

M3 Measuring Software

for touch probe measurements



Interface kit for retrofitting manual 3D touch probe machines

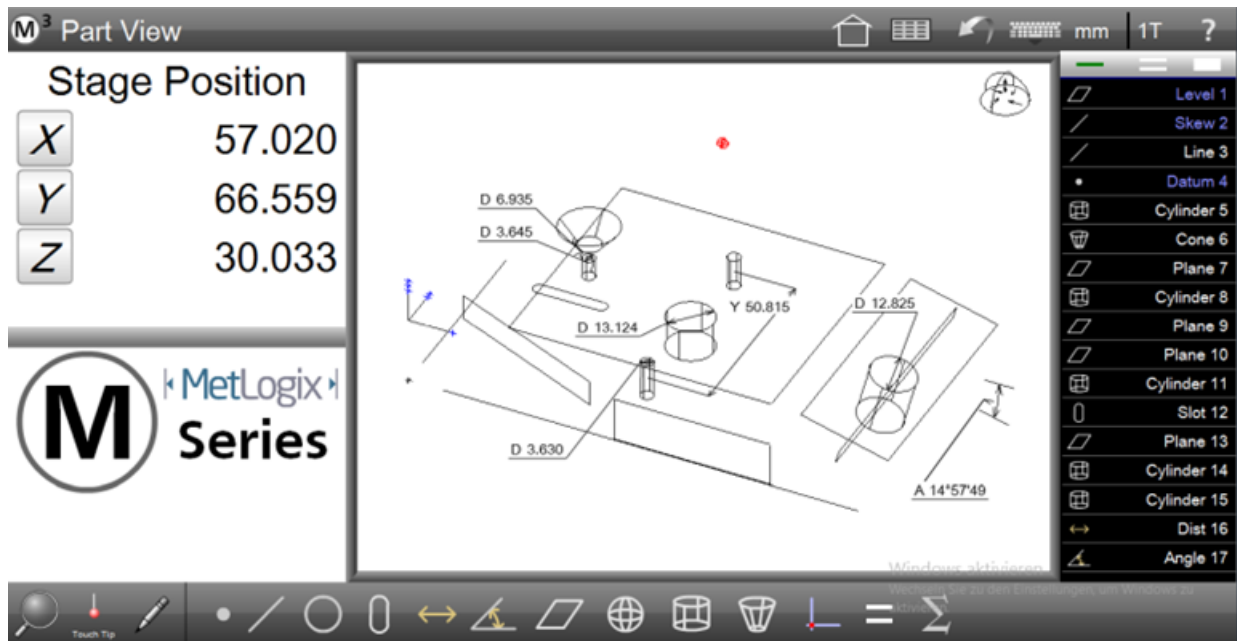
The Touch Screen user interface makes measurements easy and straightforward.

Features and Constructions

Intersections, distances, angles and more can be constructed easily from measured features, just by selecting the parent features from the list or the part view.

Graphical Part View

The part view can be rotated and zoomed. Result values can be put in for quick and meaningful documentation.



Part Program

Teach in measuring routines and play them back while collecting the runs for fast tracing.

Geometric Tolerancing

Apply tolerances and get immediate results for pass or fail.

Report and Export

Various reporting formats including custom templates. Result export to Excel® and common databases. Variable query and output.

Calibration

Segmented error correction per axis plus angle correction per projection plane.

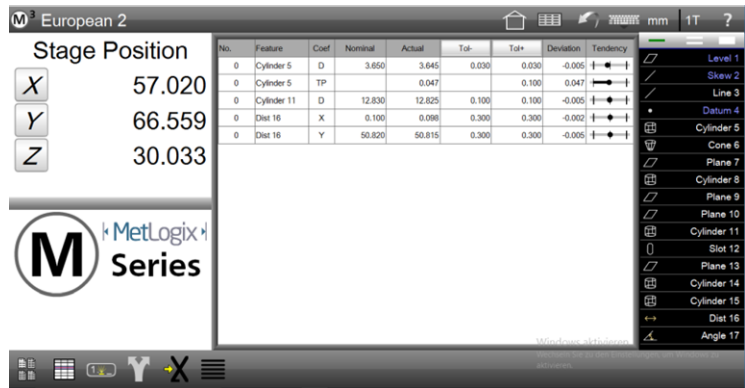
Non linear error correction on two levels of xy projection plane.

Measuring Machine integration

Interface and Touch Screen PC replace the control panel and modernize the machine to a powerful tool.

Measuring PC

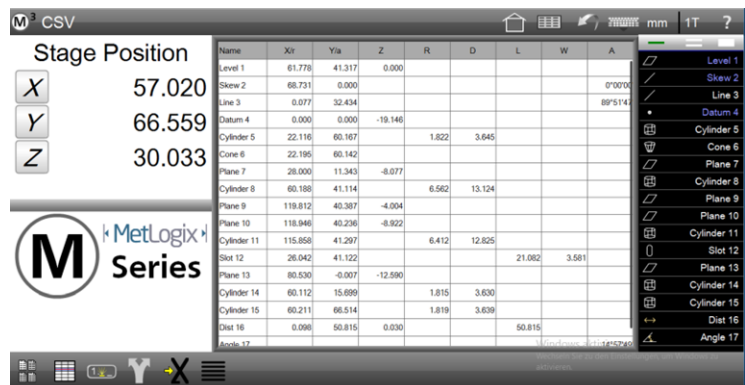
The MS Windows operated PC offers connection to network drives and printers. Thus, the measuring machine becomes a part of the modern quality management infrastructure.



Stage Position

X 57.020
Y 66.559
Z 30.033

No.	Feature	Coef	Nominal	Actual	Tol-	Tol+	Deviation	Tendency
0	Cylinder 5	D	3.650	3.645	0.030	0.030	-0.005	←
0	Cylinder 5	TP		0.047		0.100	0.047	←
0	Cylinder 11	D	12.830	12.825	0.100	0.100	-0.005	←
0	Dist 16	X	0.100	0.098	0.300	0.300	-0.002	←
0	Dist 16	Y	50.820	50.815	0.300	0.300	-0.005	←



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Name	Xit	Yia	Z	R	D	L	W	A
Level 1	61.778	41.317	0.000					
Skew 2	66.731	0.000						0°00'
Line 3	0.077	32.434						89°51'
Datum 4	0.000	0.000	-19.146					
Cylinder 5	22.116	60.167		1.822	3.645			
Cone 6	22.195	60.142						
Plane 7	28.000	11.343	-8.077					
Cylinder 8	60.105	41.114		6.562	13.124			
Plane 9	119.812	40.387	-4.004					
Plane 10	118.946	40.236	-8.922					
Plane 11	115.856	41.297		6.412	12.825			
Slot 12	26.042	41.122				21.082	3.581	
Plane 13	80.530	-0.007	-12.090					
Cylinder 14	60.112	15.899		1.815	3.630			
Cylinder 15	60.211	66.514		1.819	3.639			
Dist 16	0.098	50.815	0.030					50.815
Angle 17								

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