

Compression Machines

TC-2000

Automatic Compression Testing Machine 2000 kN

Compression & flexural testing

IS 516 IS 14858

Servo-controlled 2000 kN compression machine with automatic pace rate, 7-inch touch screen, software, Wi-Fi and a 100 kN flexural attachment.

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Description

A fully automatic, servo-controlled compression machine for concrete cubes and other specimens, rated to 2000 kN with a least count of 0.01 kN. It controls the loading rate itself, anywhere from 1 to 15 kN per second.

You run it from a 7-inch touch screen or from the computer software, and it connects over Wi-Fi. It draws a live load-versus-time graph, stores up to 2000 test logs to USB and is password protected. A German-made 600 bar pressure sensor reads the load. It has 10-point calibration and overload protection, and runs at under 65 dB.

The test space is 400 mm high and 250 mm wide. The flexural attachment takes up to 100 kN, reads to 0.1 kN and has a 25 mm LVDT for modulus of elasticity (MOE) tests.

Supplied ready for use with operating manual and test certificate. Contact us for configuration options, accessories and calibration services.

Technical specifications

Capacity	0–2000 kN
Least count	0.01 kN
Pace rate	1–15 kN/s, automatic
Display	7" touch screen
Vertical clearance	400 mm
Horizontal clearance	250 mm
Data storage	Up to 2000 logs, USB
Control	AC motor, servo
Pressure sensor	German make, 600 bar
Software & Wi-Fi	Yes
Noise	< 65 dB

Calibration	10 points
Overload protection	Yes
Flexural attachment	0–100 kN, 0.1 kN least count
MOE	25 mm LVDT