

Scope of Accreditation For Benchmark Metrology, Inc.

1116 SR 46 W
Batesville, IN 47006
Timothy Schrank
812-933-5421

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, 2013**

Dimensional Inspection

Length - Dimensional Inspection – Dimensional Measurement 1D

Inspection Parameter	Range	Calibration and Measurement Capability (+/-)	Remarks
Dimensional Measurement 1D	(0 to 1) in	130 μ m	Micrometer utilized as a Reference Standard for Dimensional Inspection
	(1 to 2) in	160 μ m	
	(2 to 3) in	160 μ m	
	(0 to 8) in	670 μ m	Optical Comparator utilized as a Reference Standard for Dimensional Inspection

Length - Dimensional Inspection – Dimensional Measurement 3D

Inspection Parameter	Range	Calibration and Measurement Capability (+/-) ¹	Remarks
Coordinate Measurements	X: (0 to 500) mm Y: (0 to 1000) mm Z: (0 to 500) mm	$(9.1 + 0.12L) \mu$ m	CMM utilized as a Reference Standard for Dimensional Inspection

Calibration and Measurement Capability (CMC) represents expanded uncertainties at approximately a 95% confidence level using a coverage factor of k=2.

Notes:

1) L = length in millimeters

Approved by: 
R. Douglas Leonard
Chief Technical Officer

Date: December 2, 2011