize
- Reference
- Overlay
- Subtract
- Blink
- Compare
- Copy Image
- Save Image
- Print Setup
- Print Preview
- Print

Setup
- System Setup
- Lock Tool X
- Lock Tool Y
- Calibration
- Change Password
- Restore Password
- Home

Construction
- Zero
- Frame
- Offset
- Project
- Mirror
- Rotate
- Parallel
- Intersect
- Bisect
- Perpendicular
- Create Variable
- Math

View
- Zoom In
- Zoom Out
- Zoom Window
- Zoom All
- Zoom Viev
- Show Drawing Bar
- Show Annotation
- Shift Graphics
- Rotate Graphics

Edit
- Setup
- Modify
- Insert
- Delete
- Select All
- Remove Last
- Rename
- Print
- Cancel
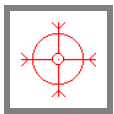- Duplication
- Set Break Point
- Clear Break Point

Annotation
- Color
- Line Width
- Text
- Line
- Arrow
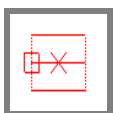- Circle
- Rectangle
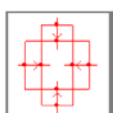- Ellipse
- Polygon
- Curve
- Ruler

Image Tools
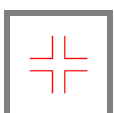
 Crosshair Too: Manual define a single point.

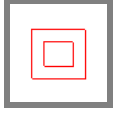 Edge Tool: Automatically find all points on an edge.

 Circle Tool: Automatically find all points on a circle.

 Arc Tool: Automatically find all points on a radius.

 Linewidth Tool: Automatically find all points on two parallel edges.

 Area Tool: Automatically find the area and centroid of an area.

 Slot Tool: Automatically find all points on four sides.

 Ellipse Tool: Automatically find all points on an ellipse.

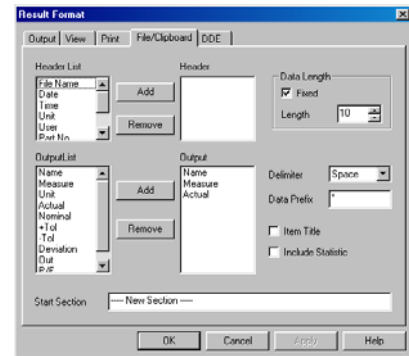 Cross Target: Automatically find a cross pattern.

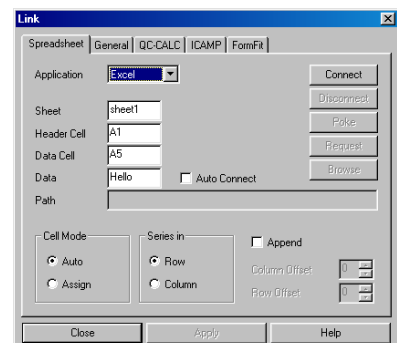 Circle Target: Automatically find a circle pattern.

 Rectangle Target: Automatically find a rectangle pattern.

Results

Flexible and independent result formats for various outputs.

Seamless and real-time link to third party software.