CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Concept Advanced Manufacturing Solutions,
BC MacDonald and Metrology Center
15625 Medina Road
Minneapolis, MN 55447

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 27 March 2028

Certificate Number: L2135-1

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Concept Advanced Manufacturing Solutions, BC MacDonald and Metrology Center

15625 Medina Road
Minneapolis, MN 55447

Jimmy McGue (815) 301-3004

CALIBRATION

ISO/IEC 17025 Accreditation Granted: **27 March 2026**

Certificate Number: **L2135-1** Certificate Expiry Date: **27 March 2028**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
3-Axis Measuring Systems			Comparisons to:
X,Y Axis Accuracy	Diagonal Length Up to 300 mm (300 to 625) mm	 1.8 µm 2.4 µm	Glass Scale (2D Grid)
Z Axis Accuracy	Up to 100 mm	3.2 µm	Gage Blocks, Test Indicator
Z Axis Accuracy	Up to 100 mm	1 µm	Gage Blocks
Machine Tools			Comparisons to
Linearity Deviation	Travel Range Up to 80 m	2.9 µm	Laser Interferometer
Volume - Circularity Deviation	Radius (50, 100, 150, 300) mm	2.4 µm	Ball Bar System

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. This facility is a part of the legal entity CMT OPCO Holding, LLC.

Jason Stine, Vice President

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