CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board
500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Northeast Metrology, Inc.
140 Industrial Drive
East Longmeadow, MA 01028

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations to which this accreditation applies.

AC-1519
Certificate Number

ANAB Approval

Certificate Valid: 11/26/2018-02/15/2021
Version No. 007 Issued: 11/26/2018

This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

ANSI-ASQ National Accreditation Board

ANAB

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 AND ANSI/NCSL Z540-1-1994 (R2002)

Northeast Metrology, Inc.
140 Industrial Drive
East Longmeadow, MA 01028
Mark Kuehl
413-525-1502

CALIBRATION

Valid to: **February 15, 2021** Certificate Number: **AC-1519**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Gage Blocks	Up to 4 in (5 to 20) in	(1.8 + 2.7*L*) µin (3 + 3.2*L*) µin	Gage Blocks
Regular and Thread Micrometer Standards	(1 to 20) in (21 to 72) in	(1 + 3.7*L*) µin (130 + 3.5*L*) µin	Universal Measuring Machine (UMM) Gage Blocks
Flute, O.D., Depth, Interchangeable-Anvil Micrometers [1]	Up to 72 in	(103 + 4.2*L*) µin	Gage Blocks
Caliper / Vernier [1]	Up to 120 in	(66 + 3.3*L*) µin	Gage Blocks Ring Gage
Pitch/Gear Wire Sets	Up to 120 TPI	13.7 µin	UMM Pin Gages
Thread Plugs	Up to 12 in	(66 + 2.6*L*) µin	UMM Gage Blocks Pitch wires
Thread Rings	Up to 6 in	(90 + 2.8*L*) µin	UMM Thread Set Plugs
Plain Plugs/Discs	(0.005 to 12) in	(9 + 3.9*L*) µin	UMM Gage Blocks

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Plain Ring Gages	(0.04 to 10) in	$(8 + 4L)$ µin	Ring/Disc Comparator Gage Blocks
Electronic, Dial, Test Indicators [1]	(0.000 05 to 4) in	$(26 + 4.6L)$ µin	Indicator Calibrator
V-Blocks	Up to 6 in	$(59 + 2.7L)$ µin	Assorted Calibrated and Tools
Height Gages [1]	Up to 24 in	$(123 + 3.5L)$ µin	Gage Blocks, Surface Plate
Pin Gages	(0.011 to 1) in	$(15 + 5.6L)$ µin	UMM Pin Gages Laser Micrometer
Ball Gages	Up to 2 in	$(15 + 2.4L)$ µin	UMM Gage Blocks
Squares	Up to 24 in	$(100 + 2L)$ µin	Indi-Square, Indicator, Surface Plate

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. L = Length in inches.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1519.

R.D.K.

Vice President