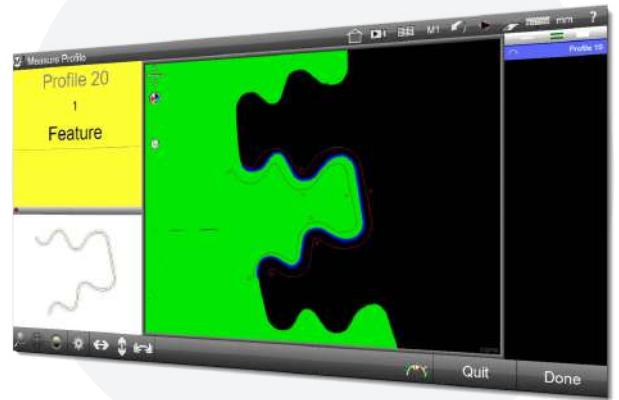


The M3 Profiling

Compare 2D profile geometries to nominal DXF data quickly and accurately.



- ✓ Supporting Touchscreen gesture controls.
- ✓ Clear and easy to read results for your profile fit routines.
- ✓ Cutting-edge user interface that is clean and intuitive.

Profile Measurement and Analysis

The Profiling option compares measured part data to nominal part contours and tolerance limits specified in a DXF file. Profile measurements create a Profile feature that is displayed in the part view and feature list and profiling results can be annotated and reported as well as included in part programs.

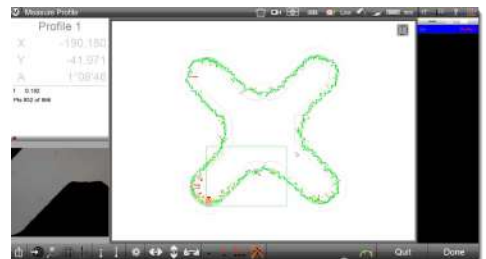


Easy Profiling Tool

Position the Profile Tool and press the Fit button to perform a fit operation. Perform as many fit operations as necessary to achieve the best fit result. The Profile measurement results will be displayed in the upper left detail viewport.



Individual profile point data can be viewed using the part view.



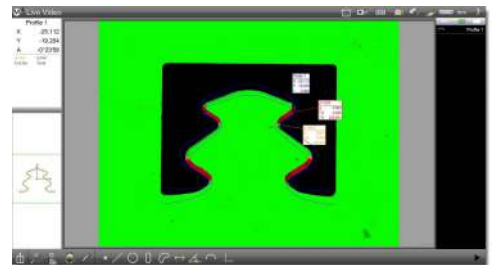
Adjusting Fit Parameters

Fit Parameters can be adjusted using the Profile Measure toolbar and Profile Settings dialog. Fit controls include independent fit constraints for X/Y translation and rotation, fit point density, fit algorithm type and fit point filtering.



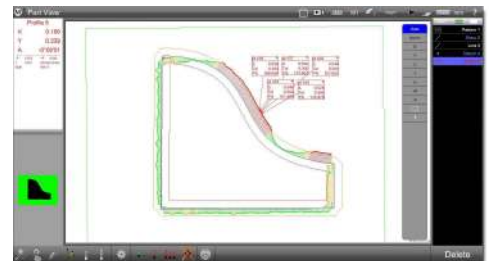
Data Collection

Data collection from Profile features extending beyond the machine field of view is fast and simple. Accurate collection of profile data is ensured by using a defined machine path based on the DXF profile itself.



Results Analysis

Easily analyze profile fit results using intuitive tools for quickly identifying the worst point, the best point, or a specified number of points relative to the profile tolerance.



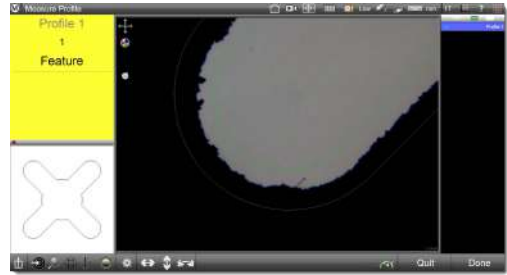
Data Export

Export the profile measurement data cloud to either a CSV or DXF file. X and Y positions, IJ vector values, delta from the point to the part model, and tolerance and percentages of the total tolerance will be included in the export.

Feature	Pt #	X	Y	I	J	Delta	Tol	T%
Profile 1	1	12.3	-15.576	1	0	0.396	0.3	131.961
Profile 1	2	12.677	-15.835	1	0	0.187	0.3	62.307
Profile 1	3	12.826	-16.085	1	0	0.024	0.301	7.988
Profile 1	4	12.933	-16.341	1	0	0.286	0.301	94.941
Profile 1	5	12.998	-16.63	1	0	0.232	0.301	76.965
Profile 1	6	12.998	-16.91	1	0	0.228	0.301	75.775
Profile 1	7	12.989	-17.183	1	0	0.235	0.301	77.872
Profile 1	8	12.993	-17.455	1	0	0.228	0.301	75.724
Profile 1	9	13	-17.728	1	0	0.217	0.301	72.189
Profile 1	10	13.005	-18.092	1	0	0.21	0.301	69.61
Profile 1	11	13.007	-18.281	1	0	0.205	0.301	68.054
Profile 1	12	12.901	-18.56	1	0	0.248	0.301	82.178

Machine Integration

Ask your MetLogix representative about a wide variety of encoder interface technologies, camera types, and light control hardware supported in the M3 system.



Supports Industry Standard Stage and Camera Software Calibration Methodologies

Robust and reliable machine and camera calibration can be achieved using popular machine and video correction methods. Linear Error Correction (LEC), Segmented Linear Correction (SLEC), Non-Linear Error Correction (NLEC), Orthogonality, Pixel Size, Camera Skew, Parcentricity and Field of View.

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 your 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 programming and playback		✓	✓
Tolerancing		✓	✓
Feature annotation		✓	✓
Video edge detection			✓
Video image archive			✓
Image markup			✓

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

175 Canal Street, Suite 503, Manchester, NH 03101 USA

Tel: 603.836.4452

Fax: 603.369.6499

Email: support@metlogix.com

Web: www.metlogix.com