



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

DYNAMIC CORPORATION  
 2565 Van Ommen Drive  
 Holland, MI 49424  
 Samantha Kandler Phone: 616 399 2200

MECHANICAL

Valid To: January 31, 2013

Certificate Number: 1167.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following dimensional testing<sup>1</sup>:

I. Dimensional Testing/Calibration<sup>7</sup>

Parameter/Equipment	Range	CMC <sup>2,4</sup> (±)	Comments
Coordinate Measurement (CMM) –			
Steel Aluminum Non-metal	Up to (48 × 40 × 30) in	(420 + 14L) μin (420 + 34L) μin (420 + 160L) μin	Bridge CMM
Steel Aluminum Non-metal	> (48 × 40 × 30) in Up to (80 × 48 × 40) in	(620 + 15L) μin (620 + 35L) μin (620 + 160L) μin	Bridge CMM
Steel Aluminum Non-metal	Up to (118 × 63 × 63) in	(800 + 15L) μin (800 + 35L) μin (800 + 160L) μin	Horizontal arm CMM
Steel Aluminum Non-metal	Up to (80 × 48 × 40) in	(800 + 13L) μin (800 + 33L) μin (800 + 160L) μin	Bridge CMM <sup>5</sup>

Parameter/Equipment	Range	CMC <sup>2,4</sup> (±)	Comments
Coordinate Measurement (CMM) – (cont)			
Steel Aluminum Non-metal	Up to (118 × 63 × 63) in	(4700 + 4L) μin (4700 + 14L) μin (4700 + 120L) μin	Horizontal arm CMM <sup>5</sup>
Steel Aluminum Non-metal	Up to (360 × 360 × 360) in	(3600 + 40L) μin (3600 + 100L) μin (3600 + 480L) μin	Faro arm CMM <sup>5</sup>
Optical 3D Measuring System <sup>3</sup> –			
Steel Aluminum Non-metal	100 mm Lens	(300 + 3L) μin (300 + 11L) μin (300 + 110L) μin	GOM/ATOS white light
Steel Aluminum Non-metal	300 mm Lens	(830 + 3L) μin (830 + 11L) μin (830 + 110L) μin	
X-Y Coordinates <sup>3</sup>	Up to (6 × 4) in Up to (24 × 24 × 8) in	0.001 in 0.016 in	Optical comparator <sup>6</sup> OGP vision system
Length (1D) <sup>3</sup>	(0 to 4) in (0 to 6) in (0 to 12) in	140 μin 430 μin 890 μin	Micrometers <sup>6</sup> Calipers <sup>6</sup> Calipers <sup>6</sup>
Height <sup>3</sup>	(0 to 24) in	0.001 in	Height gages <sup>6</sup>
Radius <sup>3</sup>	(0.015625 to 1) in	0.011 in	Radius gages <sup>6</sup>
Diameter <sup>3</sup>	(0.011 to 0.75) in	0.001 in	Gage pins <sup>6</sup>

<sup>1</sup> This laboratory offers commercial dimensional testing/calibration service.

- <sup>2</sup> Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations or tests of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration or test performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration or test.
- <sup>3</sup> Field services are available for this calibration or test and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations or tests. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration or test and for other possible adverse effects such as those caused by transportation of the calibration or testing equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated or tested, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.
- <sup>4</sup> In the statement of CMC,  $L$  represents the numerical value of the nominal length of the device measured in inches.
- <sup>5</sup> This equipment is only available at satellite facility located at 921 E 32<sup>nd</sup> Street, Holland, MI 49423.
- <sup>6</sup> This equipment is available at both the satellite facility, location noted in footnote 5, as well as the main laboratory whose location is noted on page 1 of this scope.
- <sup>7</sup> This laboratory meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional calibrations listed above. Accredited test reports issued containing appropriate statements of measurement results, measurement uncertainty, and traceability are considered equivalent to a "calibration" certificate.



The American Association for Laboratory Accreditation

World Class Accreditation

# Accredited Laboratory

A2LA has accredited

## DYNAMIC CORPORATION

*Holland, MI*

for technical competence in the field of

### Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This laboratory also meets the requirements in the field of calibration. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 27<sup>th</sup> day of January 2011.



  
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Peter Abney

President & CEO  
For the Accreditation Council  
Certificate Number 1167.01  
Valid to January 31, 2013

*For the calibrations to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.*