CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Hexagon Manufacturing Intelligence, Inc.
3536 Seagate Way
Oceanside, CA 92056

Fulfills the requirements of

ISO/IEC 17025:2017

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

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: 11 October 2025

Certificate Number: AC-1293

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 AND ANSI/NCSL Z540-1-1994 (R2002)

Hexagon Manufacturing Intelligence, Inc.

3536 Seagate Way
Oceanside, CA 92056
Nicholas Oliveira
401-479-5883

CALIBRATION

Valid to: **October 11, 2025** Certificate Number: **AC-1293**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Length Bar Standard	Up to 1.2 m	(2.3 + 3.6*L*) µm	CMM
Articulated Arm CMM (AACMM) – Volumetric Performance	Up to 1.2 m	(2.3 + 3.9*L*) µm	ASME B89.4.22 Sections 5.3 and 5.4 Length Bar Standard
Articulated Arm CMM (AACMM):	Sphere Diameter:		ISO 10360-12
Probing Size Error (P_{Size})	Up to 51 mm	0.65 µm	Test Sphere
Probing Form Error (P_{Form})	Up to 51 mm	0.049 µm	Test Sphere
Articulated Location Error (L_{Dia})	Up to 51 mm	0.059 µm	Test Sphere
Length Measurement Error Unidirectional (E_{Uni})	Length: (0.2 to 3) m	(2 + 2*L*) µm	Nest Bar with Conical Seats

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Articulated Arm CMM (AACMM) with Optical Distance Sensors Articulated Location Value (L_{Dia})	Sphere Diameter: Up to 51 mm	0.18 µm	ISO 10360-8 Annex D Test Sphere

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 meters.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1293.

Jason Stine, Vice President