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ISO/IEC 17025 / ANSI/NCSLI Z540.3 Accredited

Product Guide

Benchtop Calibrating Machine

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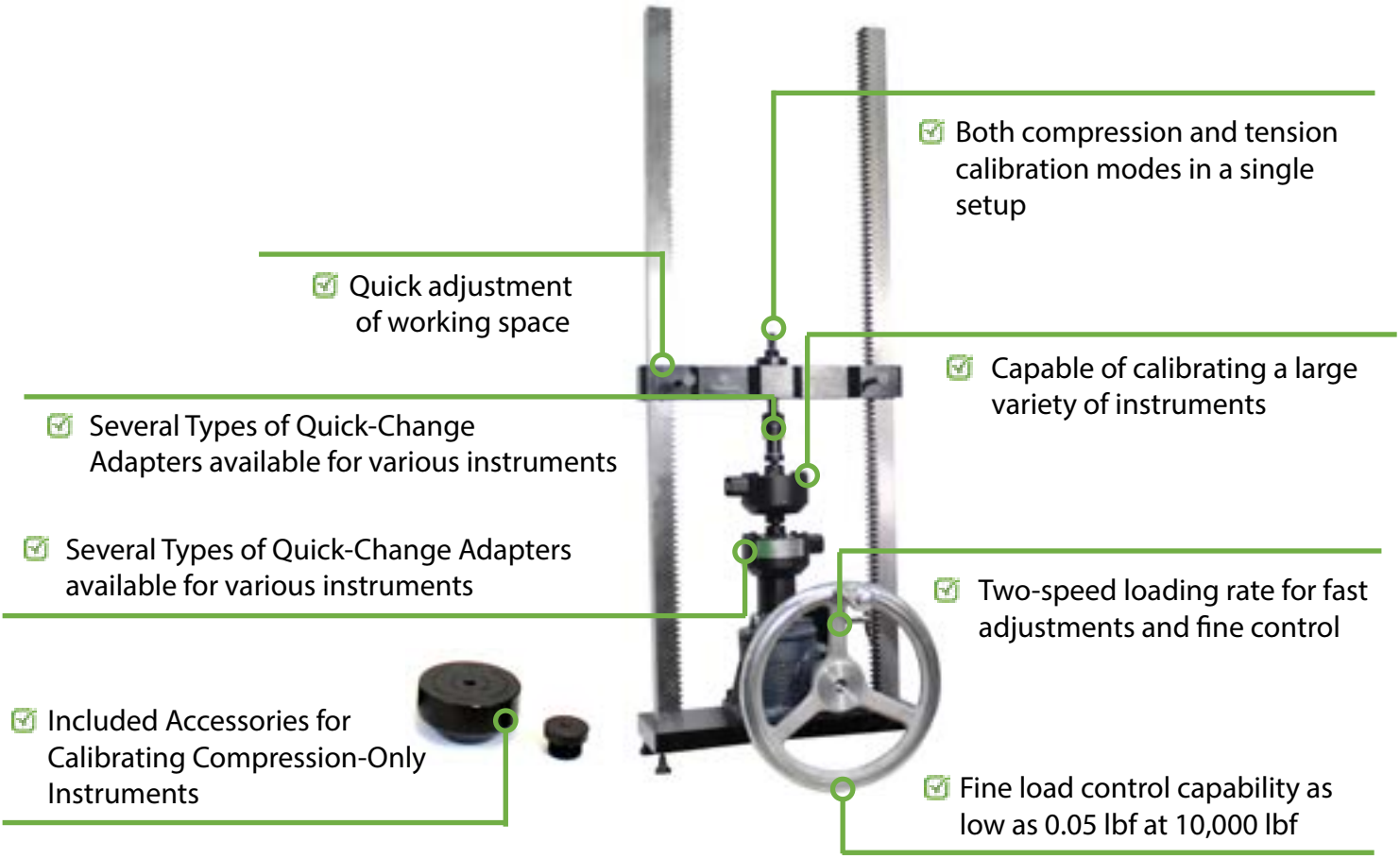

Standard Features

- Benchtop Calibrating Machine, Model BCM-10MD-1, weighs less than 150 lbs, with a footprint of 17.4 x 16.1 inches
- Capable of calibrating a variety of equipment such as load cells, crane scales, dynamometers, tension links, ring force gauges, hand-held digital force gauges, etc.[1]
- Included bearing block and ball seat for calibrating compression-only load cells
- Two-speed mechanical jack with minimal maintenance required, and capable of coarse and fine adjustments controlling force at a very fine level depending on the reference standard (control load to as low as ±0.05 lbf with a 10,000 lbf reference standard)
- Included swiveling coupling nut for easy and fast setup, compatible with Morehouse Quick-Change Tension adapters at different sizes for calibrating various instruments
- Morehouse Shear Web Load Cells available as reference standard from 200 lbf to 10000 lbf
- Robust design, easy operation, and smooth force control even at maximum capacity

[1] Special adapters might be required to calibrate certain instruments in the Benchtop Calibrating Machine.

Benchtop Calibrating Machine; 10,000 lbf		
Calibration Capabilities		
Loading Capacity	10,000 lbf	50kN
Quick Adjustment Increments	0.393 in	10mm
Maximum Stroke	2.5 in	63.5mm
Weight with reference standard	150 lb	68 kg
Mounting Thread in Standard Reference	0.625"-18, UNF-2B	0.625"-18, UNF-2B
Standard Handwheel Diameter	10 in	254mm
Dimensions		
Overall Dimensions w/o Handwheel (WxDxL)	17.4 x 16.1 x 47.2 in	442 x 409 x 1199mm
UUT Working Area (WxL)	12 x 20.75 in	305 x 527mm
Calibration Capabilities		
Reference Standards Available	200 to 10,000 lbf	0.9 to 50kN
Control Resolution[1]	±0.001 % of Ref Standard Capacity	±0.001 % of Ref Standard Capacity
Loading Mode	Compression and Tension	Compression and Tension
Loading Direction	Ascending and Descending	Ascending and Descending

[1] Example: If the calibrating machine is equipped with a 10,000 lbf Morehouse Ultra-Precision standard reference load cell with 4.0 mV/V rated output, the control capability of the machine would be ±0.05 lbf or ± 0.00004 mV/V.