

Scope of Accreditation For Benchmark Metrology, Inc.

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In recognition of a successful assessment to ISO/IEC 17025:2005 to the following Calibration and Measurement Capabilities, accreditation has been granted to **Benchmark Metrology, Inc.** for the following:

Accreditation granted through: **December 9, 2019**

Dimensional Measurement

Length - Dimensional Measurement 1D

Inspection Parameter	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Dimensional Measurement 1D	(0 to 1) in	140 μin	Micrometer utilized as a Reference Standard for Dimensional Inspection
	(1 to 2) in	140 μin	
	(2 to 3) in	160 μin	
	(0 to 8) in	670 μin	Optical Comparator utilized as a Reference Standard for Dimensional Inspection

Length - Dimensional Measurement 3D

Inspection Parameter ¹	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Dimensional Measurement 3D	X: (0 to 20) in Y: (0 to 40) in Z: (0 to 20) in	(190 + 17L) μin	CMM utilized as a Reference Standard for Dimensional Inspection

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and remarks. 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) L = length in inches

Approved by: 
R. Douglas Leonard
Chief Technical Officer

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