



Morehouse
THE FORCE IN CALIBRATION SINCE 1925

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Products and Services for Making Superior Force and Torque Measurements



Making The World A Safer Place Together



www.mhforce.com Together



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Load Cells

Reduce Annual Calibration Costs by Doing More with Less

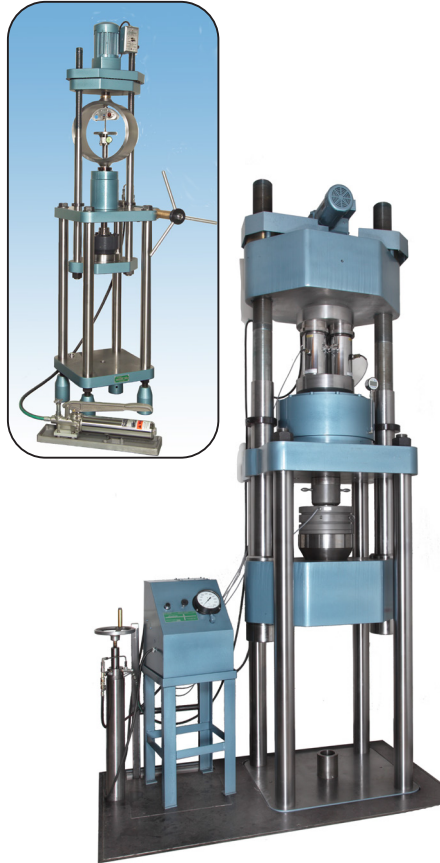


Morehouse is a recognised authority when it comes to load cells. We offer different types of increasing capacity and increasing accuracy load cells. From Ultra-Precision Shear Web to button load cells we have the right tools for your application.

- Metrology and Field Kits
- Up to 27,000 kN (6,000,000 lbf)
- Lightweight systems for your travel needs
- 0.005 % Accuracy on Ultra-Precision load cells
- Common capacities are in stock

Universal Calibrating Machines (UCM)

Hydraulic Force Calibration Systems that Last for Generations



Morehouse's Universal Calibrating Machines are considered the gold standard in calibration machines. We can calibrate the machines' reference standard to the highest accuracies available in commercial industry.

- Tension / Compression
- Capacities from 0.5 kN to 14 MN (100 to 3,000,000 lbf)
- Precision alignment
- Fine and coarse adjustment
- Easy-to-use
- Low maintenance
- Custom designs available

Rapid Change Tension Members & Clevis Sets

Versatile, Patented Adapter System that Saves Time and Money



Morehouse has created multiple adapters, adapter sets, and accessories to meet specific customer application requirements. They are designed to provide proper loading and alignment to ensure the highest possible measurement accuracy.

- No need to change Tension Members
- Automatic alignment
- ISO 376 compliant
- Large variety with different capacities
- Fit for crane scales

Indicators

Various Models for Different Applications and Accuracies



At Morehouse we know that having superior accuracy load cells does not matter unless you can precisely read the load cell output. We have a range of indication solutions to match your accessibility and readability requirements.

- 4215: Highly accurate, dual channel
- HADI: Accurate, computer power with USB
- PSD: Handheld, battery operated
- DSC-USB: Analog to digital with DC excitation

Deadweight Calibrators

The Most Accurate Force Calibration System

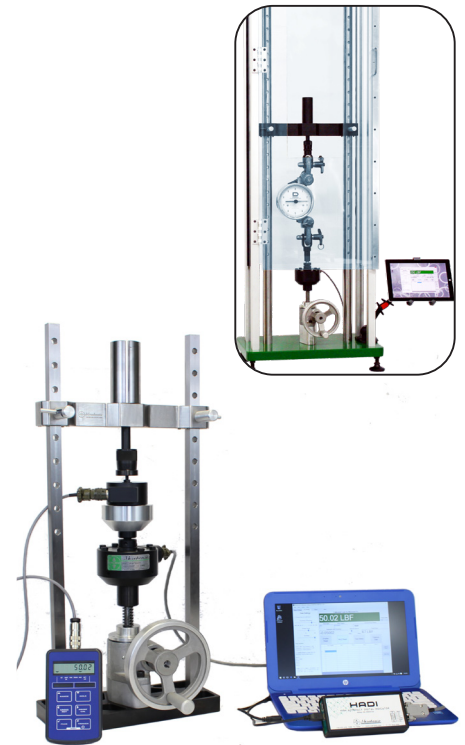


Morehouse Deadweight Calibrators provide the most accurate force calibration standards available and include a set of calibrated weights at different sizes. All machines make full use of the accuracy of deadweights and are built using true primary standards.

