



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

3D METRISOFT, S.A. de C.V.

***Av. Hércules #400 Nave: 14 Polígono Empresarial Santa Rosa Jáuregui
Querétaro, Querétaro, México. C.P. 76220***

*(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/Operations Manager

Initial Accreditation Date:

September 26, 2016

Issue Date:

October 02, 2018

Expiration Date:

December 31, 2020

Revision Date:

January 23, 2020

Accreditation No.:

89786

Certificate No.:

L18-455-R1

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.pjilabs.com*



Certificate of Accreditation: Supplement

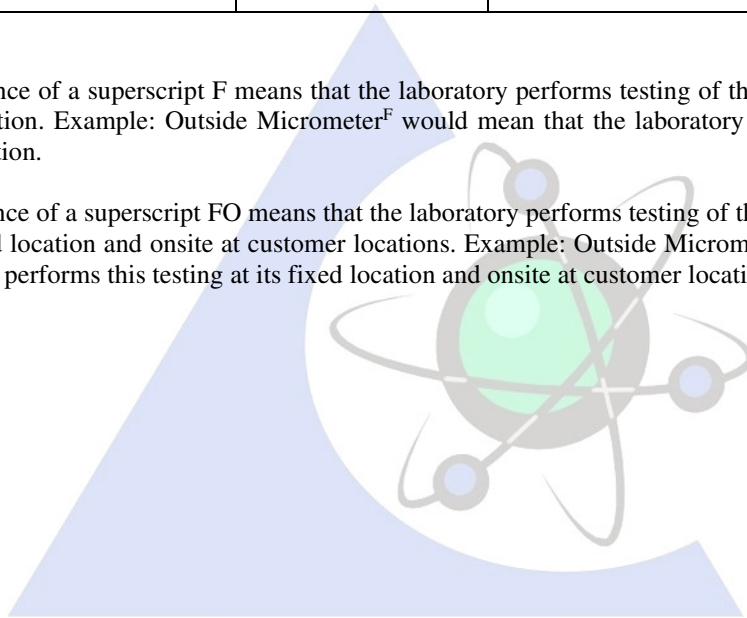
3D METRISOFT, S.A. de C.V.

Av. Hércules #400 Nave: 14 Polígono Empresarial Santa Rosa Jáuregui
Querétaro, Querétaro, México. CP. 76220
Contact Name: Manuel Martínez Ortiz Phone: 442-341-36-26

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 ^F	Dimensional Artifacts 3-Axis Volumetric and Linear Displacement	Measurement of Parts Geometrically Dimensioned and Tolerance (GD&T)	ASME Y14.5	CMM X= 1 500 mm Y= 1 000 mm Z= 800 mm (Res.= 1 µm)
Dimensional Inspection ^{FO}				Vision System X= 315 mm Y= 315 mm Z= 160 mm (Res.= 1 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^F would mean that the laboratory performs this testing at its fixed location.
2. The presence of a superscript FO means that the laboratory performs testing of the indicated parameter both at its fixed location and onsite at customer locations. Example: Outside Micrometer^{FO} would mean that the laboratory performs this testing at its fixed location and onsite at customer locations.





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(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/Operations Manager

Initial Accreditation Date:

January 23, 2020

Issue Date:

January 23, 2020

Expiration Date:

December 31, 2020

Accreditation No.:

89786

Certificate No.:

L20-47

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Certificate of Accreditation: Supplement

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Querétaro, Querétaro, México. CP. 76220
Contact Name: Manuel Martinez Ortiz Phone: 442-341-3626

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

Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Coordinate Measuring Machine ^o Linear Displacement	25 mm to 1 000 mm	(0.21 + 0.008L) μ m	Gage Blocks Grade 1 and Master Sphere 30 mm NMX-CH-10360-2-IMNC
Vision Machine ^o X Axis Performance Y Axis Performance	0.5 mm to 300 mm	(0.78 + 0.009L) μ m	Glass Scale PROC-008
Vision Machine ^o Z Axis Performance	10 mm to 100 mm	5 μ m	Gage Blocks Grade 0 PROC-008

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.
3. The presence of a superscript O means that the laboratory performs calibration of the indicated parameter onsite at customer locations. Example: Outside Micrometer^o would mean that the laboratory performs this calibration onsite at the customer's 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.
5. The term L represents length in inches or millimeters as appropriate to the uncertainty statement.