



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

RENISHAW ADVANCED CONSULTING & ENGINEERING, INC.
1650 Deep Wood Drive
Auburn Hills, MI 48326
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MECHANICAL

Valid To: April 30, 2020

Certificate Number: 2315.01

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

I. Dimensional Testing¹

Parameter/Equipment	Range	CMC ^{2, 3} (±)	Technique
Volumetric ⁴ – X-Axis Y-Axis Z-Axis	Up to 1200 mm Up to 2400 mm Up to 1000 mm	(5 + L/61) µm	Prismo CMM 88
X-Axis Y-Axis Z-Axis	(700 to 1525) mm (1000 to 2032) mm (600 to 1220) mm	(15 + L/59) µm	Dual beam CMM 77
X-Axis Y-Axis Z-Axis	Up to 300 mm Up to 250 mm Up to 300 mm	(4 + L/60) µm	Contura CMM

¹ This laboratory offers commercial dimensional testing service only.

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 or tests 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 or test 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 or test.

³ In the statement of CMC, L is the numerical value of the nominal length of the device or workpiece measured in millimeters.

⁴ This test is not equivalent to that of a calibration.

WITHDRAWN



Accredited Laboratory

A2LA has accredited

RENISHAW ADVANCED CONSULTING & ENGINEERING, INC.

Auburn Hills, 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 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 April 2017).



Presented this 1st day of June 2018.

A handwritten signature in black ink, appearing to read 'L. Sen', written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2315.01
Valid to April 30, 2020

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