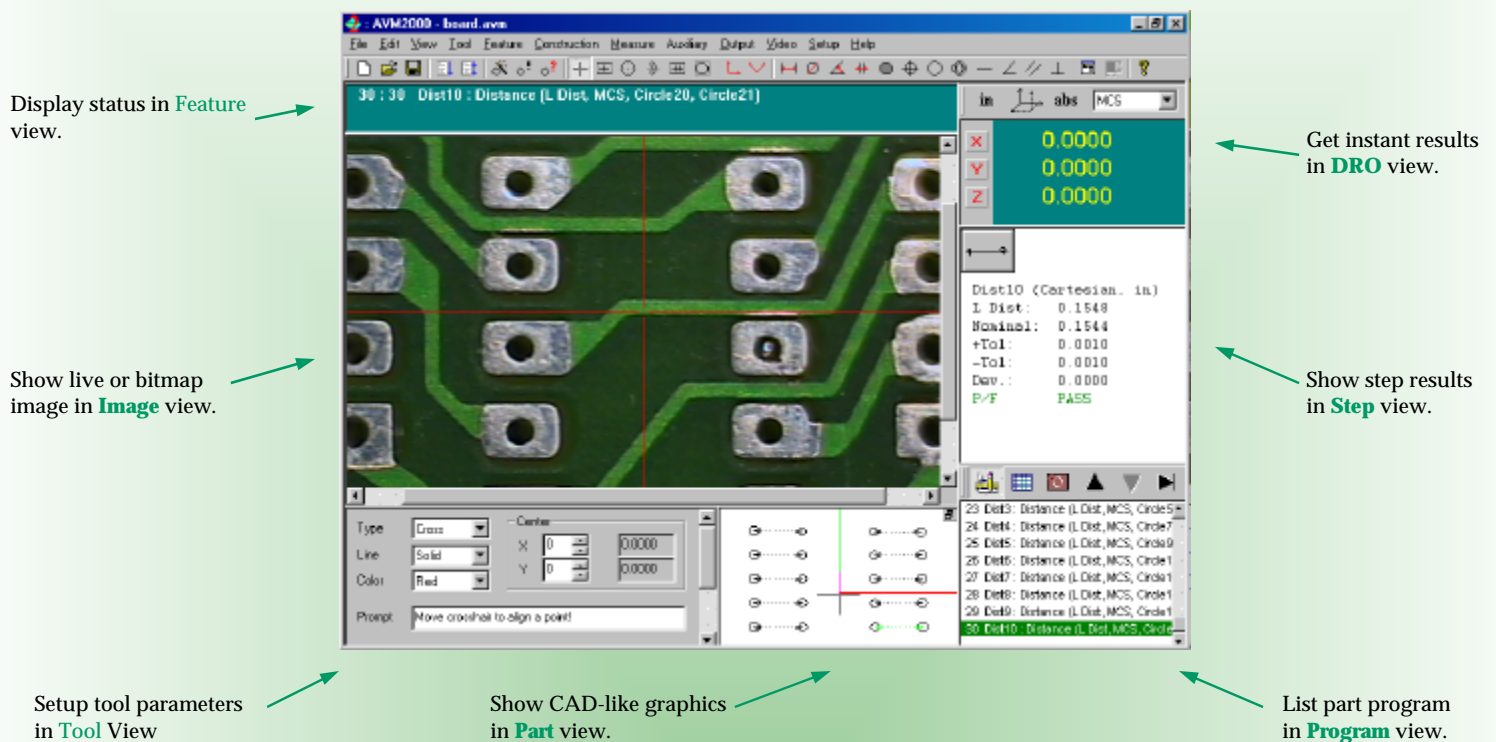


AVM2000 Dimensional Measurement Software



The AVM2000 software from ZView is a PC-based, dimensional measurement software, for motorized Coordinate Measuring Machines. The software uses the latest digital image processing technology to analyze video images for dimensional measurement. It then compares the measurement to nominal values and tolerances to identify conditions of non-conformance. The software can also be integrated to your application.

The software works with Windows 95/98/ME, Windows NT 4.0 and Windows 2000/XP. It takes the advantage of the latest operating systems and provides a familiar, graphical environment to complete your measurement. The software can be easily linked to other Windows applications, such as spreadsheets and SPC packages. The AVM2000 tolerance functions conform to ASME Y14.5M 1994.

