

Compaction

Jolting Table

UTCM-0090

The UCTM-0090 Jolting Table has been designed with a mould table seated on a rotating cam which is driven at 60 r.p.m. The machine is used to compact cement specimens in a 40x40x160 mm mould. The falling height is 15 mm which conforms to EN 196-1. The number of drops can be preset and the machine will automatically turn off once the preset number of drops has occurred. The weight of the moving parts is 6.85kg, however when used with the UTCM-0092 Three Gang Mould and UTCM-0093 Feed Hopper, the weight of the moving part is 20 kg ± 0.5 kg. The machine is equipped with rapid mould lock and release system which makes it easy and quick to use. The supporting frame of the machine has been designed to ensure precise dimensions, table flatness, correct centering of the three gang mould on the table. The machine can be safely used because the motor and gearbox assembly are securely enclosed in a protective housing. This allows the operator to safely use the machine because the moving parts are not accessible. The housing around securing the gearbox also allows for longevity of the gearbox. The standard model can be supplied with a safety/noise reduction cabinet. The cabinet is lined internally with soundproofing material to reduce sound level conforming to CE directives.



Vibrating Machine

UTCM-0098

The UTCM-0098 Vibrating Machine is used to prepare and compact 70.7 mm mortar cube specimens. Each sample is able to be vibrated at 12,000 cycles per minute due to the mould table being mounted on four springs which have been attached to an eccentric shaft. The operator can use the timer to preset a time, and the machine will automatically stop every 120 seconds. 70.7 mm cube mould (UTCM-0096) should be ordered separately.



Technical Specifications

UTCM-0090

Dimensions	1050x350x500 mm
Weight (approx.)	55 kg
Motor Speed	60 r.p.m
Drop Height	15 mm
Power	250 W

UTCM-0098

Dimensions	450x650x850 mm
Weight (approx.)	80 kg
Eccentric Shaft Rotation	12,000 r.p.m
Power	1100 W

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers