



CERTIFICATE OF ACCREDITATION

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

This is to certify that
Hexagon Metrology, Inc.
250 Circuit Drive
North Kingstown, RI 02852

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

ISO/IEC 17025:2005

and national standard

ANSI/NCSL Z540-1-1994

while demonstrating technical competence in the field(s) of

CALIBRATION

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

AC-1159

Certificate Number

AClass Approval



Certificate Valid: 07/27/2011-07/31/2013
Version No. 003 Issued: 07/27/2011



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 January 2009).



SCOPE OF ACCREDITATION TO
ISO/IEC 17025:2005 & ANSI/NCSL Z540-1-1994

Hexagon Metrology, Inc.

250 Circuit Drive, North Kingstown, RI 02852
John Gaumont Phone: 401-886-2534

CALIBRATION

Valid to: July 31, 2013

Certificate Number: AC-1159

I. Dimensional

Table with 5 columns: PARAMETER / EQUIPMENT, RANGE, CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)], REFERENCE STANDARD OR EQUIPMENT, METHOD(S). Rows include Repeatability (CMM), Probing (CMM), Scanning (CMM), Length (CMM) with multiple sub-rows, and Volumetric Accuracy (CMM).



PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Roundness (Sphere)	(0 to 50) mm	0.15 µm	Circular Geometry Gage	ANSI B46.1
Diameter (Sphere)	Up to 19 mm (20 to 25) mm (26 to 50) mm	0.25 µm 0.31 µm 0.38 µm	Bench micrometer, master sphere and gage blocks	ANSI B46.1
Length (CMMs equipped with imaging probing systems)	Up to 400 mm (400 to 700) mm	(0.05+0.1L) µm (1.5+3L) µm	Glass scale	ISO 10360-7 (draft) B89.4.1

Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$
2. For measurements in the field the stated "best uncertainties" cannot necessarily be met due to different environmental conditions. Uncertainties of field performance verifications as stated on provided certificates are always calculated taking the actual environmental parameters into consideration. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope. Field Service personnel can refer to Appendix for guidance in calculating the uncertainties associated with the method(s) used.
3. This scope is part of and must be included with the Certificate of Accreditation No. AC-1159



Vice President