



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 11<sup>th</sup> 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.*