



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INNOVATIVE TEST SOLUTIONS, INC.
551 Kings Road
Schenectady, NY 12304
Sam Acevedo Phone: 518 688 2851 x506

MECHANICAL

Valid To: November 30, 2025

Certificate Number: 2631.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on metals and alloys for commercial and aerospace industries:

Testing Capabilities:

Load, Longitudinal Strain, and / or Stroke control (Uni-Axial)

Frequency Capacity: Indefinite hold up to 20kHz

Load Capacity: 0.01 lbs. (5g) to 100,000 lbs. (445kN)

Strain Capacity: +/- 0.5% to +/- 20%

Stroke Capacity: Up to 10 inches (254mm)

Temperature Capability: -320°F (196°C) to 3000°F (1650°C)

Waveforms: Sine, ½ Sine, Square, Sawtooth, Trapezoidal, Triangle, Random & Mission Spectrums)

<u>Test</u>	<u>Parameter</u>	<u>Test Method</u>
Room Temperature Tensile	50,000 lbs	ASTM E8/E8M
Elevated Temperature Tensile	(-320 to 2000) °F; ≤ 50,000 lbs	ASTM E21
Creep	2000 °F; ≤ 12,000 lbs	ASTM E139
Stress Rupture	2000 °F; 12,000 lbs	ASTM E139 (Smooth) ASTM E292 (Notched)
High Cycle Fatigue	(-320 to 2000) °F; ≤ 20,000 lbs	ASTM E466
Low Cycle Fatigue	(-320 to 2000) °F; ≤ 20,000 lbs	ASTM E606
Furnace Cycle Test	(500 to 2800) °F	LTI-044
HCF Vibration	(RT to 2000) °F 10Hz – 20kHz	LTI-032

Test**Test Method**

Fracture Toughness

ASTM E399

Junker

DIN 25201-4: LTI-057

Wear

ASTM D3702: LTI-019, ASTM G99: LTI-066

Surface Roughness

ASME B46.1

Crack Growth

ASTM E647

Dye Penetrant Inspection

ASTM E1220

Cavitation Erosion

ASTM G32

Keyence 3D Scanning

LTI-061

Tensile Properties of Plastics

ASTM D638 (Except section 9)

Mechanical Component Testing

LTI-017

Standard Test Method for Tensile Properties of
Polymer Matrix Composite Materials

ASTM D3039

Standard Test Method for Flexural Strength of
Advanced Ceramics at Ambient Temperature

ASTM C1161



Accredited Laboratory

A2LA has accredited

INNOVATIVE TEST SOLUTIONS, INC.

Schenectady, NY

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 22nd day of August 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2631.01
Valid to November 30, 2025

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