



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GEOMETRIC DESIGN AND TECHNOLOGY, INC
20040 Cochran Road
Meadville, PA 16335
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CALIBRATION

Valid To: February 28, 2025

Certificate Number: 1984.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations and dimensional testing^{1,3}:

I. Dimensional Testing/Calibration¹

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
One Dimensional ⁵ – Length	Up to 12 in	(600 + 44L) μin	Dimensional inspection using: Calipers
	Up to 3 in (3 to 5) in	(59 + 9L) μin (560 + 10L) μin	Micrometers
	Up to 6 in	(94 + 10L) μin	Indicators
Three Dimensional ⁵ – Length	Up to 27.5 in	(79 + 2L) μin	Dimensional inspection using: OGP video measuring equipment
	Up to 8 ft	(1100 + 2L) μin	Faro arm
	Volumetric Up to 18 in	(310 + 7L) μin	CMM
Surface Finish ⁵	(1 to 250) μin	2.4 μin	Fowler pocket surf profilometer

II. Dimensional Testing⁶

Parameter/Equipment	Range	CMC ^{2, 4} (\pm)	Comments
One Dimensional ⁷ – Length	Up to 12 in Up to 3 in (3 to 5) in Up to 6 in	$(600 + 44L) \mu\text{in}$ $(59 + 9L) \mu\text{in}$ $(560 + 10L) \mu\text{in}$ $(94 + 10L) \mu\text{in}$	Dimensional inspection using: Calipers Micrometers Indicators
Three Dimensional ⁷ – Length Volumetric	Up to 27.5 in Up to 8 ft Up to 18 in	$(79 + 2L) \mu\text{in}$ $(1100 + 2L) \mu\text{in}$ $(310 + 7L) \mu\text{in}$	Dimensional inspection using: OGP video measuring equipment Faro arm CMM
Surface Finish ⁷	(1 to 250) μin	2.4 μin	Fowler pocket surf profilometer

¹ This laboratory offers commercial calibration/dimensional testing and field calibration services.

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 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 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.

³ This scope meets A2LA's *P112 Flexible Scope Policy*.

⁴ In the statement of CMC, L is 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 certificate.

⁶ This laboratory offers commercial dimensional testing service.

⁷ This test is not equivalent to that of a calibration.



Accredited Laboratory

A2LA has accredited

GEOMETRIC DESIGN AND TECHNOLOGY, INC.

Meadville, PA

for technical competence in the field of

Calibration

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 the requirements of 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 10th day of January 2023.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1984.01
Valid to February 28, 2025

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