SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AND

ANSI/NCSL Z540-1-1994 R2002)

Core Services, LLC

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Myrtle Beach, SC 29577
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CALIBRATION

Valid to: **November 26, 2025** C tificate Number: **AC-1147**

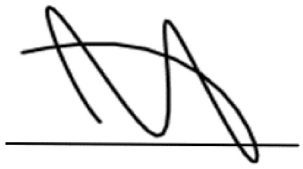
Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
CMM [1] Repeatability	(0 to 25.4) mm	0.87 µm	ASME B89.4.1b Sections 5.3.3; Datum Sphere
CMM [1,2] Linear Displacement Accuracy	(0.1 to 10) m	(0.79 + 1.7*L*) µm	ASME B89.4.1b Sections 5.4.3; Laser Interferometer
CMM [1,2] Linear Displacement Accuracy	(25 to 650) mm	(0.91 + 3.4*L*) µm	ASME B89.4.1b Sections 5.4.2; RBCM 650 Webber Bar
CMM [1,2] Volumetric Performance	(200 to 900) mm	(1.5 + 3*L*) µm	ASME B89.4.1b Sections 5.5.2 and 5.5.4; Ball Bar

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-1147.



Jason Stine, Vice President