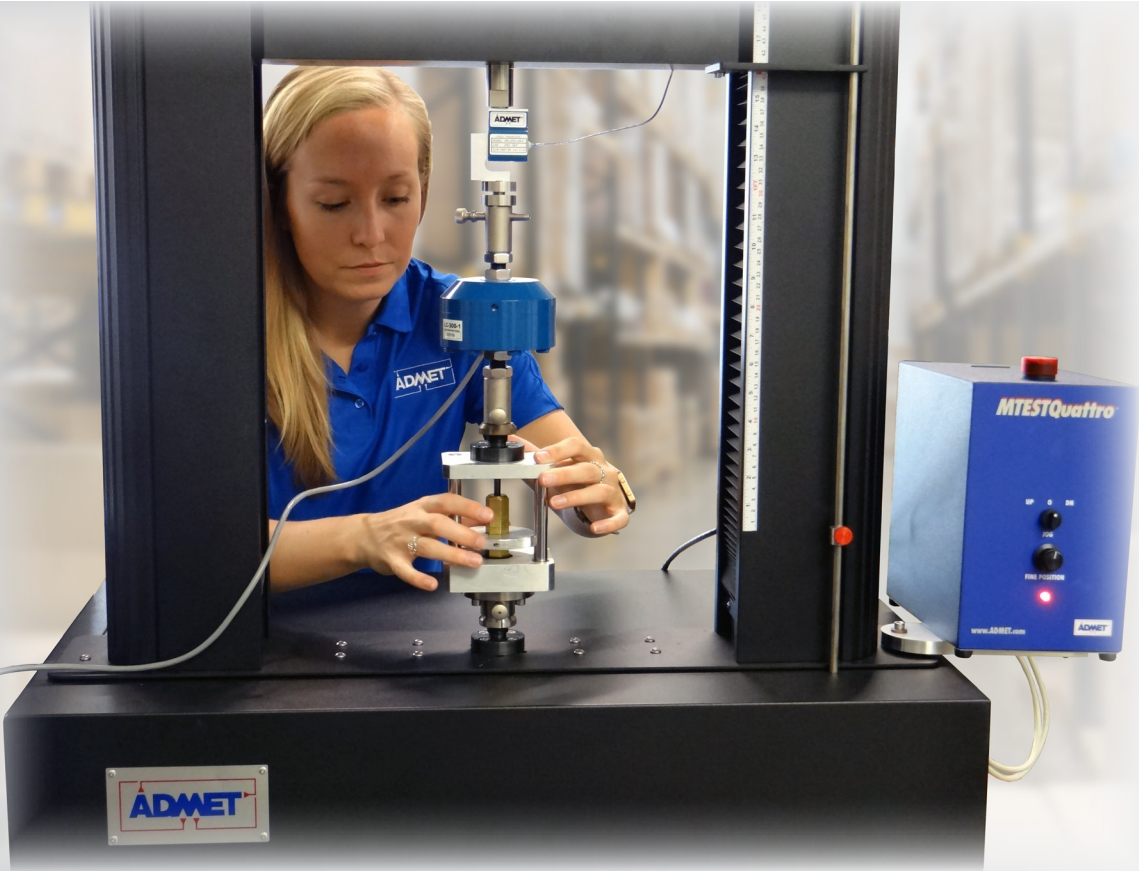


Calibration, Training, and Validation Services

ADMET



Calibration Services

ADMET offers calibration services to customers who operate both ADMET equipment and systems made by other manufacturers. We serve all major global markets and offer a wide range of fatigue options.

Calibration Overview

Over time, the accuracy of all electronic components like load and displacement transducers can change due to age or misuse. Although ADMET utilizes the highest quality equipment available, regular calibration ensures that these components perform as required so the results generated can be trusted with confidence.

Organizations like ASTM and ISO create standards and procedures which dictate how the calibration for a specific piece of equipment should be performed. In order to provide a traceable calibration, calibrators must first be ISO/IEC 17025 accredited. ISO/IEC 17025 accreditation specifies the general requirements for competency to carry out tests and/or calibrations and confirms the traceability of equipment back to the relevant governing authorities.



Key benefits of calibration:

- Confirms measurement accuracy
- Traceability to international and government standards
- Meets quality requirements as set by regulated industries
- Credibility across international boundaries

ADMET Calibration Scope

Below is a partial list of internationally recognized procedures ADMET follows to calibrate testing equipment. If you don't see what you need on this list, please contact ADMET to discuss your needs.

ASTM E4 - Tension Force Calibration

ASTM E4 - Compression Force Calibration

ASTM E2624 - Torque Calibration

ASTM E2309 - Crosshead Displacement Calibration

ASTM E2658 - Crosshead Speed Calibration

ASTM E1012 - Specimen Alignment Verification

ASTM E2309/E2658 - Strain Rate Calibration

ASTM E2309/E4 - Load Rate Calibration

ASTM E83/ISO 9513 - Extensometer Calibration

ASTM E467/NASM 1312 - Dynamic Force Calibration

Supported Brands

We calibrate systems made by a range of manufacturers including ADMET, MTS, Shimadzu, Tinius Olsen, retrofitted Instron®, and SATEC®.

