

CTE MODEL 5000 PRESS COMPRESSIVE STRENGTH TESTER



COMPRESSIVE STRENGTH TESTER

The CTE Model 5000 Compressive Strength Tester is a hydraulic press using a state-of-the-art variable drive technology hydraulic control. The Model 5000 Press is used to test the compressive strength of standard-sized two-inch (50mm) cement cubes in strict compliance with current API/ISO standards specified in API Spec 10A and ISO 10426.

The Model 5000 has a frame manufactured from solid steel into a one-piece, welded unit that exceeds industry recommendations for rigidity. The unit consists of a steel load frame assembly, computerized control with an integrated touchscreen, and a highly accurate, highly reliable hydraulic power system. The energy-efficient hydraulic system eliminates excessive oil flow, reducing heat and greatly extending hydraulic system life. The unit can be easily mounted to the floor with an included stand and does not need any additional accessories or cabinetry. It includes a Lexan fragment guard door for enhanced safety.

The CTE Model 5000 Compressive Strength Tester features an automatic control system that carefully controls the test protocol and state-of-the-art data acquisition that gathers and stores data. The operator interface is via a hardened touchscreen that displays configurable test setup and test results data – including live graphing.

WARRANTY

All CTE products are covered by a 24-month warranty on all frame components and 12-month warranty on electronics and hydraulics against defects in materials and workmanship. A sales terms, conditions, and warranty statement is included with each quotation or confirmation of order.

FEATURES

- Easy Automatic Testing: Push one button and the machine performs the complete test, including piston retract.
- Automatic preloading and rate adjustments create consistent, repeatable tests that meet project specs.
- Run tests according to predefined testing protocols
- Busy machine operators can save time and run tests on autopilot without impacting results.
- Touch screen display
- An energy-efficient hydraulic system eliminates excess oil flow, so machines run cooler and last longer.
- Store test results in machine storage, print reports, or transfer results to USB flash drive
- Internet connection for remote assistance
- Provides simultaneous display of force, stress, and rate of load and displays a real-time graph of Load vs. Time, or Stress vs. Strain.
- Maximum Capacity Protection: A high-pressure safety relief valve protects the hydraulic circuit and load frame from exceeding maximum capacity.
- Overextension Protection: A piston over-extension limit switch system protects against piston extension beyond maximum travel.
- Multi-language settings configuration

SPECIFICATIONS

Voltage	110/220VAC Single Phase
Load Capacity Range	600lb – 60,000 lb
Vertical Opening	19.375"
Horizontal Opening	9.25"
Ram Diameter	6"
Piston Stroke	2.5"
Platen Hardness	60 HRC
Lower Platen Dimension	6.5" Diameter
Upper Platen Dimension	6.5" Diameter
Oil Reservoir Capacity	2 Gallons
Overall Width	30"
Overall Depth	17"
Overall Height	58"
Unit Weight	570 lb

