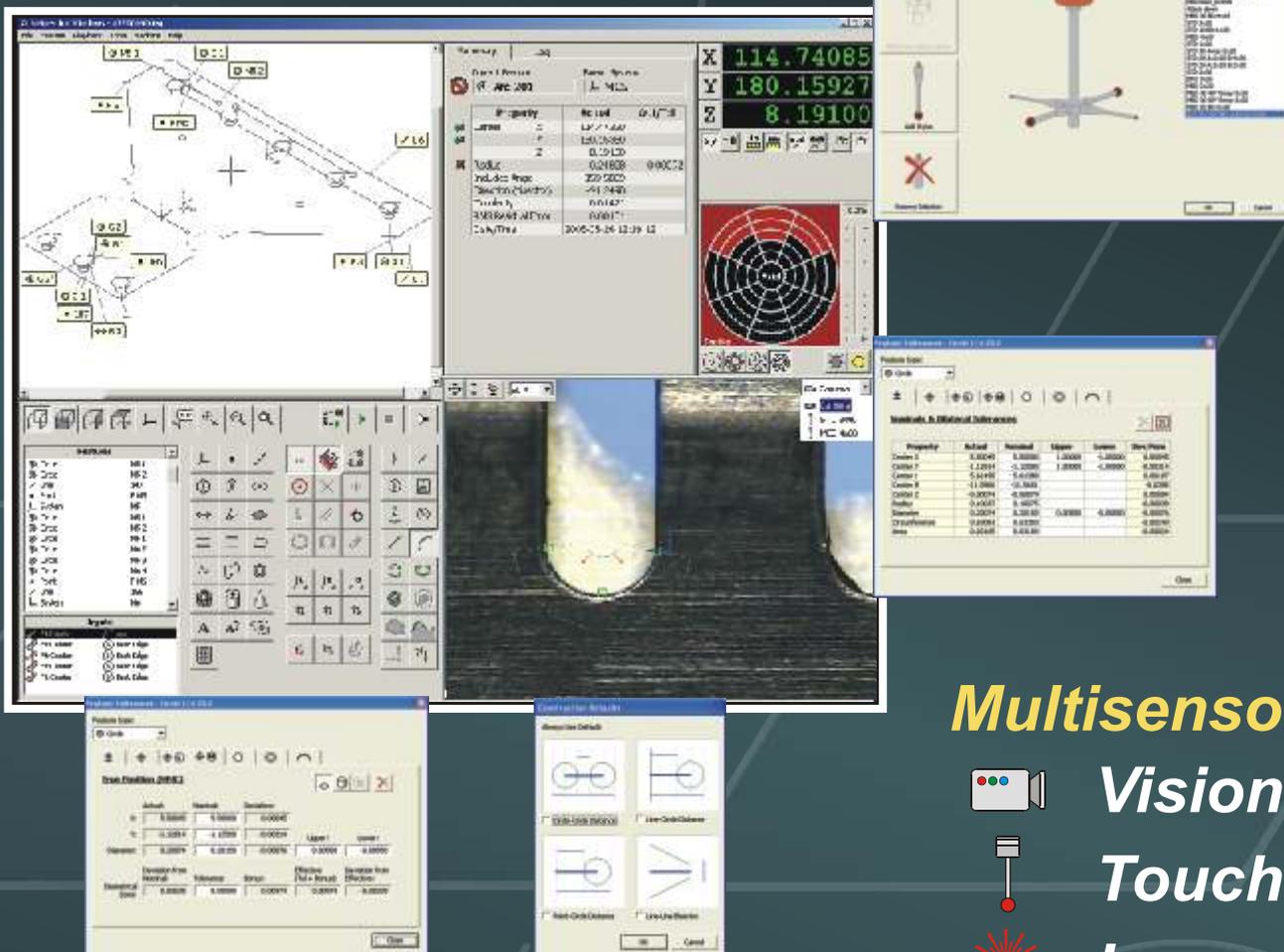# InSpec Metrology Software

Powerful and Intuitive

- *Measure*
- *Construct*
- *Tolerance*
- *Report*

Centrally located icons, a fixed window display, and point-and-click "programming" improve productivity.