Complete a Calibration Request form at admet.com/calibration.

1-800-667-3220

IQ/OQ Validation/Documentation and Software Validation Services

This additional site service requires that the customer be present during the entire installation and start-up process at their facility. Documentation will be supplied for verification of Installation and Operational Qualifications. The documentation is for the customer and ADMET to use during the installation and training process and beyond to ensure that the equipment meets specifications.

During the IQ/OQ validation process, a software validation will be performed to show the customer how and where calculations come from for their specific testing. In addition, various software feature requirements referenced in FDA CFR 21 Part 11 will also be reviewed, including:

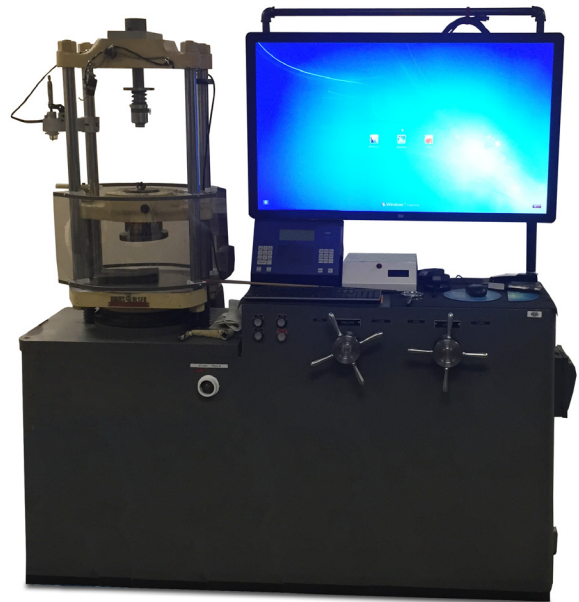
- MTESTQuattro maintenance log that records previous modifications to the software, including what was changed, when, and by whom
- MTESTQuattro message log that records system status, including start, stop, limits, e-stop, overrange, etc.
- User permissions and password protections in order to limit the modification of test procedures/reports to authorized individuals

Testing System Retrofit Service

A universal testing machine retrofit is a system upgrade in which the capabilities and functionality of an outdated or malfunctioning universal testing machine are improved by pairing them with advanced indicators/controllers and replacement components. The make or model of the testing machine; whether made in the United States or abroad, designed for static or fatigue testing, or powered by an electric servo motor or hydraulic power unit; will not affect the retrofit process in any consequential way.

By pairing an older system with an ADMET controller or indicator, the functionality of your test system is transformed. Our advanced PC-based MTESTQuattro® software incorporates a wide array of reporting, data acquisition, analysis, and control capabilities. Alternatively, ADMET offers the eP2 and DC1x Digital Controllers, standalone touch panel units, for quality and process control measurements.

ADMET has the experience and know-how to retrofit machines of all makes and models. We have the ability to upgrade manually operated machines to full servo control. Our engineers can also install a new motor/drive on electro-mechanical machines or a pumping system on servo hydraulic machines to enable you to perform your tests with confidence.



Manually operated Tinius Olsen® Super “L”™ testing system retrofitted with a modern ADMET automatic digital controller

Training and Technical Support

We offer varying levels of training and calibration to suit each customer's needs and budgets.

ADMET's full onsite training process begins with system and materials safety awareness and continues to take users through hardware and software setup and detailed systems operations. By the end of training, users will be able to create and recall saved test methods, recall and recalculate test results, and modify testing procedures.



Online training is conducted by one of ADMET's Massachusetts-based engineers and instructs users via screen sharing and teleconferencing. Varying levels of training are available and can be purchased in hourly blocks.

All ADMET systems come with free lifetime technical and application support.

Maintenance Service

ADMET offers testing system maintenance services to ensure years of trouble free operation, maximizing your investment. A qualified ADMET technician will perform maintenance on the system including inspection of all critical components and lubrication where required, troubleshooting of any potential issues, and software updates. Additionally, customers of ADMET's maintenance plan may receive certain replacement parts free of charge, and many others with a discounted price.

This service is frequently combined with one of ADMET's calibration plans. Discounted multi-year bundles are available. Contact us to discuss options.

How to Contact Us

Our engineers are standing by to discuss your needs with you. Call us toll-free at (800) 667-3220 or visit us at admet.com.

About ADMET

Founded in 1989, ADMET has established itself as a worldwide leader in innovative materials testing solutions. In addition to calibration and training services, ADMET offers a full line of universal testing machines in both standard and specialized configurations.



An ADMET engineer performs a diagnostic check on an older universal testing machine