



CONTROLS GROUP



THE CIVIL ENGINEERING TESTING PARTNER

Concrete Testing Product Overview

The global leader in Construction Testing Solutions.

The most extensive range of systems, loading frames and accessories for testing concrete, cement and mortar are expertly designed and manufactured to satisfy the most important ASTM & AASHTO standards. Our commitment to high precision and continuous improvement delivers technologies that make a substantial contribution to the civil engineering industry and help deliver top quality construction materials.



Ordering Information

Please refer to CONTROLS Group's catalog or www.controls-usa.com for comprehensive information about all our Concrete testing systems and products.



Automatic Compression Machines

CONTROLS offers the widest range of fully automatic concrete compression machines on the market, from 250,000 lbf to 1,000,000 lbf capacity. The global leader in the development and manufacture of testing equipment for concrete, mortar and cements, all our models integrate automatic controllers that deliver the highest levels of accuracy and repeatability, eliminating operator errors and facilitating the management of results.

We offer standard models for cylinder testing with Pilot or Wizard Auto controllers at a price-performance ratio unmatched in the market. The top of the range AUTOMAX PRO — a compact computerized automatic system with an integrated tablet-like 7" colour touch screen — delivers advanced control and smart results management features. All our models perform block testing with maximum versatility and normative compliance.

SmartLine Controllers and Power Units

Upgrade to fully automatic control of your cylinder testing with our range of standalone automatic controllers & power units. They can be used with all CONTROLS Group's testing machines and can be retrofitted to most conventional testing machines.

Automax Multitest

This is the most affordable and versatile advanced automatic controller for compression, Modulus of Elasticity, tension and displacement-controlled testing.



Modulus of Elasticity kits

ASTM C469 testing and reporting made easy with our Modulus of Elasticity controlling software and test accessories.

Flexural and transverse testing frames

Flexural frames with different configurations and capacities for every sample type.



Splitting test device

Steel jig inserted between loading platens for splitting test for 4 inch and 6 inch cylinders.



Compression device

Easy to use compression device to test 2 inch cubes to ASTM C109.



Programmable accelerated curing tanks

Test to ASTM C684 with our specially designed programmable stainless steel accelerated curing tanks.



Pan type concrete mixers

Pan type mixers with a variety of capacities for the uniform laboratory preparation of trial mixes.



SCC tests

Workability testing equipment for self-compacting concrete.



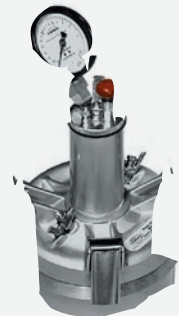
Workability / Slump cone test sets

Easily transportable workability set for fresh concrete. Full set or individual components available.



Air-meters

Pressure gage type air meters to calculate % of air entrained in fresh concrete mixes.



Concrete molds

Steel and plastic cylinder molds of different diameters. Single-use, multi-use and long lasting steel available.



Capping systems

Cylinder capping equipment. Convenient neoprene pads and steel retainers or sulfur capping kits.



Water permeability

Unique 3 or 6 place system to determine the depth of water permeability of hardened concrete.



Rebound hammers

Simple to use, cost effective rebound hammer to evaluate the in-situ strength of hardened concrete elements.



Ultrasonic pulse velocity tester

UPV tester for quality control and assessment of the integrity of hardened concrete structures.



Unit weight buckets

Standardized unit weight measure for use with aggregate or fresh concrete density testing.



Specific gravity frame

Simple, robust frame with underweigh water tank to determine density of aggregate or hardened concrete samples.



LA Abrasión

Test aggregates for resistance to abrasion with the LA Abrasion machine.

Sound proof cabinet available.



Concrete mortar penetrometers

Concrete penetrometer with complete set of needle points in wooden carrying case.



Automatic setting time

Easy to use, fully automatic vicat apparatus with reporting software for data processing.



Cement autoclave

High pressure autoclave to hold up to 10 test specimens.

