MetLogix

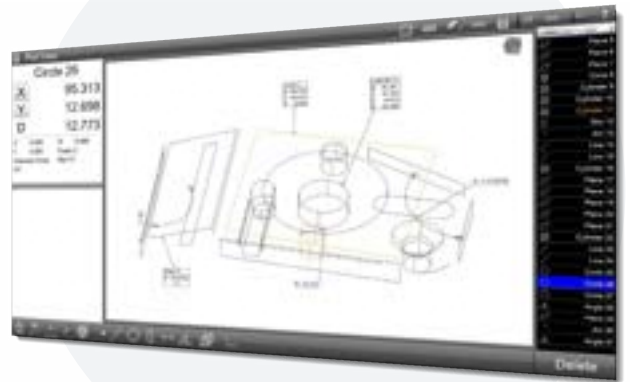# The M3 CMM

Supporting touch probe based CMM systems.

✓ Supporting Touchscreen controls.

✓ Cutting-edge user interface that is clean and intuitive.

✓ Simple yet powerful software solution for CMM systems.

Clean and Intuitive User Interface

The M3 CMM software provides the same intuitive user interface that MetLogix is known for.

Measurement, tolerancing, programming, and reporting are all accessed through simple icon-driven screens and menus using touchscreen controls or a keyboard and mouse.

Features and Constructions

Supporting industry standard feature measurement and popular construction types. Toggle feature construction sub-types quickly with the change feature type button. Expanded 3D feature geometries are supported through touch probe measurement of features in the XY, YZ and ZX planes.

Measure planes, cones, cylinders and spheres in 3D part space and then view results in the 3D part view.

Geometric Tolerancing

Apply popular geometric tolerance controls to measured and constructed features using the industry leading MetLogix tolerance system. Apply nominal and tolerance limits quickly, and view results accurately, in the large and easy to read data views.

Renishaw© Touch Probe Support

Make use of any of the standard Renishaw© probe holders (TP2, TP20, PH1, PH6, and others), supporting a wide range of styli shapes and sizes. Additionally the MH8 manual indexable probe can be used to calibrate a wide range of probe orientations, allowing for access to hard to reach probing surfaces.

Part Programming

Record inspection routines for simple playback of measurements, tolerance controls, data handling and printing steps. Just follow the green bouncing ball for guidance through your recorded program steps.
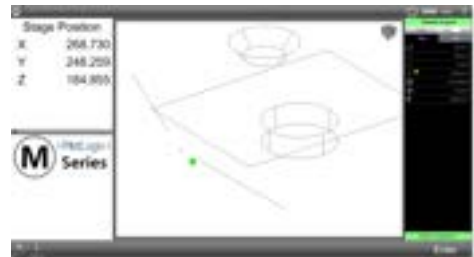
Runs Database and Results View

Track and analyze measurement run results for your M3 part programs. View past measurement results quickly and easily using the tabbed *run results* view. Perform quick cross-run analyses of feature results using the *Pivot* data mode. Add quick statistical feedback including min, max, range, average, and 6-sigma to your data for more detailed analyses of result trends and measurement repeatability.
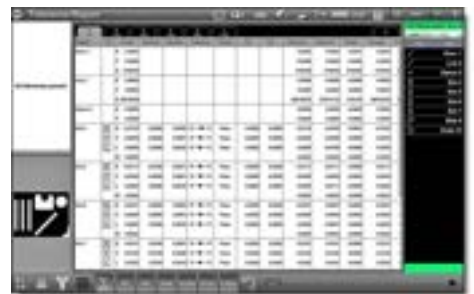
Flexible Report Content and Formatting

Customize data formatting, header information, and header and footer graphics. Include Part view graphics, time and date stamps, and operator information into any report type. Reports can be viewed, printed (local or networked printer), or exported (various formats, local or network folder location) at the conclusion of a single inspection routine, or they can be included in a part program.

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Machine Integration

Ask your MetLogix representative about the wide variety of encoder interface technologies and other hardware supported by the M3 CMM system.

Support for All Current Industry Standard Software Stage Calibration Methodologies

Robust and reliable machine calibration can be achieved using popular machine correction methods including Linear Error Correction (LEC), Segmented Linear Correction (SLEC), and squareness correction.

Industry Leading Operating System Platform

The Windows® operating system represents the current enterprise solution for computer software operating systems. You gain the performance and reliability of a globally recognized software solution as part of you measuring machine package.

MetLogix M Series Features Matrix	M1 Series	M2 Series	M3 Series
Optical edge detection	✓	✓	✓
Geometric functions	✓	✓	✓
XY, XYZ or XYQ axis support	✓	✓	✓
Data Reporting/Export	✓	✓	✓
Partview Display		✓	✓
Part programing and playback		✓	✓
Tolerancing		✓	✓
Feature annotation		✓	✓
Video edge detection			✓
Video image archive			✓
Touch probe			✓

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Help and Resources

Please visit the support section at www.metlogix.com for access to Metlogix product documentation.

Watch tutorial videos for popular Mx functions at http://www.youtube.com/metlogix

Join the discussion on Facebook, search "Metlogix".

Contacts

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