MADE IN USA

High Resolution Digital Imaging

Precision XY and Height Measurement

Auto-focus

Sub-pixel edge detection

Turnkey Metrology Solution

- *Digital readout (DRO) within the software*
- *Clear sharp images with high resolution digital camera and high quality optics*
- *Multiple objectives and eyepieces*
- *Annotation and image capture for failure analysis or part history documentation*
- *Data analysis directly to Excel*
- *Overlay features for comparison*
- *Part profile export*
- *Dell WLCD flat panel monitor with Windows 7*
- *Optional Touch screen operation*
- *User friendly DMP3000 metrology software*

System Features

Travel:	(X) 8 x (Y) 4 x (Z) 5 inch
Drive:	Manual XY
	Motorized Z
Encoder:	0.0005 mm on XY
	0.0002 mm on Z
Camera:	1.4M color CCD digital camera.
Optics:	Microscope head with 10X eyepieces
MS1 Objective:	4X, 10X, 20X, 40X
Lighting:	Manual coaxial & sub-stage
Software:	DMP-3000 metrology software
Computer:	Dell mini-tower
Monitor:	22 inch LCD
OS:	Windows 7 Professional
Dimension:	20 (W) x 26 (D) x 24 (H) inch
Warranty:	One year warranty

Options

Base:	Granite
Encoder:	0.0001 mm resolution
Lighting:	Programmable computer control
Computer:	All-in-one or portable
Monitor:	22" touch screen
Camera:	CCD or CMOS digital camera.

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Quality Metrology Provider Since 1998

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Features and Functions

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

Auxiliary
- Comment
- Prompt
- Calibrate X
- Calibrate Y
- Set Calibration
- Camera
- In Port
- Out Port

Help
- Help
- About

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

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

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

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

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

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

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

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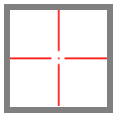- User Feature
- Gauge Ball
- Gauge Diameter

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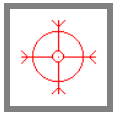- Set Break Point
- Clear Break Point

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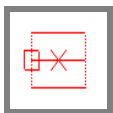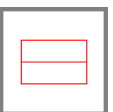- Ellipse
- Polygon
- Curve
- Ruler

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.

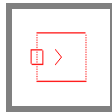Arc Tool: Automatically find all points on a radius.

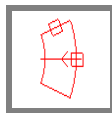Linewidth Tool: Automatically find all points on two parallel edges.

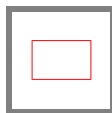Area Tool: Automatically find the area and centroid of an area.
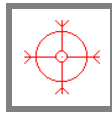
Focus Tool: Auto-focus.

Ellipse Tool: Automatically find all points on an ellipse.

MH1 Microscope Head

MH2 Microscope Head

Plan Achromatic Objective Lens	Working Distance (mm)
4X	25.4
10X	11.0
20X	6.0
40X	3.7
80X	0.2

80X is optional

M Plan Apo L	Working Distance (mm)
2X	34.6
5X	45
10X	34
20X	30.8
50X	20.5
100X	12.5

100X is optional