The software is designed for image documentation, product inspection and quality control. The software provides a full range of functions for image capture, measurement, archival, image comparison, image and result output. The software is easy to use and it will deliver reliable and repeatable precision measurement results on the hardware of your choice.

Main AVM2000 Features

- Multiple screen layouts
- Optional laser capability for high precision Z measurement.
- Advanced edge detection for accurate measurement.
- Easy dimensional measurement with CAD-like graphics.
- Inch or millimeter units, Cartesian and Polar coordinates setting.
- Datum reference frame for alignment and tolerance.
- Part program play back.
- Save, open, run and edit part program capability.
- Up to 32000 points per feature.
- Group editing.
- Color or B/W image acquisition, archiving and retrieval.
- Image annotation and comparison.
- Live image or bitmap image processing.
- Image Overlay with image, text or edge points.
- TWAIN support.
- Real-time linked to spreadsheet.
- Flexible data format for SPC and post processing.
- International language support.
- On-line help.

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E-Mail: info@zview.com

Features and Functions

File

- New
- Open
- Save
- Save As
- Properties
- Run
- Run Step
- Recent Files
- Exit

Setup

- System Setup
- Lock Tool X
- Lock Tool Y
- Calibration
- Home
- Move Abs
- Move Inc

Tool

- Find
- Teach
- Copy
- Test
- Update
- Edit
- Crosshair Tool
- Edge Tool
- Circle Tool
- Arc Tool
- Linewidth Tool
- Area Tool

Feature

- Tool
- Relative Tool
- Point
- Line
- Arc
- Circle

Measure

- Edit
- Distance
- Circle
- Linewidth
- Angle
- Area
- Position
- Circularity
- Concentricity
- Straightness
- Angularity
- Parallelism
- Perpendicularity

View

- Zoom In
- Zoom Out
- Zoom Window
- Zoom All
- Zoom View

Video

- Freeze
- Live Image
- Stored Image
- Import Image
- Draw Text
- Show Edges
- Histogram
- Enlarge
- Maximize
- Select Image
- Overlay
- Subtract
- Switch
- Compare
- Copy Image
- Save Image

Help

- Help
- About

Construction

- Zero
- Frame
- Offset
- Project
- Mirror
- Rotate
- Parallel
- Intersect
- Bisect
- Perpendicular

Auxiliary

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

Edit

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

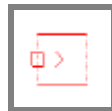
Output

- Format
- DDE Link
- Save Results
- Print Results
- Edge Points

Image Tools



Crosshair Tool: Manual define a single point.



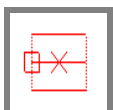
Edge Tool: Automatically find all points on an edge.



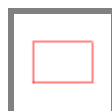
Circle Tool: Automatically find all points on a circle.



Arc Tool: Automatically find all points on a radius.

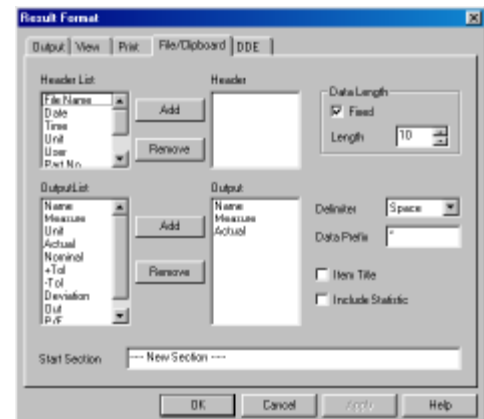


Linewidth Tool: Automatically find all points on two parallel edges.

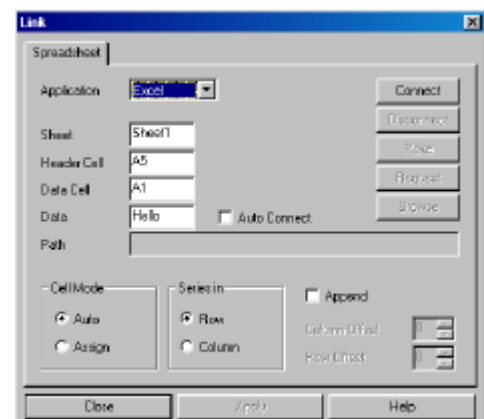


Area Tool: Automatically find the area and centroid of an area.

Results



Flexible and independent result formats for various outputs.



Seamless and real-time link to spreadsheet.