



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CMM TECHNOLOGY, INC.  
1230 Puerta del Sol  
San Clemente, CA 92673  
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CALIBRATION

Valid To: August 31, 2017

Certificate Number: 2061.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

I. Dimensional

Parameter/Equipment	Range	CMC <sup>2,4</sup> ( $\pm$ )	Comments
Coordinate Measuring Machines (CMM) <sup>3</sup> –			ASME B89.4.1-1997 with:
Repeatability	1 in	43 $\mu$ in	Sphere
Linear Displacement Accuracy	Up to 24 in (24 to 48) in (48 to 72) in (72 to 96) in (96 to 120) in	(43 + 0.63L) $\mu$ in (58 + 0.65L) $\mu$ in (89 + 0.56L) $\mu$ in (120 + 0.42L) $\mu$ in (150 + 0.33L) $\mu$ in	Step gage
	Up to 240 in	(43 + 0.99L) $\mu$ in	Laser system
Volumetric Performance	Ball Bar Length: Up to 32 in	(44 + 0.31L) $\mu$ in	Ball bar, spheres
Squareness	Ball Bar Length: Up to 32 in	(44 + 0.31L) $\mu$ in	Ball bar, spheres

<sup>1</sup> This laboratory offers commercial calibration service and performs field calibration service only.

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> Field calibration service is available for this calibration and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance 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 actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

<sup>4</sup> In the statement of CMC,  $L$  is the numerical value of the nominal length of the device measured in inches.



## *Accredited Laboratory*

A2LA has accredited

**CMM TECHNOLOGY, INC.**

*San Clemente, CA*

for technical competence in the field of

**Calibration**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories. This laboratory also meets R205 - Specific Requirements: Calibration Laboratory Accreditation Program.* This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system *(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).*



Presented this 28<sup>th</sup> day of July 2015.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 2061.01  
Valid to August 31, 2017  
Revised on July 20, 2017

*For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.*