



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

*Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:*

***Precise Dimensional Inspection LLC***  
***250 W. Temperance Road, Temperance, MI 48182***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited  
in accordance with the recognized International Standard:*

**ISO/IEC 17025:2017**

This accreditation demonstrates technical competence for a defined scope and the  
operation of a laboratory quality management system  
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Dimensional Calibration***  
***(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this  
certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the  
Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen  
President

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
755 W. Big Beaver, Suite 1325  
Troy, Michigan 48084

*Initial Accreditation Date:*

April 17, 2020

*Issue Date:*

September 13, 2024

*Expiration Date:*

January 31, 2027

*Accreditation No.:*

109839

*Certificate No.:*

L24-705

*The validity of this certificate is maintained through ongoing assessments based on a  
continuous accreditation cycle. The validity of this certificate should be  
confirmed through the PJLA website: [www.pjllabs.com](http://www.pjllabs.com)*



# Certificate of Accreditation: Supplement

## Precise Dimensional Inspection LLC

250 W. Temperance Road, Temperance, MI 48182  
Contact Name: Jacob Bieniek Phone: 734-847-6858

Accreditation is granted to the facility to perform the following calibration:

### Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Calipers <sup>F</sup>	Up to 12 in	(150 + 25L) $\mu$ in	Gladstonbury Standard Gage Blocks Size control standard	PRO-0103
	Up to 24 in	(220 + 28L) $\mu$ in		
Outside Micrometer <sup>F</sup>	Up to 12 in	(43 + 10L) $\mu$ in	Gladstonbury Master	PRO- 0102
Plug Gages <sup>F</sup>	Up to 6 in	28 $\mu$ in	Mahr ULM 828	PRO-0124
Ring Gages <sup>F</sup>	Up to 12 in	28 $\mu$ in		PRO-0123
Check Fixture <sup>F</sup>	X Axis 16 in Y Axis 16 in Z Axis 16 in	(100 + 5.2L) $\mu$ in	CMM	PRO-0117
Flush Pin Gages <sup>F</sup>	Up to 8 in	(100 + 5.2L) $\mu$ in		PRO-0120
Reference Sphere <sup>F</sup>	Up to 2 in	(100 + 5.2L) $\mu$ in		PRO-0115
Step Gages <sup>F</sup>	Up to 12 in	(100 + 5.2L) $\mu$ in		PRO-0116
Thread Gages <sup>F</sup>	4 to 40 TPI in	28 $\mu$ in	Mahr ULM 828	PRO-0125 3 wire method
Surface Finish <sup>F</sup>	Up to 4 in	4.3 $\mu$ in	Mahr Surf PS10	PRO-0126
General Length Measurement <sup>F</sup>	Up to 40 in	28 $\mu$ in	Mahr ULM 828	PRO-0122

- The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor  $k$  (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
- The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
- The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location.
- Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location