



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PJF⁶
 301 Rockford Park Drive
 Rockford, MI 49341
 Bernard Warchuck Phone: 616 866 8296

MECHANICAL

Valid To: April 30, 2018

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 at the location listed above as well as the one satellite laboratory location listed below:

I. Dimensional Testing/Calibration¹

Parameter/Equipment	Range	Comments
Part Measurement ⁵ –		
3D Volumetric	(44 x 76 x 36) in (59 x 118 x 47) in	Mitutoyo Bright 1220 CMM Zeiss DB1200 CMM
1D Linear	Up to 2 in (2 to 4) in	Micrometer

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Inspection Fixtures and Fixture Gages ³ –	3D Volumetric	(44 x 76 x 36) in	[510 + (8 + M)L] μin Mitutoyo Bright 1220 CMM
		(59 x 118 x 47) in	[560 + (4 + M)L] μin Zeiss DB1200 CMM
	1D Linear	Up to 2 in (2 to 4) in	220 μin 340 μin Micrometer

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 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.

⁴ In the statement of CMC, L = length in inches, $M = 3$ (Steel), $M = 6$ (Aluminum), and $M = 12.5$ (Poly-board).

⁵ This test is not equivalent to that of a calibration.

⁶ This accreditation covers calibrations performed at the main laboratory listed above, and the satellite laboratory listed below.

SATELLITE LOCATION:

PJF
 4030 Cedar Commercial Drive
 Cedar Springs, MI 49319
 Bernard Warchuck Phone: 616 866 8296

MECHANICAL

Valid To: April 30, 2018

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:

I. Dimensional Testing/Calibration¹

Parameter/Equipment	Range	Comments
Part Measurement ⁵ – 3D Volumetric 1D Linear	(120 x 48 x 64) in Up to 2 in (2 to 4) in	(3) Mitutoyo CHN1612 CMMs Micrometer

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Inspection Fixtures and Fixture Gages ³ – 3D Volumetric 1D Linear	(120 x 48 x 64) in Up to 2 in (2 to 4) in	[1200 + (43 + M)L] μin 220 μin 340 μin	(3) Mitutoyo CHN1612 CMMs Micrometer

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 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.

⁴ In the statement of CMC, L = length in inches, $M = 3$ (Steel), $M = 6$ (Aluminum), and $M = 12.5$ (Poly-board).

⁵ This test is not equivalent to that of a calibration.



Accredited Laboratory

A2LA has accredited

PJF

Rockford, MI

with satellite locations in Cedar Springs, 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 any additional program 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 17th day of May 2016.



A handwritten signature in blue ink, appearing to read "J. C. Burt".

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 1856.01
Valid to April 30, 2018

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