



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

D&F Corporation

42455 Merrill Road, Sterling Heights, MI 48314

(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):

***CMM Dimensional Inspection Services for Check Fixtures,
Models, Molds, Secondary Tooling and Parts
(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:

September 20, 2003

Issue Date:

October 15, 2022

Expiration Date:

November 30, 2024

Revision Date:

October 04, 2023

Accreditation No.:

59418

Certificate No.:

L22-689-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

D&F Corporation

42455 Merrill Road, Sterling Heights, MI 48314
 Contact Name: William Gard Phone: 586-254-5300

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	Check Fixtures, Models, Molds, Secondary Tooling and Parts	Linear Measurement	0.000 1 in to 3 in (Micrometer)	1 in, 2 in, 3 in D.L. = 0.0001 in
		3D Measurement	0.01mm to 150mm (Caliper)	0.01mm to 150mm D.L. = 0.01mm
			ASME Y14.5 or customer specifications	Taurus CMM A X = 300.736 cm (118.4 in) Y = 161.795 cm (63.7 in) Z = 147.574 cm (58.1 in) D.L. = 0.019 mm (0.000 75 in)
				Taurus CMM B X = 914.4 cm (360 in) Y = 904.8 cm (120 in) Z = 254 cm (100 in) D.L. = 0.019 mm (0.000 75 in)
				Taurus CMM C X = 420.116 cm (165.4 in) Y = 181.102 cm (71.3 in) Z = 153.67 cm (60.5 in) D.L. = 0.019 mm (0.000 75 in)
				Taurus CMM D X = 364.236 cm (143.4 in) Y = 364.236 cm (143.4 in) Z = 364.236 cm (143.4 in) D.L. = 0.019 mm (0.000 75 in)
Dimensional Inspection ^{FO}			ASME Y14.5 or customer specifications	Hexagon Absolute Arm/RS6 Scanner 3.5 M D.L = 0.058 mm
			ASME Y14.5 or customer specifications	Faro Edge/Faro LLP Scanner & Probe Articulating Arm 3.6M D.L. = 0.06 mm
			ASME B89.4.19	Faro Vantage S6 Laser Tracker with 6DOoF Probe 360°: 2 m to 40 m D.L = 0.046 mm
			ASME Y14.5 or customer specifications	Hexagon Absolute Arm/AS1 Scanner 3.5 M D.L.= 0.061 mm

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 calibration 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 calibration at its fixed location and onsite at customer locations.