



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MP COMPONENTS
 8499 Centre Industrial Drive
 Byron Center, MI 49315
 Tony Kimball Phone: 616 878 9710

MECHANICAL

Valid To: October 31, 2018

Certificate Number: 2247.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following dimensional testing/calibrations:

I. Dimensional Testing/Calibration¹

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
3D Measurements ³ – Steel Aluminum Non - Metal	Up to (40 × 48 × 25) in	(860 + 37L) μin (860 + 48L) μin (870 + 110L) μin	Bridge CMM (Helmel 69-15)
Steel Aluminum Non - Metal	Up to (40 × 60 × 35) in	(390 + 46L) μin (400 + 57L) μin (410 + 120L) μin	Bridge CMM (Scirocco 022)
Steel Aluminum Non - Metal	Up to (78 × 130 × 60) in	(790 + 39L) μin (790 + 50L) μin (790 + 110L) μin	Gantry CMM (Alpha 042)
Steel Aluminum Non - Metal	Up to (40 × 60 × 35) in	(420 + 45L) μin (420 + 57L) μin (440 + 120L) μin	Bridge CMM (Xcel 1294-608)

Parameter/Equipment	Range	CMC ² (±)	Comments
Length ³ – Outside Diameter	Up to 3 in	0.0001 in	Micrometers

¹ This laboratory offers commercial dimensional testing/calibration service.

² 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 uncertainty due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ This laboratory meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above and is considered equivalent to that of a calibration.

⁴ In the statement of CMC, L represents the numerical value of the nominal length of the device measured in inches.





Accredited Laboratory

A2LA has accredited

MP COMPONENTS

Byron Center, MI

for technical competence in the field of

Mechanical Testing

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 the requirements of any additional program requirements in the Mechanical field. 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 5th day of August 2016.

A handwritten signature in blue ink, appearing to read "J. C. Burt".

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 2247.01
Valid to October 31, 2018

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.