

Product Overview

50 years of Technical Leadership

Established in 1968, CONTROLS develops and supplies a complete range of testing solutions for cement, concrete, mortar and steel reinforcing bars for structural applications.

Our systems are expertly designed and manufactured to meet the needs of every laboratory and satisfy the most important national and international Standards including EN, ASTM and AASHTO.

Ordering Information

Please refer to CONTROLS' catalog or www.controls-group.com for a 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 3,500 lbf to 1,000,000 lbf or 15kN to 5,000kN capacity. 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 cubes and cylinders testing with Pilot PRO 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 a fully automatic control of your cubes and cylinders testing with our range of standalone automatic controllers and power units. Our SmartLine controllers and power units can retrofit every CONTROLS testing machines as well as many other conventional brands of compression testers.



AUTOMAX ULTIMATE

The AUTOMAX Ultimate offers the highest level of accuracy and top-in-class design for performing a wide range of tests from basic failure tests to advanced test as for Fiber Reinforced Concrete characterization.



Modulus of Elasticity Kits

ASTM or EN 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.



Concrete Sample Preparation

Various molds for cube and cylinder sample preparation, with dedicated equipment to grind and polish surfaces according to national and international standards.



Compression Device

Easy to use compression device to test 2 inch cubes to ASTM C109 and flexure or compression device to test prism to EN 196-1.



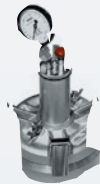
Pan Type Concrete Mixers

Forced mixers with a variety of capacity for preparing concrete specimens and samples in the laboratory and on-site.



Air-meters

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



Workability / Slump Cone Test Sets

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



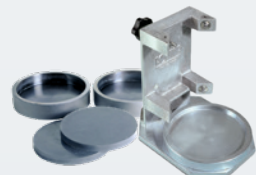
Consistency and Compaction of Fresh Concrete

Equipment ideal for compacting low workable and zero slump concrete (for such products as hollow-core slabs, tubes and paving blocks).



Capping Systems

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



Concrete Molds

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



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.



Concrete Mortar Penetrometers

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



Cement Sample Characterization

Full range of testing equipment for cement sample preparation: automatic cement mixers, three-gang molds, vibrating apparatus, several testing machines to evaluate strength.



Non-Destructive Concrete Testing

Ultra-compact and portable apparatus to evaluate bond strength of two concrete layers / mortar or adhesive strength of surface coatings on its supports.



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.



CONTROLS

Italy (HEAD OFFICE)
t +39 02 92184 1
f +39 02 92103 333
e sales@controls-group.com
www.controls-group.com

France
info-fr@controls-group.com

Mexico
info-mx@controls-group.com

Poland
info-pl@controls-group.com

UK
info-uk@controls-group.com

USA
info-usa@controls-group.com