



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DYNAMIC METROLOGY SERVICES
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MECHANICAL

Valid To: January 31, 2027

Certificate Number: 1167.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following dimensional testing at the location listed^{1, 6}:

I. Dimensional Testing/Calibration

Parameter/Equipment	Range	CMC ² (±)	Comments
Length (1D) ^{3, 5}	Up to 1 in (1 to 2) in	120 µin 140 µin	Micrometers
	Up to 6 in Up to 12 in	460 µin 610 µin	Calipers
Height ^{3, 5}	Up to 24 in	930 µin	Height gages
Depth ^{3, 5}	Up to 1 in	430 µin	Depth micrometers
Radius ^{3, 5}	(0.01 to 0.5) in (0.5 to 1) in	2900 µin 9100 µin	Radius gages
Diameter ^{3, 5}	(0.011 to 1.000) in	890 µin	Gage pins
Surface Finish ^{3, 5}	Up to 0.0315 in	8 µin	Profilometer (surface roughness tester)

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Optical 3D Measuring System ^{3,5} – Steel Aluminum Non-Metal	60 mm Lens	(420 + 13L) μin (420 + 39L) μin (420 + 210L) μin	GOM/ATOS triple scan “blue light”
Steel Aluminum Non-Metal	100 mm Lens	(510 + 15L) μin (510 + 43L) μin (510 + 220L) μin	
Steel Aluminum Non-Metal	300 mm Lens	(570 + 25L) μin (570 + 15L) μin (570 + 180L) μin	
Steel Aluminum Non-Metal	700 mm Lens	(910 + 27L) μin (910 + 16L) μin (910 + 180L) μin	
Coordinate Measurement (CMM) ⁵ – Steel Aluminum Non-Metal	Up to (35 × 48 × 31) in	(600 + 3.5L) μin (600 + 25L) μin (600 + 200L) μin	Bridge CMM (RS-35)
Steel Aluminum Non-Metal	Up to (48 × 40 × 30) in	(760 + 3.4L) μin (760 + 25L) μin (760 + 200L) μin	Bridge CMM (RS-50)
Steel Aluminum Non-Metal	Up to (80 × 48 × 40) in	(660 + 5.4L) μin (660 + 30L) μin (660 + 210L) μin	Bridge CMM (RS-150)
Steel Aluminum Non-Metal	Up to (35 x 47 x 23) in	(280 + 6.4L) μin (280 + 32L) μin (280 + 210L) μin	Bridge CMM (Contura 9/12/6)
Steel Aluminum Non-Metal	Up to (36 × 48 × 32) in	(310 + 6.1L) μin (310 + 32L) μin (310 + 210L) μin	Bridge CMM (Global)
CT Scanner (X-Ray) ⁵ – Steel Aluminum Non-Metal	Up to (13 × 13 × 13) in	(510 + 17L) μin (510 + 25L) μin (510 + 180L) μin	METROTOM CT scanner

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Optical 3D Measuring System ^{3,5} –			
Steel Aluminum Non-Metal	250mm Bars (Black)	(820 + 5L) μin (820 + 2.1L) μin (820 + 120L) μin	GOM/ATOS (TRITOP)
Steel Aluminum Non-Metal	1000mm Bars (Black)	(840 + 15L) μin (840 + 7.2L) μin (840 + 160L) μin	GOM/ATOS (TRITOP)
Steel Aluminum Non-Metal	2000mm Bars (Black)	(870 + 25L) μin (870 + 15L) μin (870 + 180L) μin	GOM/ATOS (TRITOP)
Steel Aluminum Non-Metal	500mm Bars (White)	(330 + 17L) μin (330 + 8.5L) μin (330 + 170L) μin	GOM/ATOS (TRITOP)
Steel Aluminum Non-Metal	1000mm Bars (White)	(830 + 15L) μin (830 + 7.3L) μin (830 + 160L) μin	GOM/ATOS (TRITOP)
X-Y Coordinates ⁵ –			
Steel Aluminum Non-Metal	Up to (24 × 24 × 16) in	(320 + 4.6L) μin (320 + 28L) μin (320 + 200L) μin	Optiv Performance 664
Steel Aluminum Non-Metal	Up to (36 × 48 × 32) in	(380 + 5.5L) μin (380 + 30L) μin (380 + 210L) μin	Global/CMM-V optical probe head for CMM

¹ This laboratory offers commercial dimensional testing/calibration service on parts.

² Calibration and Measurement Capability Uncertainty (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. CMCs 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.

³ Field services are available for this calibration or test. 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.

⁴ In the statement of CMC, L represents the numerical value of the nominal length of the device measured in inches.

⁵ This laboratory meets *R205 – Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above and is considered equivalent to that of a calibration.

⁶ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

DYNAMIC METROLOGY SERVICES

Holland, MI

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program*. 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 April 2017).



Presented this 23rd day of December 2024.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1167.01
Valid to January 31, 2027
Revised February 5, 2025

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