



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ERIE INSPECTION SERVICES, INC.  
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 Edinboro, PA 16412  
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MECHANICAL

Valid To: August 31, 2017

Certificate Number: 2882.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following dimensional tests:

I. Dimensional Testing<sup>1</sup>

Parameter	Range	CMC <sup>2,3</sup> (±)	Technique / Method
Geometric Measurements <sup>4</sup> –			
3D Measurement	Up to 16 in	970 μin	CMM (INS-07)
2D Measurement:			
X & Y-Axis	Up to 16 in Up to 10 in	(140 + 8L) μin (300 + 8L) μin	Optical CMM (INS-06) Toolscope (INS-04)
1D Measurement	Up to 2 in Up to 6 in Up to 2 in from datum	(82 + 4L) μin 940 μin 180 μin	Micrometer (INS-01) Calipers (INS-02) Digimatic Indicator (INS-03)

<sup>1</sup> This laboratory offers commercial dimensional testing services only.

<sup>2</sup> 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.

<sup>3</sup> In the statement of CMC,  $L$  represents the numerical value of the nominal length of the unit under test measured in inches.

<sup>4</sup> This test is not equivalent to that of a calibration.



## *Accredited Laboratory*

A2LA has accredited

**ERIE INSPECTION SERVICES, INC.**

*Edinboro, PA*

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 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 19<sup>th</sup> day of October 2015.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO  
For the Accreditation Council  
Certificate Number 2882.01  
Valid to August 31, 2017

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