A wide range of solutions for concrete testing

Matest is an Italian company founded in 1986 by the same family that still runs and manages it today. Thanks to its strong capital, the company is a pioneer in technological innovation and continuous expansion. With an ever-expanding range of products, Matest is undoubtedly the world's leading manufacturer in the construction test equipment industry.

Advanced applications for FRC and Elastic Modulus

C104-03N

SERVO RESEARCH

HIGH PERFORMANCE SERVO-PLUS SERVO-STRAIN

STANDARDS: EN 14488-3, 14488-5, 14651
ASTM C1609, 1018, C1550 | UNI 11039-2

The most advanced control unit. Built on Cyber-Plus Progress and a specialized hydraulic system, it excels in high-performance testing, particularly on fibre-reinfroced concrete.

C104-03N

C125M

C125M

ELASTIC MODULUS ON CONCRETE

AUTOMATIC WITH PACE RATE CONTROL ALSO WHEN RELEASING THE LOAD

STANDARDS: EN 12390-13, EN 13412 | ASTM C469 | ISO 1920-10 | BS 1881:121

Paired with a fully automatic Servo-Plus Progress compression frame and its suitable extensometers, it allows the Young Modulus determination.

A complete range of compression testing machines

C082

2000 KN | 450’000 LB

HIGH STIFFNESS

STANDARDS: ASTM C39 | AASHTO T22

Fully automatic concrete compression machine for testing cylinders Ø 100x200 mm / 4’’x8’’ and Ø 150x300 mm / 6’’x12’’.

C082

C089-10N

C089-10N

3000 KN

HIGH STABILITY

STANDARDS: EN 12390-4 | BS 1881:115 | DIN 51220 | ASTM C39 | NF P18-411 | AASHTO T22 | GOST 10180

Fully automatic concrete compression machine, tested for high-stability, for cubes up to 200 mm side and cylinders up to Ø 160x320 mm.

C089-19N

C089-19N

2000 KN FOR BLOCKS

HIGH STABILITY

STANDARDS: EN 12390-4, 772-1 | BS 1881:115, 6073 | DIN 51220 | ASTM C39, C140, C1314 | NF P18-411 | AASHTO T22 | GOST 10180

Fully automatic concrete compression machine, tested for high-stability, designed for blocks up to 500x300 mm, but also for cubes max. 200 mm and cylinders up to Ø 160x320 mm.

C088-01N

C088-01N

5000 KN

HIGH STABILITY

STANDARDS: EN 12390-4 | BS 1881:115 | DIN 51220 | NF P18-411 | GOST 10180

Oversized isostatic high stability stiffness frame for central research laboratories to test high strenght specimens, explosive samples rock and ceramic.

A complete range of flexural testing frames

C096N

360 KN
HIGH STIFFNESS

STANDARDS: EN 12390-5, 12390-6, 14488-5, 1338, 1339, 1340, 196 | ASTM C78, C293, C1550, C496, C349 | UNI 9730-3

Designed to perform a wide range of flexural/compression tests, especially suitable for beam deflection and toughness of FRC/Shotcrete and CMOD-CTOD.

C096N

C095N

320 KN
C-SHAPED OPEN FRAME

STANDARDS: EN 12390-5, 12390-6, 14488-5, 1338, 1339, 1340, 196 | ASTM C78, C293, C1550, C496, C349 | UNI 9730-3

Fully automatic flexural multipurpose testing machine. The C-shaped open frame allows easy and fast positioning of the specimen between rollers.

C095N

C091-03N

150 KN
OPEN-SIDED FRAME

STANDARDS: EN 12390-5 | EN 1340:4 | ASTM C78, C293 AASHTO T97 | BS 1881:118, BS 6073-1, BS 7263

Suitable for flexural tests on concrete beam specimens, flat blocks, flagstones, kerbs etc. The sturdy open-sided frame allows fast and easy postioning of the sample.

C091-03N

C090-07N

200 KN
HIGH STIFFNESS AND STABILITY

STANDARDS: EN 12390-5, 12390-6, 1338, 1339, 1340, 14488-5, 196, 15037-2 | BS 1881:118 | ASTM C78, C293, C496, C349 | AASHTO T97 | UNI 9730-3

Designed for flexural tests on concrete beams with dimensions up to 200x200x800 mm and any type of material having max. width 600 mm and max. height 200 mm.

C090-07N

The widest range of concrete testing equipment

C196M

C196M

AIR ENTRAINMENT METER
8 LITRES CAPACITY

STANDARDS: EN 12350-7 | ASTM C231 TYPE B

For determining the percentage of air contained in a fresh concrete mixture, in accordance with a pressure-equalization process.

C158

C158

GYROMEC
GYRATORY COMPACTOR FOR NO-SLUMP CONCRETE

STANDARD: NT BUILD 427

Gyromec is able to simulate and reproduce the kneading and compaction action of concrete mixes in precast production lines, according to the relevant standard.

C138M

UNIVERSAL DIGITAL TESTER WITH MICROPROCESSOR FOR LOAD CELLS

C138M

C386M

DIGITAL CONCRETE TEST HAMMER WITH MICROPROCESSOR

C386M

MATEST S.p.A.
www.matest.com