

METROLOGY

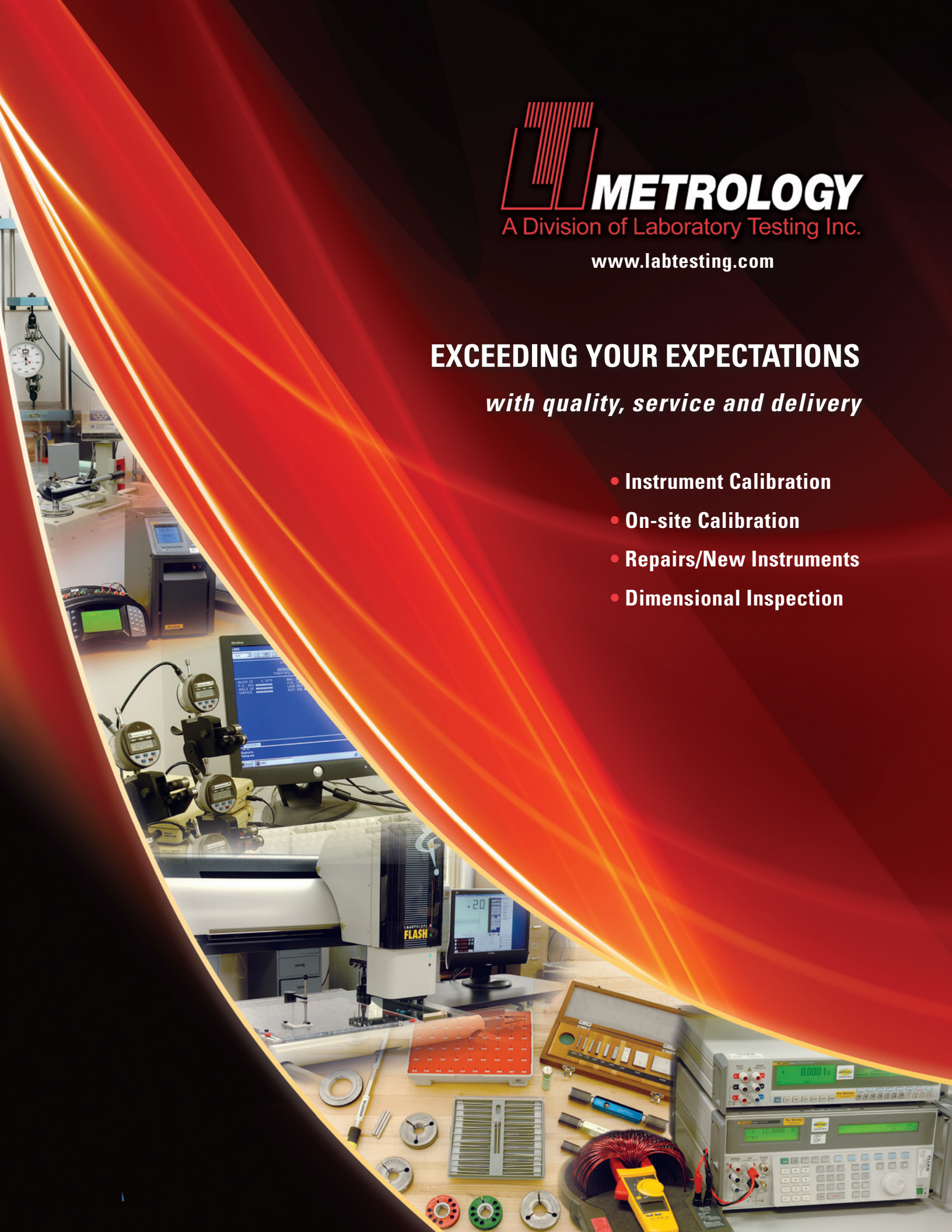
A Division of Laboratory Testing Inc.

www.labtesting.com

EXCEEDING YOUR EXPECTATIONS

with quality, service and delivery

- Instrument Calibration
- On-site Calibration
- Repairs/New Instruments
- Dimensional Inspection



LTI METROLOGY, YOUR LAB FOR CALIBRATION AND DIMENSIONAL INSPECTION

LTI Metrology is a division of Laboratory Testing Inc. (LTI), a leading metals and plastics testing laboratory in business since 1984. The metrology division has been providing customers with calibration and dimensional inspection services for over twenty years to help ensure flawless production at their facilities. All services are available at our PA (USA) location for convenience and timely turnaround.

