



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

IIA LAB SERVICES, LLC - METROLOGY
 5950 Clearwater Drive, Suite 300
 Minnetonka, MN 55343-8989
 Lee Fletcher Phone: 952 895 1150
 lee.fletcher@industrial-ia.com

MECHANICAL

Valid To: October 31, 2026

Certificate Number: 1172.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, as well as the two satellite laboratory locations listed below, to perform the following dimensional tests:

I. Dimensional Testing¹

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Workpiece Measurement ⁴ –			Internal method based on ASME Y14.5 and customer specification
1D	Up to 12 in Up to 1 in Up to 6 in Up to 1 in Up to 1 in	0.0013 in 0.00016 in 0.00015 in 0.00015 in ---	Calipers Micrometer Depth micrometer Pressure micrometer Gage pins used for attribute/qualitative test
2D	(18 x 18) in Up to 4 in	(250 + 7.1L) µin 0.0002 in	OGP - optical CMM Toolmaker's microscope
3D	Up to 8 ft (spherical range)	(1100 + 11L) µin	Faro Arm CMM (Platinum)
	(28 x 40 x 28) in (40 x 64 x 28) in (36 x 48 x 32) in	(360 + 14L) µin (40 + 18L) µin (67 + 4.1L) µin (80 + 8.3L) µin	CMM (UHA) CMM (Scanning) Global S Chrome (touch sensor) Global S Chrome (Laser sensor)
	(6 x 6 x 6) in	500 µin	Nikon XTH225 CT Scanner
	(4 x 3 x 2.8) in (12.6 x 9.4 x 9.4) (27.5 x 20.8 x 20.5)	5.7 µin 120 µin 760 µin	GOM ATOS Triple Scan 100 lense GOM ATOS Triple Scan 320 lense GOM ATOS Triple Scan 700 lense

Flatness ⁴	Up to 0.008 in	0.000 25 in	Internal method based on ASME Y14.5 and customer specification; dial indicator
Surface Finish ⁴	Up to 400 μ in Ra	1.76% of reading	Internal method based on ASME Y14.5 and customer specification; Surfcom 130A

¹ This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratories listed below:

SATELLITE FACILITY

IIA LAB SERVICES, LLC - METROLOGY
1451 Innovation Parkway SE, Suite 650
Albuquerque, NM 87123
Lee Fletcher Phone: 952 895 1150
lee.fletcher@industrial-ia.com

I. Dimensional Testing¹

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Workpiece Measurement ⁴ –			Internal method based on ASME Y14.5 and customer specification
1D	Up to 12 in Up to 1 in	0.0013 in 0.00016 in	Calipers Micrometer
3D	(16 x 16 x 12) in (28 x 40 x 28) in	(11 + 25L) µin (360 + 14L) µin	Optiv CMM CMM (UHA)
Surface Finish ⁴	Up to 400 µin Ra	1.76% of reading	Internal method based on ASME Y14.5 and customer specification; Surfcom 130A

SATELLITE FACILITY

IIA LAB SERVICES, LLC - METROLOGY
4100 West Royal Lane, Suite 125
Irving, TX 75063
Lee Fletcher Phone: 952 895 1150
lee.fletcher@industrial-ia.com

I. Dimensional Testing¹

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Workpiece Measurement ⁴ –			Internal method based on ASME Y14.5 and customer specification
1D	Up to 12 in Up to 1 in	0.0013 in 0.00016 in	Calipers Micrometer
2D	(12 x 12 x 6) in	(4.5 + 11L) μin	Micro-Vu Vision CMM
3D	(16 x 16 x 12) in (28 x 40 x 28) in (36 x 48 x 32) in	(11 + 25L) μin (360 + 14L) μin (66 + 4.3L) μin (83 + 6.4L) μin	Optiv CMM CMM (UHA) Global S Chrome (touch sensor) Global S Chrome (Laser sensor)
Surface Finish ⁴	Up to 400 μin Ra	1.76% of reading	Internal method based on ASME Y14.5 and customer specification; Surfcom 130A

¹ This laboratory offers commercial dimensional testing services only.

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 measurements 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 measurement 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 measurement.

³ In the statement of CMC, L represents the nominal length of the device measured in inches.

⁴ This test is not equivalent to that of a calibration.



Accredited Laboratory

A2LA has accredited

IIA LAB SERVICES, LLC - METROLOGY

Minnetonka, MN

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 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 October 2024.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1172.01
Valid to October 31, 2026

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