



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

UNEX Corp

UNEX/HYTORC, 333 Route 17 North, Mahwah, NJ 07430

HYTORC, 100 Wesley Street, South Hackensack, NJ 07606

JETYD, 120 Wesley Street, South Hackensack, NJ 07606

HYTORC, 222 Burgess Drive, Suite #1. Broussard, LA 70518

HYTORC Wind, 1105 East Broadway, Sweetwater, TX 79556

HYTORC Wind of Jacksonville, 6000 Philips Hwy, Suite 1, Jacksonville, FL 32216

HYTORC Wind of Los Angeles, 2350 Peck Road, City of Industry, CA 90601

HYTORC Wind of Cedar Rapids, 5915 4th Street SW, Unit 101, Cedar Rapids, IA 52404

HYTORC Wind of Frederick, CO, 3772 Puritan Way Unit12, Frederick, CO 80516

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

ISO/IEC 17025:2005

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 January 2009):

Calibration of Hydraulic, Pneumatic, Electric and Manual Torque Wrenches & Hydraulic Pressure Gauges (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:

Initial Accreditation Date:

Issue Date:

Expiration Date:

September 18, 2010

January 20, 2017

January 20, 2019

Accreditation No.:

Certificate No.:

66167

L17-31

Tracy Szerszen
President/Operations Manager

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.pjlabs.com



Certificate of Accreditation: Supplement

UNEX Corp

See page 1 for all locations associated with this supplement.
Contact Name: Koshy Sachariah Phone: 201-343-4570

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

HYTORC, 100 Wesley Street, South Hackensack, NJ 07606

Mechanical

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
Pressure Gage ^F	Up to 10 000 psi	0.3 % of reading	Pressurements Dead Weight Tester AKO Pressure Transducer TSD 10KPT, Display TSD 6500-2, -3
Hydraulic Torque Wrench ^F	Up to 40 000 lbf·ft	0.6 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011, TSD20011, Pressure Transducer TSD 10KPT, Display TSD6500-2, -3
Pneumatic Torque Wrench ^F	Up to 10 000 lbf·ft	2.4 % of reading	Honeywell 1607-126 Torque Transducer; Omega Pressure Transducer PX319-200GS5V

JETYD, 120 Wesley Street, South Hackensack, NJ 07606

Mechanical

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
Pneumatic Torque Wrench ^F	Up to 10 000 lbf·ft	1.4 % of reading	Honeywell 1607-126 Torque Transducer; Omega Pressure Transducer PX319-200GS5V
Electric Torque Wrench ^F	Up to 10 000 lbf·ft	2.7 % of reading	Honeywell 1607-126 Torque Transducer



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

HYTORC, 222 Burgess Drive, Suite #1, Broussard, LA 70518

Mechanical

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
Pressure Gage ^F	Up to 10 000 psi	0.2 % reading	Crystal Engineering Gauge CalXP Pressure Calibrator 10KPSIXP21 AKO Pressure Transducer TSD 10KPT, Display TSD 6500-2
Hydraulic Torque Wrench ^F	Up to 40 000 lbf·ft	1.3 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011, AKO Pressure Transducer TSD 10KPT, Display TSD6500-2
Pneumatic Torque Wrench ^F	Up to 8 500 lbf·ft	0.9 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011, Display TSD6500-2, 0-100 psi Pressure Gauge



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

HYTORC Wind, 1105 East Broadway, Sweetwater, TX 79556- Van #21, #38, #55, #62, #74

Mechanical

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
Pressure Gage ^{FO}	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10 KPT, Display TSD6500-2
	Up to 30 000 psi	0.5 % of reading	Fluke DHI Electric Dead Weight Tester Model RPM4-E-DWT A200Me-L with E-DWT-H
Hydraulic Torque Wrench ^{FO}	Up to 40 000 lbf·ft	0.6 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011, TSD20011, Pressure Transducer TSD 10KPT, Display TSD6500-2
Manual Torque Wrench ^O	Up to 600 lbf·ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02, Display 5000-ST
Pneumatic Torque Wrench ^{FO}	Up to 8 500 lbf·ft	1.4 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500-2, 0-100 psi Pressure Gauge
Torque Multiplier ^F	Input: 25 lbf·ft to 250 lbf·ft	1.5 % of reading	Snap-On Electronic Torque Instrument TECH3FR250
	Output: 103 lbf·ft to 20 000 lbf·ft		AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500-2