- Calibration uncertainty as low as 0.0016 % of applied force
- Tension / Compression calibration
- Capacities from 0.5 kN to 600 kN (100 to 120,000 lbf)
- Custom designs available

Mechanical Force Calibrators

A Better Way to Calibrate Hand-Held Force Gauges, Load Cells, and More...



Morehouse's simple, low maintenance calibrators allow for a quick change of calibration setups to save on calibration time. These machines eliminate the need for carrying and stacking hand weights. Instead, a mechanical jack generates forces, making them an attractive, versatile, and economic solution.

- Eliminates the need to stack weights
- Portable designs
- Capacities up to 50 kN (10,000 lbf)
- 1.5 m (5 ft) Plus Tensiometer version available

Why Morehouse?

Over our 100+ year history we've built a reputation and earned trust by helping companies improve their force and torque measurements. Problems related to bad measurement practices often result in critical failures. Proper calibration and best practices result in less product or process failures. Morehouse works carefully to determine every customer's calibration needs, both in our calibration service labs and with each product sold.



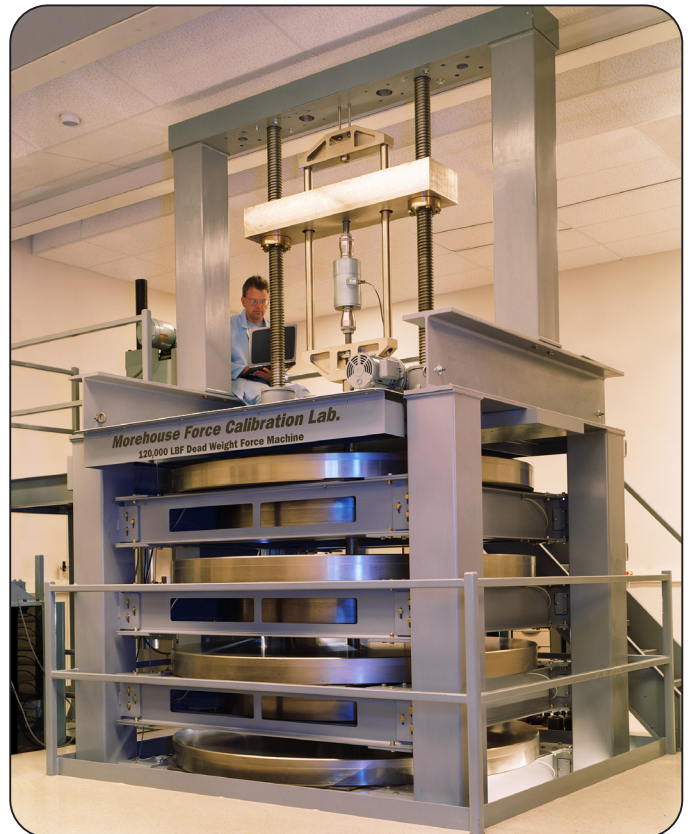
Calibration Services

We can calibrate load cells (regular and multi-axis), proving rings, force gauges, dynamometers, crane scales, aircraft scales, and other measuring instruments.

- Primary Standards laboratory, directly traceable to SI through NIST.
- Featuring the second most accurate torque machine in the world, second only to National Physics Laboratory.
- Accredited force calibration services through 10,000 kN (2,250,000 lbf) in compression and 5,000 kN (1,125,000 lbf) in tension.
- Deadweight calibration up to 600kN (120,000 lbf), accurate to 0.0016 % of applied force.

We Inspire Confidence and Results

- Initial inspection of all instrument components to ensure reliable performance
- Utilization of best calibration practices, including simulation of customer's loading conditions during calibration
- Capability to calibrate a wide range of equipment and indicators in accordance with ASTM E74, ISO 376, ASTM E2428, and other standards
- Knowledgeable technical team, who ensure quality service
- Second lowest torque uncertainty in the world from 1N-m to 2 kN-m
- ISO/IEC 17025 accreditation by A2LA for force and torque calibration services
- Audits performed by Nuclear Procurement Issues Committee (NUPIC) for compliance with 10 CFR 50 Appendix B, and 10 CFR Part 21



For more information on calibration, products, or training courses, contact us. We are a customer-oriented company, where a live person answers the phone.