



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

***Total Tooling Concepts Inc.***  
3078 Northridge Drive NW, Walker, MI 49544

*(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 Inspection***  
*(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

*Initial Accreditation Date:*

August 4, 2017

*Issue Date:*

February 20, 2023

*Expiration Date:*

March 31, 2025

*Accreditation No.:*

96224

*Certificate No.:*

L23-140

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

*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

## Total Tooling Concepts Inc.

3078 Northridge Drive NW, Walker, MI 49544  
 Contact Name: Eric Conkright Phone: 616-785-8402

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Dimensional Inspection <sup>F</sup>	1 Dimensional Manufactured Products and Components	1 Dimensional Features for Size	Customer Supplied Dimensional Information ANSI Y14.5-M	Micrometer Up to 25.4 mm D.L. = 2 μm
	1, 2 and 3 Dimensional Manufactured Products and Components	1, 2 and 3 Dimensional Features for Size, Location, and Orientation		Laser Tracker 0.001 m to 20 m Uncertainty = (1.73 + 0.06L) μm
				CMM X= Up to 700 mm Y= Up to 1 000 mm Z= Up to 635 mm Uncertainty = (2.5 + 0.06L) μm
				CMM X= Up to 1 200 mm Y= Up to 3 000 mm Z= Up to 1 000 mm Uncertainty = (2.78 + 0.06L) μm
				CMM X= Up to 1 200 mm Y= Up to 3 000 mm Z= Up to 1 000 mm Uncertainty = (3.63 + 0.06L) μm
				CMM X= Up to 1 500 mm Y= Up to 3 000 mm Z= Up to 1 000 mm Uncertainty= (2.71 + 0.09L) μm

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer <sup>F</sup> would mean that the laboratory performs this testing at its fixed location.