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

**HYTORC Wind of Jacksonville, 6000 Philips Hwy, Suite 1, Jacksonville, FL 32216
Van #25, #70, #71, #73, #75, #78, & #82**

Mechanical

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
Pressure Gage ⁰	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT, Display TSD6500-2
Hydraulic Torque Wrench ⁰	Up to 20 000 lbf-ft	1.1 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Pressure Transducer TSD 10KPT, Display TSD6500-2
Manual Torque Wrench ⁰	Up to 600 lbf-ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02, Display 5000-ST
Pneumatic Torque Wrench ⁰	Up to 8 500 lbf-ft	1.1 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500-2, 0-100 psi Pressure Gauge

**HYTORC Wind of Los Angeles, 2350 Peck Road, City of Industry, CA 90601
Van #26, #39, #52, #61, & #81**

Mechanical

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
Pressure Gage ^{FO}	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT, Display TSD6500-2
Hydraulic Torque Wrench ^{FO}	Up to 40 000 lbf-ft	0.8 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD40011, TSD20011, Pressure Transducer TSD 10KPT, Display TSD6500-2
Manual Torque Wrench ⁰	Up to 600 lbf-ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02, Display 5000-ST
Pneumatic Torque Wrench ^{FO}	Up to 8 500 lbf-ft	1.5 % of reading	AKO Torque Master Calibration System: Torque Transducer, TSC40011, TSD20011, Display TSD6500-2, 0-100 psi Pressure Gauge



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

**HYTORC Wind of Cedar Rapids, 5915 4th Street, Unit 101, Cedar Rapids, IA 52404
Van #58, #59, #60, #65, #72, & #80**

Mechanical

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
Pressure Gage ^o	Up to 100 psi	0.3 % of reading	Ametek Model #T-975 with Crystal Engineering Gauge Model M1-100PSI
	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT, Display TSD6500-2
Hydraulic Torque Wrench ^o	Up to 20 000 lbf-ft	1.0 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Pressure Transducer TSD 10KPT, Display TSD6500-2
Manual Torque Wrench ^o	Up to 600 lbf-ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02, Display 5000-ST
Pneumatic Torque Wrench ^o	Up to 8 500 lbf-ft	1.3 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500-2, 0-100 psi Pressure Gauge
Torque Multiplier ^o	Input: 25 lbf-ft to 250 lbf-ft	1.7 % of reading	Snap-On Electronic Torque Instrument TECH3FR250
	Output: 53 lbf-ft to 20 000 lbf-ft		AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500-2



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

**HYTORC Wind of Frederick, CO, 3772 Puritan Way Unit12, Frederick, CO 80516
Van #23, #56, #76 & #79**

Mechanical

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
Pressure Gage ⁰	Up to 10 000 psi	0.3 % of reading	AKO Pressure Transducer TSD 10KPT, Display TSD6500-2
Hydraulic Torque Wrench ⁰	Up to 20 000 lbf-ft	0.5 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Pressure Transducer TSD 10KPT, Display TSD6500-2
Manual Torque Wrench ⁰	Up to 600 lbf-ft	1.2 % of reading	CDI Suretest 5000-3 Torque Calibration System: Torque Transducer 2000-12-02, Display 5000-ST
Pneumatic Torque Wrench ⁰	Up to 8 500 lbf-ft	2.7 % of reading	AKO Torque Master Calibration System: Torque Transducer TSD20011, Display TSD6500-2, 0-100 psi Pressure Gauge

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 F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this calibration at its fixed location.
4. The presence of a superscript ⁰ means that the laboratory performs calibration of the indicated parameter onsite at customer locations. Example: Outside Micrometer⁰ would mean that the laboratory performs this calibration onsite at the customer's location.



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

5. 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.
6. 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.
7. The main office is located at 333 Route 17 North, Mahwah, NJ 07430. This facility does not perform any calibrations.

