

# Automatic Soil Compactor



**Year of Purchase:** 2013

**Cost:** 0.75 Lac

## Descriptions:

It is a motor driven mechanical compactor useful for soil compaction into 100mm or 150mm diameter moulds. Two sets of rammers are provided, one of 2.6 and arranged for 310mm. drop and other 4.9kg and arranged for 450mm fall. For compaction soil into 150mm dia. moulds, 100mm face dia. rammers having weight .6kg and 4.89 kg are used. Whereas for 100 mm dia. moulds they are of 50mm dia. The rammer assembly is provided with a ratchet and pawl arrangement to lift it from the top of the soil layer. When the rammer reaches the required height the pawl release the rammer which falls freely in soil surface. The release mechanism is operated by an arm moving up and down which is connected to a reduction gear coupled to the motor through another arm. An automatic blow counter fitted to the compactor is used to set the number of blows. The base plate of the specimen mould is to fitted to the rotating base plate of the the instrument which make 1/5 revolution per stroke.

## Specifications:

<b>Weight</b>	100 kg approx.
<b>Frequency</b>	50 Hz
<b>Power</b>	1.5 kW
<b>Voltage</b>	220 V
<b>Power Source</b>	Electric
<b>Phase</b>	Single Phase