



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SCHENCK USA CORP.
26801 Northwestern Highway
Southfield, MI 48033
Emil Wisekal Phone: 631 242 4010

CALIBRATION

Valid To: August 31, 2021

Certificate Number: 2571.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 6}:

I. Dimensional Testing/Calibration¹

Parameter/Equipment	Range	CMC ^{2, 5} (±)	Comments
Balance Machine Masters ⁴ –			
3D Length/Diameter	Up to 762 mm	0.010 mm + 0.10 % IV	CMM
Diameter	(50 to 100) mm	0.0050 mm	Snap gage & setting disk
Angle	Up to 360°	0°, 3', 0"	CMM

II. Mechanical

Parameter/Equipment	Range	CMC ^{2, 5} (±)	Comments
Balancers ³	(0 to 1000) g·cm	1.5 % IV (not less than 0.50 g cm)	Unbalance master
Mass	(0 to 5000) g	0.020 g + 0.020 % IV	Scale & ASTM Class 3 weights

Parameter/Equipment	Range	CMC ² (±)	Comments
Balance Machine Masters ³ – Unbalance	Up to 300 g·cm	1.0 g·mm/kg of rotor mass (not less than 5.0 g·mm)	Balancer

¹ This laboratory offers commercial dimensional testing/calibration service and field 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 due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ 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.

⁴ 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.

⁵ In the statement of CMC, IV is indicated value.

⁶ This scope meets A2LA's P112 Flexible Scope Policy.



Accredited Laboratory

A2LA has accredited

SCHENCK USA CORP.

Southfield, MI

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 April 2017*).



Presented this 23rd day of September 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2571.01
Valid to August 31, 2021

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