

Scope of Accreditation For Benchmark Metrology, Inc.

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In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Benchmark Metrology, Inc.** to perform Dimensional Inspection in the following parameters:

Accreditation granted through: **October 17, 2010**

Dimensional Inspection

Length - Dimensional Inspection – Dimensional Measurement 1D

Inspection Parameter	Range	Best Measurement Capability (+/-) ¹	Remarks
Dimensional Measurement 1D	0 in to 6 in	0.00031 in (0.0078 mm)	Micrometer utilized as a reference standard for dimensional inspection
	0 in to 4.5 in	0.00015 in (0.0038 mm)	Indicator and Gage Blocks utilized as a reference standard for dimensional inspection

Length - Dimensional Inspection – Dimensional Measurement 3D

Inspection Parameter	Range	Best Measurement Capability (+/-) ^{1,2}	Remarks
Coordinate Measurements	X=0 mm to 500 mm Y= 0 mm to 1000 mm Z=0 mm to 500 mm	360 µin + 4.696 µin / inch (9.1 µm + 0.000119 µm / mm)	Utilized as a reference standard for dimensional inspection

Notes:

- 1) Best uncertainties represent expanded uncertainties at approximately the 95% confidence level using a coverage factor of k=2.

Approved by: 
R. Douglas Leonard
Chief Technical Officer

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