PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Industrial Inspection & Consulting LLC

6524 Schamber Drive, Norton Shores, MI 49444

and hereby declares that the Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Dimensional and Non-Destructive Testing

(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Tracy Szerszen
President

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
May 01, 2025	May 01, 2025	August 31, 2027

Accreditation No.:	*Certificate No.:*
128848	L25-340

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.pjlabs.com

Certificate of Accreditation: Supplement

Industrial Inspection & Consulting LLC

6524 Schamber Drive, Norton Shores, MI 49444
Contact Name: Keith Irwin Phone: 231-246-8473

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Non-Destructive	Plastic, Metal, Composite	Manufactured Products/Components	ASTM E1441, ASTM E2597, ASTM E2736, ASTM E2736, ASTM E2737, ASTM E2339, ASTM E1570	Computed Tomography NIKON Instrument	F1, F2	F
Non-Destructive	Metal Composite	Manufactured Products/Components	ASTM E164, ASTM E587, ASTM E213, ASTM E2373, ASTM E-494	Ultrasonic-Ultrasound generator Transducer Amplifier Probe UT Block	F1, F2	F,O
Non-Destructive	Metal	Manufactured Products/Components	ASTM E1417,	Penetrant Penetrant testing equipment Pressure gage Light meter	F1, F2	F,O
Non-Destructive	Plastic, Metal, Composite	Manufactured Products/Components	ASTM E94 , ASTM E-1742, ASTM E-1255, ASTM E-1411, MIL STD 453C, ASTM E2007, ASTM E2003, ASTM E2698, ASTM E2422, ASTM E2660, ASTM E2669	Radiographic and Radioscopic Testing 320kV CT Scanner Phantom plate	F1, F2	F
Non-Destructive	Ferrous metals	Manufactured Products/Components	ASTM E-709, MIL-STD-1949, ASTM E-709, MIL-I-6868, ASTM E3024, ASTM E1444/E1444M, ASTM E3025	Magnetic Particle Yoke Weights	F1, F2	F,O

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Contact Name: Keith Irwin Phone: 231-246-8473

Accreditation is granted to the facility to perform the following conformity assessment activities:

1. Location of activity:

Location	Location
F	Conformity assessment activity is performed at the CABs fixed facility
O	Conformity assessment activity is performed onsite at the CABs customer location

2. Flex Code:
   F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
   F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
   F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
   F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
   F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
   F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope

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ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Dimensional Calibration

(As detailed in the supplement)

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FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Dimensional	Parts, Fixtures, and Assemblies (Spherical Zone)	3 500 mm	87 um	Portable CMM Arm AS1 Portable CMM Scan Head Nest Bar & Sphere	8535-7-14188-UC Reference ISO10360-8 ASME Y14.5 M IIC-332 Procedures	F, O
Dimensional	Parts, Fixtures, and Assemblies (X Axis)	1 500 mm	87 um	Portable CMM Arm AS1 Portable CMM Scan Head Nest Bar & Sphere	8535-7-14188-UC Reference ISO10360-8 ASME Y14.5 M IIC-332 Procedures	F, O
Dimensional	Parts, Fixtures, and Assemblies (Y Axis)	600 mm	87 um	Portable CMM Arm AS1 Portable CMM Scan Head Nest Bar & Sphere	8535-7-14188-UC Reference ISO10360-8 ASME Y14.5 M IIC-332 Procedures	F, O
Dimensional	Parts, Fixtures, and Assemblies (Z Axis)	300 mm	87 um	Portable CMM Arm AS1 Portable CMM Scan Head Nest Bar & Sphere	8535-7-14188-UC Reference ISO10360-8 ASME Y14.5 M IIC-332 Procedures	F, O

1. 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.

2. 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.

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O	Conformity assessment activity is performed onsite at the CABs customer location

4. 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.