



AUTOMATIC SOIL COMPACTOR

Product Code

UTS-0650	Automatic Soil Compactor, BS, EN, ASTM, AASHTO
UTS-0650AS	Automatic Soil Compactor, AS
UTS-0652	ASTM / EN / BS Rammer for UTS-0650
UTS-0654	ASTM Rammer Face, Ø2" (50.8 mm) for UTS-0650
UTS-0656	EN / BS Rammer Face Ø 50 mm for UTS-0650

Models for 220-240V 50 Hz, 1 ph.	UTC-0650-T	UTC-0650AS-T
Models for 110-120V 60 Hz, 1 ph.	UTC-0650-N	
Models for 220-240V 60 Hz, 1 ph.	UTC-0650-K	

Standards

ASTM D558, D559, D560, D698, D1557, D1883; EN 13286 2, 13286-47; BS 1377:4 AASHTO T99, T134, T135, T136, T180, T193; NLT 107/98, 108/91, 111/87; AS 1289.5.1.1, 5.2.1, 6.1.1

Automatic Soil Compactor are designed to compact specimens automatically and uniformly, assuring conformity with the above listed international standards.

The principle of the design is to allow the hammer to drop the required height into the soil in the mould which rotates circularly to distribute the blows uniformly over the surface of the specimen in the mould. The drop height is adjustable to 300 mm, 12" (305 mm), 450 mm and 18" (457 mm). The rammer is circular faced and interchangeable to 50 mm or 2" (50.8 mm). diameter. Rammer weight is adjustable according to reference standard. When compacting 100 mm or 4" diameter specimens the unit operates on a single radius and when compacting 150 mm or 6" diameter specimens the unit operates on inner and outer radius to obtain even compaction.

The number of blows per layer can be set at the beginning of the compaction process by the digital counter according to the standard preferred by user. This automatic blow pattern ensures effective and equal compaction for each layer of soil by rotating the base table, so the mould, in equal steps and travelling the rammer across the mould. User defined blow number and in-out distribution is also available.

Compactor is equipped with programmable digital counter which allows the machine;

- To select reference standard (number of blows and mould size) by the operator at the beginning of the test.
- To set desired compaction cycle (number of blows and count of the number of inner and outer drops) by user.

The standard type (BS, EN, ASTM, AASHTO) mould size (4"/100 mm or 6"/150 mm) and the number of drops can be selected easily.



Start, stop, emergency stop buttons and digital counter are on control panel which is connected to the main body by anti-vibrating connections



UTS-0652 with UTS-0654



UTS-0650 Soil Compactor is supplied complete with;

- ASTM/EN/BS Rammer
- ASTM Rammer Face, Ø2" (50.8 mm).
- EN/BS Rammer Face, Ø 50 mm.

UTS-0650AS Soil Compactor is supplied complete with;

- AS Rammer

Dimensions	400x550x1470 mm
Weight (approx.)	125 kg
Power	370 W