

Laboratory Testing, Inc.

Company Profile and Quality System Overview

Scope:

The purpose of this document is to efficiently provide our customers with information that is frequently required on questionnaires and survey forms.

Location:

Laboratory Testing, Inc. is located in Hatfield Pennsylvania, approximately 30 miles northwest of Philadelphia, convenient to the Pennsylvania Turnpike northeast extension, Route 476. Directions are available at www.labtesting.com

Address: 2331 Topaz Drive, Hatfield, PA. 19440
Phone: 1-800-219-9095 Fax: 1-800-219-9096
E-mail: sales@labtesting.com
Website: www.labtesting.com

Services and Products Provided:

Materials Testing: Nondestructive Testing, Mechanical Testing, Fracture Mechanics, Metallography, Chemical Analysis, Failure Analysis and Materials Engineering.

Metrology: Calibration, Dimensional Inspection, Field & Repair Services, New Instrument and Part sales, Contamination Control and Certification Services.

Machining: Test specimens, EDM, Low-Stress Grinding, and Specialty Machining.

Company Overview:

Since 1984, Laboratory Testing Inc. (LTI) has been providing businesses throughout the world with accurate, affordable testing services. LTI is an independent laboratory specializing in the inspection and analysis of metals and alloys, instrument calibration, test specimen machining, failure analysis and materials engineering, serving all business sectors including: Aerospace, Nuclear, Military, Medical, Automotive and Commercial.

EXECUTIVE LEADERSHIP TEAM

**Chief Executive Officer
President / Chief Operating Officer
Director of Quality & Improvement
Director of Sales & Marketing
Machine Shop / CI Manager
General Manager of TACTIC**

Michael McVaugh
Brandon McVaugh
Jonathan Faia
Mike Hiller
Brad McVaugh
Michael Coulton

LTI MANAGEMENT

**Senior Manager, Fracture Mechanics
Director of Human Resources
Destructive Testing Manager
Marketing Manager
Quality Assurance Manager
Metrology Manager
Nondestructive Testing Manager
Chemistry & Metallography Asst. Mgr.
Senior Metallurgist
Facilities Manager
Controller**

Matthew A. Adler, PhD
Scott Ruszczyk
Bill Stockdale
Sharon Bentzley
Ed Deeny
Eva Pellow
Rich Goodwin
Marion Crooks
Alan Fabiszewski
Tim Snyder
Leo Resinski

Facilities:

The size and layout of our facilities encompasses approximately 110,000 square feet in three buildings. The facilities allow for efficient and safe processing of large orders and large materials. LTI's chemists, engineers, machinists and certified technicians use computerized, state-of-the-art equipment to provide you with the highest quality services. LTI has an active safety committee and maintains an environmentally-friendly workplace.

<u>Personnel:</u>	<u>Number</u>
Company-Wide:	180
Non-Destructive Examination:	26
Mechanical Testing:	20
Metallographic & Chemical Testing:	16
Metrology:	18
Machining:	18
Quality Assurance:	10
Administration, Sales, Marketing, & Support:	33

Laboratory Testing, Inc. (LTI), in accordance with good practice and Federal law, maintains that no employee or applicant will be discriminated against because of age, marital status, color, race, creed, sex, national origin, sexual orientation, citizenship or disability. LTI employees are not represented by a union.

Accreditations:

A2LA - The American Association for Laboratory Accreditation

A2LA has accredited Laboratory Testing, Inc. for technical competence in the field of Calibration. Scope of Accreditation to ISO 17025:2005 & ANSI/NCSL Z540-1-1994, Certificate No. 117.04

A2LA has accredited Laboratory Testing, Inc. for technical competence in the field of Mechanical/Dimensional Testing. Scope of Accreditation to ISO 17025:2005 Certificate No. 117.02

A2LA has accredited Laboratory Testing, Inc. for technical competence in the field of Chemical Testing. Scope of Accreditation to ISO 17025:2005 Certificate No. 117.05

PRI / Nadcap* - Performance Review Institute

AC 7004 – Aerospace Quality System
Accredited by the Performance Review Institute (PRI)/Nadcap

AC7101/1/2/3/4/5/6/7/9 & AC7110/13 for Materials Testing/Nadcap
Accredited by the Performance Review Institute (PRI)

AC7114 for Nondestructive Testing
Accredited by the Performance Review Institute (PRI), certificate granted by the Nadcap Management Council

*Nadcap is PRI's brand name for the industry-managed program for special processes in the aerospace industry. It is an international program and ensures that Nadcap is recognized for industry-managed world class quality control for special processes.

Aerospace Customer Approvals:

LTI is an approved vendor for Pratt & Whitney, The Boeing Company, Bell Helicopter, GE Aircraft Engines, Airbus, UTC Aerospace Systems, Northrop Grumman, Sikorsky, Eaton Corporation, Leonardo, Gulfstream, Rolls-Royce, Lockheed Martin, General Dynamics, and many other national corporations.

Customer Service / Sales:

Mike Hiller is the Director of Marketing and Sales and John Stango is the Inside Sales Manager. In addition to the above aerospace customers, LTI's other major customers include: DuBose National Energy Services, Tech Cast Inc., B&G Manufacturing Co., National Institute of Standards and Technology, Summerill Tube Co., Tioga Pipe, Defense Supply Center, Consolidated Power Supply, Plymouth Tube Co., Haynes International.

