The Fracture and Fatigue Lab at Laboratory Testing Inc. provides highly reliable High and Low Cycle Fatigue, Fatigue Crack Growth and Fracture Toughness Testing. LTI is NADCAP and A2LA ISO/IEC 17025 accredited, and has been in the materials testing business since 1984. The engineering group has the technical expertise, years of experience and equipment to handle your testing needs. The Lab routinely performs testing to the following standards:

- ASTM E466
- ASTM E606
- BS-EN 6072
- BS-EN 7270
- AIA/NAS – NAS 1069
- ASAM 1312
- ASTM E647
- ASTM E399
- ASTM E606
- ASTM E1921
- ASTM E2899
- ASTM E1820

They also work closely with clients to develop custom test procedures for unique requirements.

**Fully Equipped to Provide Testing Solutions**

The Lab is equipped with thirty-one computer-controlled servo hydraulic load frames that provide loads ranging from 40 lbf. to as high as 110,000 lbf., cycling at a rate of up to 60 hertz.

Our temperature chambers, furnaces and instrumentation can perform tests at temperatures between -323°F and 1800°F.

Metals, including steel, aluminum, titanium, nickel alloy and super alloy, in a full range of geometries and sizes, can be prepared and tested at LTI.

**SPECIMEN MACHINING FOR FRACTURE & FATIGUE**

**Preparing Specimens and Fixtures for Testing**

LTI’s in-house machine shop is equipped with the latest CNC equipment for machining fixtures and test specimens. CNC Cylindrical Grinding is used for cylindrical and out of round grinding, and is performed using C-axis technology.

Specimens are prepared as required by ASTM specifications, including the following for Fracture and Fatigue Testing:

- C(T)
- M(T)
- Surface Flaw
- DC(T)
- SEB
- SEN

We also prepare specimens for customers who do their own in-house testing.

Email, call or visit our website for more information, accreditation certificates and pricing.

**800-219-9095**

Fax: 800-219-9096

E-mail: sales@labtesting.com

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