



CONCRETE

Full Automatic Concrete Compression Machine EN-ASTM

PRODUCT CODE

NT-C7220 2000 kN capacity automatic compression machine EN 12390-4

NT-C7230 3000 kN capacity automatic compression machine EN 12390-4

NT-C6005 600 kN Capacity Fully Automatic Compression Machine ASTM

NT-C6015 1500 kN Capacity Fully Automatic Compression Machine ASTM

NT-C6020 2000 kN Capacity Fully Automatic Compression Machine ASTM

NT-C6030 3000 kN Capacity Fully Automatic Compression Machine ASTM



STANDARDS

EN 12390-4, EN 12390-3, ASTM C39, AASHTO T22

SPECIFICATIONS

Fully automatic concrete compression machines are high-precision, automatic, and fully compliant devices designed to test the compressive strength of cube and cylinder samples.

Compression machines can be controlled fully automatically from the touch-screen digital unit on the press or from the computer.

Our Compression Machines have been developed specifically in accordance with **EN 12390-4, EN 12390-3, ASTM C39** standards and are ideal for both experienced and new users.

The upper ball-seat and the lower hard plate of the compression machines are 310 x 510 mm and are made of high quality steel hardened according to EN Standards (more than HRC 53) and the roughness value of the surfaces is processed and ground in accordance with the standards.

Automatic Hydraulic Power Unit consists of a double-stage pump system, pressure transducer, safety valve (to prevent overloads), digital readout and control unit, oil tank, and load cell connection jacks.

Safety features; Maximum Pressure Valves to prevent overloading, Limit Switch to limit piston travel distance, Emergency Stop Button, Software controlled maximum load limitation.



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TOUCH-SCREEN CONTROL UNIT

The 7" TFT touchscreen display allows for precise calibration at eight different load values thanks to the on-screen manual operation option (using the potentiometric speed adjustment knob). It is equipped with numerous features, including sample dimensions, test speed, channel selection, language selection (English, Turkish), test information, company logo, test results, and the ability to plot real-time "Load/Time" or "Stress/Time" graphs. Its user-friendly interface initiates the test with the start button after entering the necessary information (such as sample dimensions/test information) and automatically stops when the sample breaks.



COMPUTER SOFTWARE

The computer software allows you to enter sample, company, laboratory, and test values. Loading time charts, test reports, and sample reports can be generated. It can be launched with a single click, and the entire testing process is completed automatically.

TECHNICAL SPECIFICATIONS

Product Code	NT-C7220	NT-C7230	NT-C6005	NT-C6015	NT-C6020	NT-C6030
Capacity	2000 kN	3000 kN	600 kN	1500 kN	2000 kN	3000 kN
Upper % Lower Platen	Ø300 mm	Ø300 mm	Ø165 mm	Ø165 mm	Ø165 mm	Ø165 mm
Platen Surfaces	53 HRC	53 HRC	≥55 HRC	≥55 HRC	≥55 HRC	≥55 HRC
Cylinder Sample	Ø160x320 max.	Ø160x320 max.	Ø160x320 max.	Ø160x320 max.	Ø160x320 max.	Ø160x320 max.
Cube Samples	200 mm max.	200 mm max.	---	---	---	---
Vertical Clearance	330 mm	330 mm	370 mm	370 mm	370 mm	370 mm
Power	550 W	550 W	550 W	550 W	550 W	550 W
Operating Pressure	400 Bar	400 Bar	400 Bar	400 Bar	400 Bar	400 Bar
Dimensions (W x D x H)	535 x 815 x 1160 mm	545 x 875 x 1260 mm	645 x 465 x 925mm	770 x 460 x 1120 mm	810 x 465 x 1185 mm	865 x 510 x 1225mm
Ağırlık	870 kg.	1100 kg.	365 kg.	613 kg.	700 kg.	922 kg.