

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS
AUTOMATIC SOIL COMPACTOR**

EQUIPMENT REQUIREMENTS:

- Must be for standard or modified compaction tests with 5.5 lb hammer with 12 inch drop height or 10 lb hammer with 18 inch drop height.
- Compactor shall accommodate 4 inch and 6 inch inside diameter molds.
- During compaction, hammers must compensate for sample drop.
- Must operate using a chain driven lift system.
- Hammer weight must be concentrated at the foot, allowing free fall of the rammer.
- Hammer changes must be made from the front of the compactor.
- A digital automatic counter to register the number of blows per compaction and be preset to stop the machine.
- A start/stop switch to control the compactor independently of the counter control.
- Compaction mold must be capable of mounting on the circular base.
- The circular base must index automatically with each blow to ensure uniform sample compaction.
- Mechanical components of the compactor must be enclosed in a cabinet and easily accessible from the front of the compactor for repairs. The cabinet door must be secured with a latch to prevent opening during use.
- The cabinet door must be designed with an electronic safety interlock that will turn off the compactor if the door is opened during use.

- Compactor shall operate on standard power utilities of 115 V, 60 Hz

Must come complete with the following:

- One (1) 10 lb pie-faced hammer
- One (1) 5.5 lb - 2 inch round hammer
- One (1) 4 inch standard compaction mold
- One (1) 6 inch standard compaction mold
- One (1) surcharge weight
- One (1) copy of the operator's manual and parts list

WARRANTY:

Must include a standard manufacturer warranty on parts and labor.

APPROVED BRANDS/MODELS:

- Gilson model HM-530 or approved equal.