



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

INNOVATIVE TEST SOLUTIONS, INC. (A.K.A. ITS)
551 Kings Road
Schenectady, NY 12304
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MECHANICAL

Valid To: November 30, 2019

Certificate Number: 2631.01

In recognition of the successful completion of the A2LA evaluation process (including compliance to R223 – Specific Requirements – GE Aviation S-400 Accreditation Program), accreditation is granted to this laboratory to perform the following tests on metals and alloys for commercial and aerospace industries:

<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
Thermal Shock JETS Test	(1000 to 3000) °F	LTI-010
HCF Vibration	(RT to 2000) °F 10Hz – 20kHz	LTI-032

<u>Test</u>	<u>Test Method</u>
Fracture Toughness (Crack Growth)	ASTM E399
Junker	DIN 25201
Operational Shocks and Crash Safety	RTCA/DO-160F – Section 7 (Excluding 7.3.3)

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Test

Test Method

Vibration

RTCA/DO-160F – Section 8

Wear

ASTM D3702, G99

Elastic Modulus of Ceramic Coatings

LTI-006

Surface Roughness

ANSI B46.1

FRT White Light Scanner

LTI-059

Strain Gaging

LTI-024



Accredited Laboratory

A2LA has accredited

INNOVATIVE TEST SOLUTIONS, INC. (A.K.A. ITS)

Schenectady, NY

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of R223 – Specific Requirements: GE Aviation S400 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 8 January 2009*).



Presented this 11th day of December 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2631.01
Valid to November 30, 2019

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