

# FIELD CALIBRATION

**S**chedule an appointment with LTI's field technicians for the most convenient solution to your calibration needs. When we perform the work at your facility, equipment can stay in service until the last minute and you avoid shipping risks and inconvenience, especially with large and fragile items.

Our wide array of calibration services is A2LA accredited, NIST traceable and in compliance with MIL-STD-45662A, ISO-10012-1, ANSI/NCSL Z-540-1 and ISO/IEC 17025. When needed, we can provide adjustments and repairs. You'll receive a Calibration Certificate with each order showing all results and services performed..

## Calibration Services at Your Convenience

LTI technicians are equipped to perform all of the following calibrations at your facility:

- Surface Plates
- Rockwell Hardness Testers
- Microscopes
- Optical Comparators
- Coordinate Measuring Machines (CMM)
- Compression Testing Machines
- Balances/Scales
- Temperature Controllers/Digital Readouts
- Oven/Furnace Uniformity Surveys
- System Accuracy Tests
- Measuring Hand Tools/Instruments
- Force Gages

## TEMPERATURE CALIBRATION

### Assuring the Temperature is Right

Equipment that operates at the correct temperature is important for reliable and quality results. LTI can help make sure you are getting optimal performance from your equipment when we provide uniformity surveys, system accuracy tests and controller calibrations. We perform all of these services according to AMS2750D pyrometry procedures and meet Nadcap requirements.

Oven and furnace uniformity surveys are essential for precise and consistent production and efficient use of energy. During a uniformity survey, LTI field technicians



Conducting an oven survey to meet Nadcap requirements for AMS2750D



Calibrating temperature controllers on a stress rupture machine

check temperatures in various locations of the equipment to assess deviations in output. Adjustments and repairs can be made to maintain a constant temperature throughout for optimal performance.

To schedule field service, contact our Field Supervisor at [mhiller@labtesting.com](mailto:mhiller@labtesting.com) or 215-716-7150.

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## SURFACE PLATES



Computerized surface plate calibration using leveling feet

### Maintaining Surface Plates for Peak Performance

Surface plates wear over time and must be maintained for precision accuracy. During calibration, LTI completely measures surface flatness and repeatability. The plate is then resurfaced to bring measurements within grade guidelines. Before we leave your facility, we will clean and lightly polish the plate. You will receive detailed diagrams and measurements explaining wear and deviation from the standard.

## FORCE & DIMENSIONAL CALIBRATION

### Keeping Your Equipment in Top Working Order

Force equipment, gages, balances, scales and measuring hand tools can be calibrated during our visit to your facility. If you need new measuring instruments, replacement parts, items missing from sets, or replacements for out-of-tolerance instruments, LTI can quote and purchase your items. We are a distributor for many manufacturers and sell items at their list prices.



Micrometer repair

## CMM & OPTIC CALIBRATION



Optical comparator calibration

### Calibrating Equipment for Precision Measurement

Quality workmanship can only be assured when equipment used during the inspection of manufactured parts measures precisely. With periodic preventive maintenance and calibration, you can have confidence in the accuracy of your optical comparators, microscopes and coordinate measuring machines (CMM). Our field technicians provide a thorough cleaning of the machine's parts and calibration of performance characteristics. Our CMM calibration procedures are in accordance with ASME B89.4.1B-2001 and ISO-10360.



E-mail, call or visit our website for more information on field services, accreditation or pricing.

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