

ADDITIVE MANUFACTURING

MATERIALS & NON DESTRUCTIVE TESTING SOLUTIONS

With the rapid advances in Additive Manufacturing, a reliable testing partner is vital to ensuring quality products and meeting tight deadlines. Laboratory Testing Inc. offers a comprehensive array of services for testing input materials, prototypes and finished products and for comparison testing of these materials with those produced by traditional methods.

A Leader in Materials Testing Since 1984

LTI's team of highly qualified and trusted engineers, chemists and technicians has the ability to solve complex testing needs for our clients. Testing services are performed to ASTM standards, as well as industry specifications. Services are available to accomplish the following and more:

- Identify material composition; trace elements and impurities
- Measure apparent density
- Verify mechanical properties and heat treat upgrade
- Evaluate microscopic product features
- Identify flaws and discontinuities
- Determine corrosion susceptibility

Failure analysis, dimensional inspection and calibration services are also provided by LTI.



Years of experience working with the aerospace, military, medical, power generation, transportation and other major industries is just one of our qualifications.

More Qualifications

- NADCAP and A2LA accredited
- ISO/IEC 17025 certified
- ASME NQA-1, ISO 9001 and ISO 13485 compliant
- GE Aviation S-400 approved

Approvals

Our lab has the approval of hundreds of prime contractors and other customers. Here are just a few:

Airbus	Aerojet Rocketdyne	LCS Pratt & Whitney	Orbital ATK
Boeing	Bell Helicopter	Lockheed Martin	RTI Surgical
GE Aviation	Honeywell	Rolls Royce	Zimmer-Biomet
Gulfstream	Parker Aerospace	United Launch Alliance	
Sikorsky	UTC Aerospace		

Learn more about the testing and specimen machining capabilities available from LTI.



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CHOOSE LTI FOR FAST, RELIABLE TESTING

Providing a Complete Line of Testing to Industry Specifications, including:



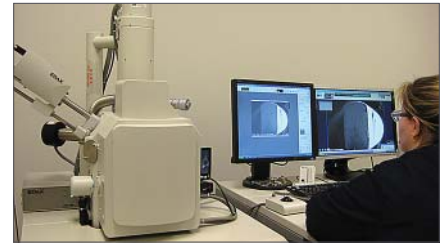
CHEMISTRY
Apparent Density
Chemical Composition
Trace Analysis
FTIR Analysis

METALLOGRAPHY
Microscopic Examination
Macroscopic Examination
SEM Analysis
Microhardness

FRACTURE MECHANICS
Fatigue Crack Growth
Fracture Toughness

MECHANICAL TESTING
Tensile
Elevated Temperature
Charpy Impact
Stress Rupture
Creep
Hardness

NONDESTRUCTIVE
Liquid Penetrant
Magnetic Particle
X-ray Inspection



Also Offering State-of-the-Art Specimen Machining



The Machine Shop at LTI can prepare all specimens and samples for destructive testing, and runs on two work shifts for reliable fast turnaround. We also build out specimens to order for customers who do their own in-house testing.

- Performed to ASTM standards A370, E8, E23
- Accredited by NADCAP

Contact us and ask how LTI can help with your specific requirements.



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