



HCM-2500 Series

- Perfect machine for labs, contractors and even mobile labs
- Accuracy of $\pm 0.5\%$ of indicated load from 2,500–250,000 lbs. (11–1,112 kN)
- Choice of 3 digital load-indicating systems
- Quiet-running, continuous-duty hydraulic pump
- Supplied with platen set for 6" (150 mm) cylinders using unbonded or sulfur-capping method

The CM-2500 has all the features you look for in a basic compression testing machine: accuracy, compactness, portability, versatility, and dependability.

The load frame features a wrap-around box construction with each corner fully welded on both the inside and outside crosshead seams, providing the rugged stability needed for accurate and repeatable test results year after year. The load frame is also protected with a unique baked-on, powder-coated painting process for a durable, long-lasting finish that keeps it looking good for years to come. The machine's eye-level digital indicator, loading-control valve, and hydraulic pump are positioned on the right side of the load frame for easy access, increasing productivity, and safer operation. Featuring superior rate-of-load control, its unique quiet-running, continuous-duty hydraulic pump and pressure-compensated loading-control valve are manufactured to ISO 9001 international quality standards. Exceeds ASTM C39, E4 and AASHTO T22 specifications.

Optional .75 hp motor available. Order optional stand HCM-0200, if desired. See page 101 for list of accessories available.

Maximum Compression Capacity	250,000 lbs (1,112kN)
Vertical Opening	19.375 in. (492mm)
Horizontal Opening	9.25 in. (235mm)
Piston Stroke	2.5 in (63.5mm)
Dimensions w/ Opt. Stand (W x D x H)	27 x 17 x 56.312 in. (686 x 432 x 1430mm)
Lower Platen Diameter	33.2 sq in. (214 sq mm)
Upper Platen Diameter	6.5 in. (165mm)
Pump	.5 hp (.4kw)
Oil Reserve Capacity	2 gallon (7.6 liter)
Electrical Configuration	110V 60Hz 220V 60Hz 220V 50Hz
Shipping Weight	780 lbs (353kg)

HCM-3000 Series

- Accuracy and testing range of $\pm 0.5\%$ of indicated load from 1% to full machine capacity
- Quiet-running, continuous-duty hydraulic pumps
- Rigid load frames exceed ACI 363 frame-elongation requirements
- Choice of 3 digital load-indicating systems

The CM-3000 features thicker crossheads and a wrap-around frame design. The result is a solid one-piece load frame that provides the stability needed for repeatable and accurate test results year after year, even when testing high-strength concrete.

For easier loading of test specimens, the frame has a wide horizontal opening and a large lower compression platen. The platens are through-hardened to 55 HRC or greater, ground plane, plated for corrosion resistance, and have concentric circles for easier centering of specimens.

Bottom-mounted piston is larger in diameter than those of competitive models and is protected by a steel dust shield that keeps its hydraulic system cleaner. Test platens and spacers are mounted to the top crosshead for easier changing, and the machine's quiet-running hydraulic pump is rated for continuous duty, with all its components and those of the loading-control valve manufactured to ISO 9001 international quality standards. The control valve is pressure-compensated for a smooth and constant rate of loading, meeting the test specification requirements for a range of specimens.

Optional .75 hp motor available. Order optional stand HCM-0300, if desired. See page 101 for list of accessories available.

Maximum Compression Capacity	300,000 lbs (1,334kN)
Vertical Opening	18.5 in. (470mm)
Horizontal Opening	9.5 in. (241mm)
Piston Stroke	3 in (76mm)
Dimensions w/ Opt. Stand (W x D x H)	31.5 x 17 x 58.8 in. (800 x 432 x 1486mm)
Lower Platen	9 x 12 in. (229 x 305mm)
Upper Platen Diameter	6.5 in. (165mm)
Pump	.5 hp (.4kw)
Oil Reserve Capacity	2 gallon (7.6 liter)
Electrical Configuration	110V 60Hz 220V 60Hz 220V 50Hz
Shipping Weight	975 lbs (442kg)