Multisensor

- *Vision*
- *Touch*
- *Laser*

Micro-Vu Corporation
Precision Measurement Systems Since 1959

InSpec Metrology Software

Simple User Interface:
Camera Window
Feature Summary & Log
Part Schematic
Program List and Icons

Powerful Image Tools:
Manual Point
Focus Point
Best Edge
First Edge
Closest Edge
Line Scan
Arc Scan
Circle Scan
Ellipse Scan
Profile Circle
Closed Profile
Open Follower
Closed Follower
O-Ring Tool
Through-Point

Feature Types:
Point
Line
Arc
Circle
Angle
Distance
Plane
System
Ellipse
Gap
Rectangle
Slot
Open Spline
Closed Spline
O-Ring
Sphere
Cylinder
Cone
Composite
Calculator
Text
Prompt
Part Separator

Constructions:
Auto Construct
Intersection
Perpendicular
Parallel
Bisect
Centered
Fit Points
Circumscribe
Inscribe
Form Fit
Off-Set
Store/Recall

Pin Up Dialogs:
Feature Tolerancing
Multi-Feature Tolerances
Feature Exports
Multi-Feature Exports

Feature Properties:
Cartesian (XYZ) Position,
Polar (RThetaZ) Position,
Radius, Included Angle,
Diameter, Concentricity,
True Position RFS, MMC, LMC
Composite True Position,
Pitch, Skew, Roll,
Vertex, Angle, Direction,
Length, Width, Height,
Maximum and Minimum Width,
Major and Minor Axis,
Straightness, Circularity,
Flatness, Sphericity,
Cylindricity, Conicity,
ID, OD, Thickness,
Line Profile, Surface Profile,
Area, Volume, Perimeter,
Path Length, Circumference,
Perpendicularity, Parallelism,
Angularity, Form of Fit,
Date / Time
and more

Feature Functions:
Remeasure
Export
Tolerance
Delete
Rename
Translate
Rotate
Mirror
Set System
Edit Text
Edit Solution
Edit Inputs
Edit Lights
Edit Zoom

User Levels:
Configurable User Accounts
 Administrator, Programmer,
 Operator, & Custom Levels
Part Program Protection
System Calibration Protection

Automated Calibrations:
Non-Linear Stage Correction
Stage Verification
Optics Calibration
Zoom Calibration
Lights Calibration
Rotary Calibration
Probe Calibration
Perpendicularity Calibration

Temperature Compensation:
Expansion Coefficient List

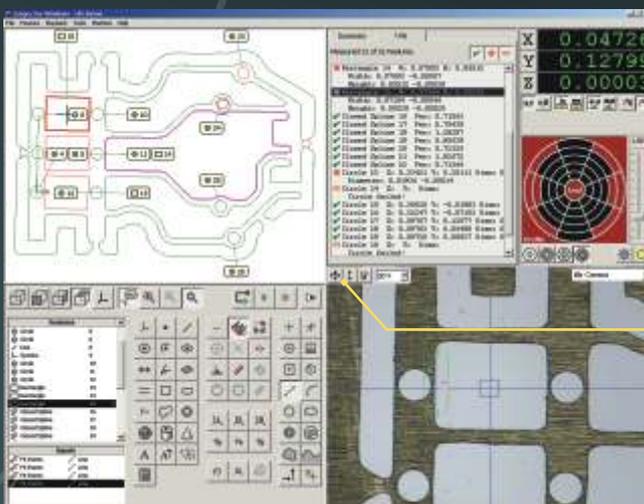**Data Import / Export:**
DXF Import and Export
2D & 3D Data Point Export
Other Importers Available
 Gerber, Excellon, & IGES
Auto-Export to File, Serial
 Port, Printer, & ODBC

Touch Probe:
Intuitive Interface
Automated Docking
Automated Tip Qualification
 Including Lobing
Automated Z Scale and
 XZ/YZ Calibration
Dynamic Approach Vectors
 and Solution Iteration
Automatic Retract
Adjustable Standoff
Distance
Standard Probe Naming

Rotary Indexer:
W Axis Part Rotation
Automated Calibration

Laser Probes:
Fast Z Measurements
Surfaces or Points

InSpec 2.XX Updates:
Free Software Updates
No Maintenance Fees

Sol Models **Vertex Models** **Excel Models**

Calibrated Illumination Control

On Screen Stage Controls
(For Automated Systems)

InSpec Metrology Software drives the advanced staging, electronics, imaging, and lighting resulting in high accuracy measurement systems.

InSpec makes it easy to measure parts, check geometric tolerances, collect measurement data, and generate reports.

InSpec has advanced focus and edge detection algorithms that provide superior performance with sub-pixel accuracy and repeatability.

Maximize productivity and minimize operator training with InSpec Metrology Software. The concise screen layout presents the part program, measurement data, the video image, and a schematic on a single screen. Spend more time measuring parts and less time navigating software.

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