



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NEL PRETECH CORPORATION
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 Tinley Park, IL 60487
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MECHANICAL

Valid To: March 31, 2028

Certificate Number: 2140.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following dimensional tests¹:

I. Dimensional Testing

Parameter/Equipment	Range	CMC ^{2, 4, 5} (±)	Comments
Length ³ (1D) – Measure	Up to 25 mm	2.7 µm	ASME Y14.5 Micrometer
	Up to 150 mm	28 µm	Caliper
Radius ³ – Measure	(1 to 15) mm	0.16 mm	ASME Y14.5 Radius gage
	(1/64 to 0.5) in	0.01 in	
Volume ³ – (X, Y, Z) Measure	(700 × 270 × 270) mm	(3.7 + 13L) µm	ASME Y14.5 Zeiss Metrotom 800 CT
	(1150 × 300 × 600) mm	(5.6 + 25L) µm	Zeiss Metrotom 1500 CT
	(100 × 70 × 60) mm	16 µm	ATOS Q255, MV 100
	(350 × 260 × 260) mm	37 µm	ATOS Q255, MV350
	(700 × 1000 × 700) mm	(9.0 + 0.8L) µm	B&S Global Image CMM

Parameter/Equipment	Range	CMC ^{2, 4, 5} (±)	Comments
Volume ³ – (X, Y, Z) Measure (cont)	(900 x 1500 x 900) mm (700 x 1000 x 500) mm (400 x 400 x 300) mm	(21 + 0.6L) μm (15 + 0.6L) μm (2.5 + 2.5L) μm	ASME Y14.5 B&S Xcel CMM B&S MicroXcel CMM Mycrona Altera S/L CMM
Diameter ³ – Measure	(0.011 to 0.5) in	0.000 65 in	ASME Y14.5 Pin gages
Area ³ – (X, Y) Measure	(300 × 200) mm (300 × 300) mm	(6.8 + 3.0L) μm (14 + 0.3L) μm	ASME Y14.5 Starrett AVR300 Optical CMM RAM optical CMM
Angle ³ – Measure	(0 to 360)°	(0.0002 °/A) + 0.000 72 ° (0.000 32 °/A) + 0.0014 ° (0.000 92 °/A) + 0.0 ° (0.0021 °/A) + 0.0 ° (0.000 39 °/A) + 0.000 17 ° (0.0008 °/A) + 0.000 17 ° (0.000 52 °/A) + 0.000 046 ° (0.0012 ° /A) + 0.000 034 °	ASME Y14.5 Zeiss Metrotom 800 CT Zeiss Metrotom 1500 CT ATOS Q255, MV100 ATOS Q255, MV350 Starrett AVR300 optical CMM RAM optical CMM B&S Global Image CMM B&S Xcel CMM

Parameter/Equipment	Range	CMC ^{2, 4, 5} (\pm)	Comments
Angle ³ – Measure (cont)	(0 to 360) $^{\circ}$	(0.000 84 $^{\circ}$ /A) + 0.000 034 $^{\circ}$ (0.000 14 $^{\circ}$ /A) + 0.000 14 $^{\circ}$	ASME Y14.5 B&S MicroXcel CMM Mycrona Altera S/L CMM
Fixture Gages ³	(700 \times 1000 \times 700) mm (900 \times 1500 \times 900) mm (700 \times 1000 \times 500) mm	(9.0 + 0.8L) μ m (21 + 0.6L) μ m (15 + 0.6L) μ m	ASME Y14.5 B&S Global CMM B&S Xcel CMM B&S MicroXcel CMM
Surface Finish of Parts ³ – Measure	Ra (5 to 200) μ in Rq (5 to 200) μ in Rz (40 to 1200) μ in	(0.4 + 0.06S) μ in (0.4 + 0.06S) μ in (4.3 + 0.06S) μ in	ASME Y14.5 Mahr MarSurf M400

¹ This laboratory offers commercial dimensional testing.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ This test is not equivalent to that of a calibration.

⁴ In the statement of CMC, A is the numerical value of the shortest distance of the leg defining the angle in meters, S is the surface finish in the parameter in question in μ in, and L is the measured length in meters.

⁵ The type of instrument or material being tested is defined by the parameter. This indicates the laboratory is capable of testing instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.



Accredited Laboratory

A2LA has accredited

NEL PRETECH CORPORATION

Tinley Park, IL

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of any additional program requirements in the Mechanical field. 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).



Presented this 27th day of May 2026.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2140.01
Valid to March 31, 2028

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.