

CERTIFICATE OF REGISTRATION

Society of Independent CMM Service Engineers
MG Metrology Services, Inc.



11328 Bogie Lake Road
White Lake, Michigan 48386 USA

Calibration Scope of Accreditation ISO/IEC 17025:2017

Date of Issue: May 15, 2021 - Expiration: May 14, 2024

Certificate Number: AGS- US051515-16/3 – Site #: 08

Parameter/Equipment	Range	Best Measurement Uncertainty	Remarks
Coordinate Measuring Machines (CMMs) ³			
Linear Displacement ³	0-40 Meters	(0.23+0.19L) µm	Renishaw ML10 Laser Per ASME B89.4.1-1997-Sec 5.4.3- Using Laser Interferometer
Volumetric Performance ³	8 inches	64 µin.	Quick Gauge Per ASME b89.1.9M
Linear Performance ³	0-24 inches	+/- (18+3.7L) µin.	Mitutoyo Step Gage Per ASME b89.1.9M
Linear Performance ³	0-40 inches	+/- (27+3L) µin.	Mitutoyo Step Gage Per ASME b89.1.9M
Linear Performance ³	12 inches	+/- (7.0+8L) µin.	GageBlock Per ASME b89.1.9M
Volumetric Performance ³	Ball Bar Lengths 100 through 1000 mm	+/- (5.0+4.4L) µin.	Bal-Tec Ball Bar L=Length of Ball-Bar Per ASME B89.4.1-1997-Sec 5.5.2- Using calibrated sphere
Repeatability ³	Calibrated spheres ranging from 15.875 through 50.00 mm	+/- (5.0+4.4D) µin.	Per ASME B89.4.1-1997-Sec 5.3.3- Using calibrated sphere

Notes:

- 1) This laboratory offers commercial calibration service.
- 2) Best Uncertainties represent expanded uncertainties using a coverage factor of k=2 which provides a level of confidence of approximately 95%.
- 3) On-site service is available for this parameter.
Disclaimer: The uncertainties achievable on a customer's site can normally be expected to be larger than the Best Measurement Capabilities (BMC) that the accredited laboratory has been assigned. Allowances must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the uncertainty introduced by the time being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the calibration uncertainty being larger than the BMC.