



# 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](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

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 (+/-) <sup>2</sup>	Reference Standard, Method, and/or Equipment
Length Bar Standard	Up to 1.2 m	(2.3 + 3.6L) μm	CMM
Articulated Arm CMM (AACMM) – Volumetric Performance	Up to 1.2 m	(2.3 + 3.9L) μm	ASME B89.4.22 Sections 5.3 and 5.4 Length Bar Standard
Articulated Arm CMM (AACMM):			ISO 10360-12
Probing Size Error (P <sub>Size</sub> )	Sphere Diameter: Up to 51 mm	0.65 μm	Test Sphere
Probing Form Error (P <sub>Form</sub> )	Up to 51 mm	0.049 μm	Test Sphere
Articulated Location Error (L <sub>Dia</sub> )	Up to 51 mm	0.059 μm	Test Sphere
Length Measurement Error Unidirectional (E <sub>Uni</sub> )	Length: (0.2 to 3) m	(2 + 2L) μm	Nest Bar with Conical Seats

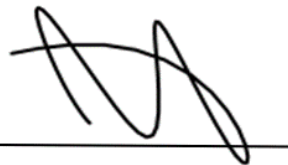
**Length – Dimensional Metrology**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) <sup>2</sup>	Reference Standard, Method, and/or Equipment
Articulated Arm CMM (AACMM) with Optical Distance Sensors  Articulated Location Value (L <sub>Dia</sub> )	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