Quality:

The Director of Quality & Improvement is Jonathan Faia, who reports directly to the President. He is vested with the responsibility, authority and organizational freedom to maintain and improve the quality program and ensure compliance with all customer and regulatory requirements. Quality program responsibility and authority is also delegated to Ed Deeny, Quality Assurance Manager, who also acts on behalf of the Director of Quality.

LTI maintains a Quality System Program Manual which is available on our website: www.labtesting.com. To view or print a copy of our Quality System Program Manual, click the "Quality Manual" button.

The Laboratory Testing Incorporated Quality System Program Manual is developed to comply with the following requirements:

- ASME Boiler and Pressure Vessel Code, Section III, Division I, Subsection NCA, (NCA-3800/4200)
- ASME NQA-1
- 10CFR50, Appendix B
- ISO/IEC 17025
- ANSI/NCSS Z540-1
- MIL-STD-45662A
- MIL-I-45208A
- ISO 10012-1
- AS 9100
- ISO 9001
- AC7101/1/2/3/4/5/6/7/9 & AC7110/13
- AC7004
- AC7114 /1/2/3
- IATF 16949
- ISO 13485
- PED - Pressure Equipment Directive 97/23-EC

LTI's Quality Policy is stated in the Quality System Program Manual as well as being detailed in a procedure.

Personnel: Responsibilities, Qualification & Training

Basic responsibilities and requirements for indoctrination and training of LTI personnel performing testing and calibration activities have been established. Responsibilities are stated in the Quality System Program Manual. Quality Assurance shall ensure that personnel performing functions within the scope of the quality program are trained, qualified and certified, as required.

NDT personnel are certified in accordance with SNT-TC-1A, NAS 410, PED, MIL-STD-2132 and AWS CWI.

Internal Audits

Qualified personnel perform audits of each department on an annual basis. The President utilizes an outside qualified auditor to perform audits of the complete quality system.

Management Review

The President performs an annual review of the quality system to determine its adequacy and effectiveness.

Order Entry and Contract Review

Trained personnel in conjunction with department managers, translate customer requirements into LTI documents. Verification is made that the technical requirements are within the scope of LTI's capability and that the appropriate tests and / or calibration methods are selected.

Document Control

Procedures are in place for the review, approval, issuance and maintenance of customer, commercial, military and internal procedures, specifications, standards and drawings.

Identification and Traceability

Detailed requirements are established for marking / identification of material and to maintain traceability from the time LTI receives material, through completion of all operations, to final disposition of the material in accordance with the customer's requirements.

Environment

Controls are in place to ensure that all tests, examinations and calibrations are performed in an environment that will not adversely affect the measurement or test results.

Equipment and Instrument Control

All equipment and instruments used for examination, test and calibration are maintained within an accredited calibration program that complies with ISO/IEC 17025, ANSI/NCSL Z540-1, ISO 10012-1, MIL-STD-45662, ANSI N45.2 and NQA-1.

Examination, Test, Calibration services and Specimen preparation

Examinations, tests, calibration services and specimen preparation are performed in accordance with detailed written procedures by qualified personnel.

Nonconforming items and Corrective Action

Detailed procedures have been established for the identification, segregation and control of nonconforming items and to take appropriate corrective action to prevent recurrence.

All 10CFR50B orders completed at LTI are subject to the requirements of 10CFR21. This document and the procedure for compliance is posted within the facility, and personnel advised of the requirements.

Handling, Storage, Preservation and Shipment

Procedures and controls are in place to prevent damage and deterioration of material and instruments within LTI's facility and to ensure their safe return to the customer.

Test Reports and Certifications

Test Reports and certifications are prepared upon completion and review of all testing, dimensional inspection and calibration results. These documents accurately describe the item(s), are legible, reproducible, and comply with all customer requirements.

Control of Records

Quality records are controlled in accordance with detailed procedures to preclude deterioration and to be readily retrievable.

Quality records are maintained for a minimum of 10 years.

Test specimens are retained for a minimum of 30 days.

Supplier Evaluation and Procurement Control

All vendors supplying material or services that affect quality shall be approved prior to procurement, based on a review of their accreditations, an audit of their quality program and/ or satisfactory performance. Procurement documents include appropriate technical and quality requirements. Compliance to purchase order requirements is verified upon receipt of the item or service.

Corrective Action, Preventative Action & Continuous Improvement

Procedures are in effect to address conditions adverse to quality and to continually improve processes in order to meet customer requirements and expectations.

This program includes the timely response to customer complaints and feedback and to ensure customer satisfaction.

Customer Access:

Customers are encouraged to visit our facility.
Arrangements for audits can be made with our quality department.
Jonathan Faia, Director of Quality and Improvement
Ed Deeny, Quality Assurance Manager
Scheifele, Quality Assurance Specialist

Hold and witness points shall be specified in your purchase order.

Government Quality Representative:

A resident Quality Assurance Representative (QAR) from DCMA Philadelphia, Naval Special Emphasis Program, maintains an office at Laboratory Testing, Inc.