



Automatic Grinding Machine

CONCRETE

Automatic Grinding Machine



PRODUCT MODEL

- TMC-3400 Automatic Grinding Machine, 220-240 V 50/60 Hz
- TMC-3402 Grinding Wheel TMC-3400
- TMC-3403 Cradle for Ø:38-100 mm Cylindrical Specimens
- TMC-3404 Water Restraint Panel Set
- TMC-3405 Water Restraint Panel for Ø160mm Cylinder Specimen

STANDARDS

EN 12390-1, 12390-3, 12504-1 | ASTM C 31, C39, C42, C192

INFORMATION

- Manufacturer : TESTMAK INS.LAB.MAK.SAN.VE TİC. PAZ. İTH. İHR. LTD. STİ
- Country of Origin : TURKEY
- Product Name : Automatic Grinding Machine, 220-240 V 50/60 Hz
- Code of Product : TMC-3400

Automatic Grinding Machine

DESCRIPTION

The TMC-3400 Automatic Grinding Machine provides fast grinding of cylinder specimen ends to obtain plane and parallel surfaces according to EN and ASTM standards.

Three units of Ø38 to 100 mm or two units of Ø150-160 mm concrete cylinders ends can be ground simultaneously with the suitable cradle and water restraint panel. The length of the any specimen must be longer than 70 mm.

According to ASTM and EN standards, the planeness accuracy of grinded surface is 0.05 mm. and the deviation of perpendicularity of the side with reference to the end faces is 0,5°.

The equipment has selectable advance grinding time functionality by user from 50 to 400 seconds. Optimum grinding time per end of all type specimens is 90 to 120 seconds.

The cradle which specimens are fixed on has automatic bidirectional radial displacement ability. The safe and ergonomic design prevents the user to exposure to water and dust and provides easy access to the water inlet and outlet. Specimen cradles and water restraint panels can easily be installed without the need for any assembly.

Mobility of the machine is achieved with the help of the integral wheels, and all components of the system can be safely accessed for easy maintenance.

The frame is manufactured from aluminum and the stainless steel exterior shell assures resistance to corrosion. The water restraint panels should be ordered separately for cubic specimens or different sized cylindrical specimens.

The Automatic Grinding Machine is supplied complete with;

Grinding Wheel

Cradle for Ø:38mm to100 mm cylindrical specimens

Water restraint panel set

The preparation of concrete cylinder test specimen for compressive strength test	EN 12390-1, 12390-3 ASTM C31, C39, C192, C617	The maximum tolerance on the flatness of the potential load bearing surfaces (the ends of compression test specimens) is 0.002 in. [0.050 mm]
The preparation of drilled concrete cores specimen for compressive strength test	EN 12504-1, 12390-1, 12390-3, ASTM C42, C397	The deviation of perpendicularity of the side, with reference to on the end faces is 5

TECHNICAL SPECIFICATIONS

Dimensions	750x1200x1510 mm
Weight (approx)	320 kg
Power	1850 W



TM TEST MAK
MATERIAL TEST EQUIPMENTS

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