



**Automatic Flexural Testing
Machine**

CONCRETE

Automatic Flexural Testing Machine



PRODUCT MODEL

TMC-5240	200 kN Automatic Flexural Testing Machine, 220-240 V 50-60 Hz
TMC-5240/110	200 kN Automatic Flexural Testing Machine, 220-240 V 50-60 Hz
TMC-5242	300 kN Automatic Flexural Testing Machine, 220-240 V 50-60 Hz
TMC-5242/110	300 kN Automatic Flexural Testing Machine, 220-240 V 50-60 Hz
TMC-5244	600 kN Automatic Flexural Testing Machine, 220-240 V 50-60 Hz
TMC-5244/110	600 kN Automatic Flexural Testing Machine, 220-240 V 50-60 Hz

STANDARDS

TS EN 1390-5 | ASTM C78, 293 | AASHTO T97 | BS1881:118

INFORMATION

Manufacturer : TESTMAK INS.LAB.MAK.SAN.VE TİC. PAZ. İTH. İHR. LTD. STİ

Country of Origin : TURKEY

Product Name: Automatic Flexural Testing Machine

Code of Product: TMC-5240, TMC-5242, TMC-5244

HS CODE: 90248099

Automatic Flexural Testing Machine

DESCRIPTION

The Automatic Flexural Testing Machines are range of 200 kN, 300 kN and 600 kN capacity flexure testing machines have been designed for reliable and consistent testing of flexural test on standard concrete beams, concrete or natural stone kerbs, concrete paving flags, and natural stone slabs and tensile splitting test of concrete paving blocks. These flexure testing machines are the result of continuous research to upgrade the testing machines with latest technologies to conform to the latest standards EN 12390-5, EN 12390-6, EN 1338, EN 1340, BS 1881, ASTM C78, C293 and C496 in terms of its technical properties taking into account client requirements. These also meet the requirements of CE norms for health and safety of the operator.

Tests can be performed by either on TMC300 Unit or on a computer with using free software. The advantages of performing tests on computer with using software, such as reporting, graphical output, etc. Setting test parameters, including pace rate only required when the specimen type is changed. Pressing the START button on the control unit.

The machine automatically starts the rapid approach; switches the test speed after 1% of the load capacity of the machine and stops once the specimen failure. Automatically saves the test parameters and test results.

The Testmak range of Flexural Machines have the accuracy of Class 1 starting from 2% of the full capacity. Flexural test assemblies should be ordered separately.

HS Automatic Compression Testing Machines supplied complete with following accessories;

LCD Data Acquisition Control System

The Data Acquisition Control provides real-time graphical indication. Automatically determines the load rate in accordance with the international standards upon sample type. With the STOP and START buttons, the test will automatically stop or start.

LCD Data Acquisition Control System has different units are available (kN / kgf / lbf). Can do Automatic Load Rate upon Sample Type. Total load and also per area are given. and has real time graph indication. Stops Automatically, when Test is completed. Test results can be send printer to with software or from the thermal printer. Can do calibration easily from 5 points. Manual Control is available. Computer and printer are not included in the price.

Software

The tests and calibration can be done and monitored with a computer by connecting it to the machine. LCD Control unit can connecting with RS232 or USB port to the machine. Using the state-of-the-art software provided by TESTMAK with the machine will help performing and managing the tests in a very easy and fast way. By performing the tests via computer, the results can be saved and recalled when required. Reports can be generated automatically by the software and sent to printer.

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When energized to the device, on the digital indicator display will show the following information.



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TECHNICAL SPECIFICATIONS

Product Code	TMC-5240	TMC-5242	TMC-5244
Capacity	200 kN	300 kN	600 kN
Class 1 Range	4-200 kN	6-300 kN	12-600 kN
Ram Travel	100 mm	120 mm	350 mm
Max. Vertical Clearance	425 mm	425 mm	930 mm
Max. Horizontal Clearance	650 mm	640 mm	640 mm
Max. Clearance Between Lower Rollers	900 mm	900 mm	2000 mm
Piston Diameter	160 mm	160 mm	200 mm
Max. Piston Movement	75 mm	75 mm	75 mm
Max. Working Pressure	315 Bar	315 Bar	315 Bar
Oil Capacity	18 Liters	18 Liters	18 Liters
Power	1100 W	1100 W	1100 W
Dimensions	1450x950x1200 mm	1450x950x1200 mm	1550x2000x2700 mm
Weight	325 kg	630 kg	2650 kg



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