You can expect exceptional service, technical expertise and reliable results from the highly qualified technicians and dedicated support staff. There are even more reasons LTI Metrology should be your solution for calibration and dimensional inspection needs:

- Environmentally-controlled laboratory to stabilize products, instruments and standards before and during inspection
- Detailed Certified Reports documenting all completed work and results
- A2LA accreditation to ISO/IEC 17025
- Inspection and quality system in accordance with the following specifications:

ANS/ISO/IEC 17025
ANSI/NCSL Z 540-1
ASME NOA-1
ASME Section III NCA-3800
ISO-9001
ISO-10012-1
10 CFR 50 Appendix B
10 CFR 21
AC7006
AS7114



Temperature Calibration



Pressure & Dead Weight Calibration

FULL SERVICE LABORATORY

If you also purchase materials testing or failure analysis services, LTI is your one-stop lab.

- Calibration
- Dimensional Inspection
- Mechanical Testing
- Metallurgical Testing
- Chemical Analysis
- Corrosion Testing
- Nondestructive Testing
- Failure Analysis
- Specimen Machining

*Ask for our
Testing & Machining
Brochure.*

Contact LTI Metrology for more information on services, accreditations or pricing. We're here to make your job easier and help your business run smoothly.

CALIBRATION

Many factors can cause your company's measuring tools, instruments and masters to be out of tolerance, leading to costly errors in production. Periodic calibration will let you know if they are measuring within accuracy guidelines. The team at LTI Metrology verifies instrument performance with NIST-traceable calibration and, when needed, can adjust, repair or replace your instruments. We have an inventory of over 750 master set plugs for calibrating threaded ring gages and work with top-of-the-line computerized equipment that provides an extensive range of capabilities:

Dimensional calibration of hand tools, gages and standards including -

- Length standards up to 120 in.
- Gage blocks up to 20 in.

Electrical, temperature, humidity, force, torque, pressure, mass and vacuum calibration

- Torque wrenches and transducers from 0 to 2,000 ft. lbs.
- High accuracy piston gauge (700 - 40,000 PSI) for calibrating lab standards to 5 ppm.
- Pressure up to 40,000 PSI
- Precision Infrared Calibrators

Subcontracting of flow orders to our approved vendor

On-site equipment, instrument and hand tool calibration

- Surface plates up to 14 ft. diagonal
- CMMs with volumetric cubes up to 1600 mm.
- Laser linear verifications of measuring tables and length machines
- Pressure calibrations up to 1,000 PSI
- Hardness testers, optical comparators, temperature controllers, ovens, balances, testing machines and more

DIMENSIONAL INSPECTION

Dimensional inspection is often performed during product development or following production to verify that geometric characteristics of products comply with their design specifications. LTI Metrology can meet your dimensional inspection needs, whether you have single-piece layouts or large-volume projects. We provide first-article inspections for prototypes and third-party inspections for product certification and verification according to NAS, MS and ANSI specifications.

Our technical team inspects surface and specialty features of products, as well as internal and external fastener threads using a variety of inspection methods:

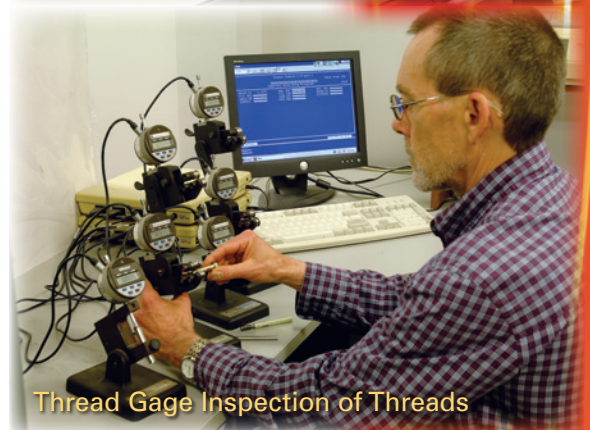
- Contact CMM - products up to 18" x 20" x 16"
- Video (non-contact) CMM - capacity to 20" x 18" x 8"
- Conventional Inspection - using equipment such as thread, plug and height gages, micrometers, calipers and surface plates



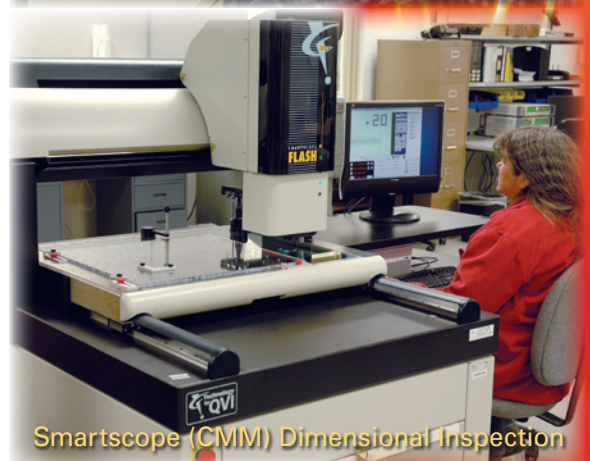
Electrical Calibration



Torque Calibration



Thread Gage Inspection of Threads



SmartScope (CMM) Dimensional Inspection



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