SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY ROCKFORD
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MECHANICAL

Valid to: February 29, 2028 Certificate Number: 0214.54

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on industrial drives, tractor components, automotive system and subsystems, consumer electronics, and electrical power/distribution equipment:

Test Technology/Description:	**Test Method(s) [1]:**
Fluid/Solvent/Chemical Resistance	RTCA/DO-160, Section 11; MIL-STD-202, Method 215; MIL-STD-810, Method 504
Temperature/Humidity Temperature: (20-150) °C RH: (10-95) % RH Temperature at 95 °C: 95% RH	RTCA/DO-160, Section 6; MIL-STD-810, Method 507; MIL-STD-202, Method 103; IEC 60068-2-2:2007; IEC 60068-2-78:2025
Temperature/Thermal Cycle/Thermal Shock Temperature and Thermal Cycle: (-50 to 150) °C Thermal Shock: (-55 to 150) °C	RTCA/DO-160, Sections 4 & 5; MIL-STD-810, Method 520; MIL-STD-810, Method 501; MIL-STD-810, Method 502; MIL-STD-810, Method 503
Altitude/Decompression (Up to 70,000 feet)	RTCA/DO-160, Section 4; MIL-STD-810, Method 520; MIL-STD-810, Method 505; MIL-STD-202, Method 105
Icing Test	RTCA/DO-160, Section 24; MIL-STD-810, Method 521

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Test Technology/Description:	**Test Method(s) [1]:**
Vibration / Shock [2] (5 to 2500) Hz 2-inch Peak to Peak Displacement 25,000 pounds Force Up to 1500 g Shock Up 18 milliseconds Duration Combined Environment (-40 to 150) °C	RTCA/DO-160, Sections 7 & 8; MIL-STD-810, Method 520; MIL-STD-202, Method 201; MIL-STD-202, Method 202; MIL-STD-202, Method 204; MIL-STD-202, Method 213; MIL-STD-202, Method 214
Acceleration (Centrifuge up to 50g acceleration)	MIL-STD-202, Method 212; MIL-STD-810, Method 513
Highly Accelerated Life Test (HALT) – Highly Accelerated Stress Screening (HASS) Temperature (-100-200) °C Temperature Ramp Rate: 60°C/min Vibration: 50 G's 5-10,000 Hz	Qualmark HALT Guidelines 933-0336; GMW3172; IEC 60068-2-14; IPC9592A
Salt Fog	ASTM B117; RTCA/DO-160 Section 14; MIL-STD-810, Method 509; MIL-STD-202, Method 10
Dripping Rain	MIL-STD-810H Method 506.6 Procedure III; RTCA/DO-160 Section 10

On the following product types:
Aerospace, Defense, Automotive, and Commercial.

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard test method, per Annex A, Part C of A2LA's *R101 - General Requirements: Accreditation of Conformity Assessment Bodies.*

[2] Also using customer specifications based on the above standards and within the listed parameters.

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Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY ROCKFORD

Rockford, IL

for technical competence in the field of

Mechanical Testing

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 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 March 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.54
Valid to February 29, 2028

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

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