

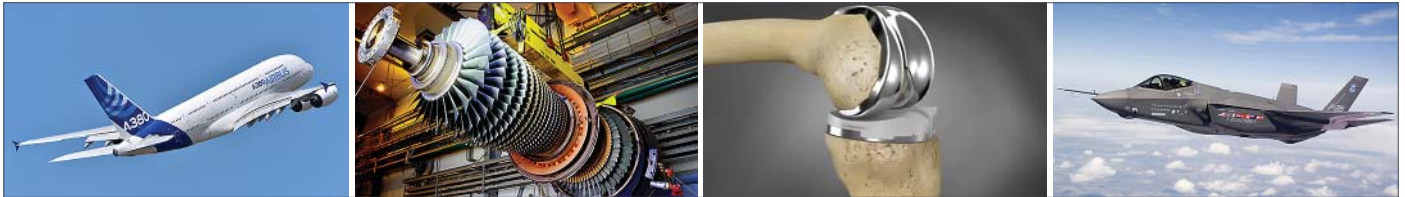
TITANIUM TESTING

Be sure that you're producing titanium material that is free of defects or purchasing material that will meet your needs. Laboratory Testing Inc. has all the capabilities to test your material nondestructively for flaws and inconsistencies. Our mechanical testing, metallography and chemistry labs can evaluate material composition and the effects of heat treating processes.

LTI has been in business since 1984 providing cost-effective solutions for clients in a wide-range of industries. We're accredited by Nadcap and A2LA, and approved by many primes, material suppliers and manufacturers. Customers count on us for:

- Fast service
- Reliable test results
- Easy access to our technical experts

YOUR FULL-SERVICE TEST LAB FOR TITANIUM & TI ALLOYS



Meeting Your Needs is a Top Priority

LTI is Nadcap accredited in Materials and Nondestructive Testing and also accredited by A2LA in accordance with ISO/IEC 17025 for Materials Testing (chemistry, metallography, mechanical testing). Testing services are performed to industry standards, including:

- AMS
- AMS-T
- AMS-STD
- ASME
- ASTM
- NAS
- MIL-T
- MIL-STD

We also have Pratt & Whitney (MCL F23) and GE S-400 & S-1000 approvals.

Testing all Common Titanium & Ti Alloy Compositions

You'll find that LTI is experienced with all types of titanium and can provide the testing you need to your specifications. Some of the materials we see often include:

- CP 1, 2, 3 & 4
- Ti 6AL-4V
- Ti 6AL-4V ELI
- Ti 3AL-2.5V

Continue reading for more information about the testing capabilities available from LTI.



TITANIUM TESTING

CHOOSE LTI FOR FAST, RELIABLE TESTING

High Speed Immersion Ultrasonic Testing

We run five (5) UT systems on two work shifts to meet customer deadlines.

Capabilities include:

- Tubing, pipe and round bar stock
- Material diameter from 0.125 in. (1/8 in.) to 6.625 in. (6 5/8 in.)
- Material length to 70 ft.

Onsite Experts for Convenience

- NDT MIL-STD-2132 Examiner
- Pratt & Whitney SIM Level 3
- On-site DCMA Q.A. Rep
- Certified Level 2 & 3 Inspectors



One of five high-speed immersion U T systems



Many More Services at One Location

Chemistry

Instrumental and wet chemistry services include:

- Hydrogen, Nitrogen, Oxygen Determination
- Sulfur & Carbon Analysis
- ICP Analysis

Alpha Case Evaluation

Microscopic examination to determine the extent of alpha case formation

Microhardness Testing

Vickers and Knoop microhardness testing performed by our metallography team

Mechanical Testing

Complete mechanical properties testing to industry specifications, including:

- Tensile
- Stress Rupture
- Creep
- Fracture Toughness
- Fatigue Crack Growth

Ask how LTI can help with your specific testing requirements.



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