



Product Code

UTC-1060	Automatic Grinding Machine with Cabinet
UTC-1062	Grinding Wheel for UTC-1060
UTC-1064	Water Tank with Filtration and Circulation System for UTC-1060
UTC-1067	Cradle for Three Units of 100 mm Cube Specimens for UTC-1060
UTC-1069	Cradle for One Unit of 150 mm Cube Specimens for UTC-1060

Models for 220-240V 50-60 Hz, 1 ph.	UTC-1060	UTC-1064
Models for 110-120V 60 Hz, 1ph.	UTC-1060-N	UTC-1064-N

Standards

EN 12390-1, 12390-2, 12390-3, 12504-1; ASTM C 31, C39, C42, C192, C617, D4543

The UTC-1060 Automatic Grinding Machine provides fast grinding of concrete, rock, natural stone. etc. specimens to obtain plane and parallel surfaces according to EN and ASTM standards.

The Machine;

- Five units of Ø38 mm to Ø50 mm cylinders ends,
- Three units of Ø70 mm to Ø110 mm cylinders ends,
- Two units of Ø110 mm to Ø160 mm cylinders ends,
- Three units of 100 mm cubes faces,
- One unit of 150 mm cubes faces

can be ground simultaneously with the suitable cradle. The length of the any specimen must be ≥ 70 mm

According to ASTM and EN standards, the planeness accuracy of grinded surfaces of concrete compression test specimens should be 0.05 mm. and also the deviation of perpendicularity of the side with reference to the end faces should be 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 specimens fixed to the any cradle are abraded by the grinding wheel which has 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 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 parts exposed to water are made of stainless steel to resist corrosion.

UTC-1064 Filtration and Circulation System Water Tank is designed to save the amount of water used during the grinding process in the automatic grinding machine(UTC-1060). If UTC-1064 is supplied with the grinding machine, it is automatically activated when the grinding process starts and filtration and circulation begin simultaneously.

The cradle for 100mm or 150mm cube specimens should be ordered separately.



UTC-1060

The Automatic Grinding Machine is supplied complete with

- Grinding Wheel for specimens
- Cradle for Ø:38 mm to 110 mm cylindrical specimens
- Cradle for Ø:110 mm to 160 mm cylindrical specimens (connected to the machine)

The preparation of concrete cylinder test specimen for compressive strength test	EN 12390-1, 12390-3 ASTM C31, C39, C192, C-617	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 the end faces is 5°

Dimensions	800x1265x1652 mm
Weight (approx.)	350 kg
Power	1850 W