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:

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<thead>
<tr>
<th>Company</th>
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<tr>
<td>Airbus</td>
<td>Aerojet Rocketdyne</td>
<td>LCS Pratt &amp; Whitney</td>
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<td>Boeing</td>
<td>Bell Helicopter</td>
<td>Lockheed Martin</td>
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<td>GE Aviation</td>
<td>Honeywell</td>
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<td>Gulfstream</td>
<td>Parker Aerospace</td>
<td>United Launch Alliance</td>
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<td>Sikorsky</td>
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Learn more about the testing and specimen machining capabilities available from LTI.
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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