



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PETERSON JIG AND FIXTURE, INC
301 Rockford Park Drive
Rockford, MI 49341
Joshua Bielecki Phone: 616 866 8296

MECHANICAL

Valid To: November 30, 2024

Certificate Number: 1856.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests listed below^{1, 6}:

I. Dimensional Testing

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Part Measurement ⁶ – 3D Volumetric	(120 x 48 x 64) in	[1200 + (43 + M)L] μin	CMM
1D Linear	Up to 2 in (2 to 4) in	220 μin 340 μin	Micrometer

II. Dimensional Testing/Calibration

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Inspection Fixtures and Fixture Gages ⁴ – 3D Volumetric	(120 x 48 x 64) in	[1200 + (43 + M)L] μin	CMM
1D Linear	Up to 2 in (2 to 4) in	220 μin 340 μin	Micrometer

Satellite Location
 PETERSON JIG AND FIXTURE, INC
 4030 Cedar Commercial Drive,
 Cedar Springs, MI 49319
 Joshua Bielecki Phone: 616 866 8296

MECHANICAL

I. Dimensional Testing

Parameter/Equipment	Range	CMC ^{2, 4} (±)	Comments
Part Measurement ^{3,6} – 3D Volumetric	(120 x 48 x 64) in 586 ft ³ (16.6m ³) Cubic Range Up to 11 ft (Spherical Range)	[1200 + (43 + M)L] μin 2(3600 + 11L) μin (Probing & Scanning) 2(2700 + 11L) μin	CMM Creaform portable CMM Hexagon Romer
1D Linear	300 mm x 200 mm x 100 mm Up to 2 in (2 to 4) in Up to 6 in Up to 12 in	(380 + 25L) μin 220 μin 340 μin 1200 μin 1600 μin	Hexagon Optive 3-2-1 Micrometer Caliper

II. Dimensional Testing/Calibration

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments	
Inspection Fixtures and Fixture Gages ^{3,4} –	3D Volumetric	(120 x 48 x 64) in	[1200 + (43 + M)L] μin	CMM
		586 ft ³ (16.6m ³) Cubic Range	2(3600 + 11L) μin (Probing & Scanning)	Creaform portable CMM
		Up to 11 ft (Spherical Range)	2(2700 + 11L) μin	Hexagon Romer
1D Linear		Up to 2 in (2 to 4) in	220 μin 340 μin	Micrometer
		Up to 6 in Up to 12 in	1200 μin 1600 μin	Caliper

Satellite Location
 PETERSON JIG AND FIXTURE, INC
 915 Berry Shoals Road,
 Duncan, SC 29334
 Joshua Bielecki Phone: 616 866 8296

MECHANICAL

I. Dimensional Testing

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Part Measurement ^{3,6} –			
3D Volumetric	(120 x 48 x 64) in	$[1200 + (43 + M)L] \mu\text{in}$	CMM
	586 ft ³ (16.6m ³) Cubic Range	$2(3600 + 11L) \mu\text{in}$ (Probing & Scanning)	Creaform portable CMM
	Up to 11 ft (Spherical Range)	$2(3200 + 11L) \mu\text{in}$	Absolute Faro
1D Linear	Up to 2 in (2 to 4) in	220 μin 340 μin	Micrometer
	Up to 6 in Up to 12 in	1200 μin 1600 μin	Caliper

II. Dimensional Testing/Calibration

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments	
Inspection Fixtures and Fixture Gages ^{3,4} –	3D Volumetric	(120 x 48 x 64) in	[1200 + (43 + M)L] μin	CMM
		586 ft ³ (16.6m ³) Cubic Range	2(3600 + 11L) μin (Probing & Scanning)	Creaform portable CMM
		Up to 11 ft (Spherical Range)	2(3200 + 11L) μin	Absolute Faro
1D Linear	Up to 2 in (2 to 4) in	220 μin 340 μin	Micrometer	
	Up to 6 in Up to 12 in	1200 μin 1600 μin	Caliper	

¹ This laboratory offers commercial dimensional testing/calibration service.

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 Field calibration service is available for this calibration. 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 and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (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 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.

⁵ In the statement of CMC, L = length in inches, $M = 3$ (Steel), $M = 6$ (Aluminum), and $M = 12.5$ (Poly-board).

⁶ This test is not equivalent to that of a calibration.

⁷ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

PJF

Rockford, 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 17th day of November 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1856.01
Valid to November 30, 2024

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