



Product Overview

The Marshall Automatic Compactor is a robust and precision-engineered apparatus used for preparing bituminous specimens for the Marshall Stability and Flow test. The equipment is designed to automatically compact asphalt mixtures in standard molds using a controlled number of blows from a falling hammer.

The system features an **automatic digital counter** that allows presetting of the number of blows, after which the motor automatically stops. The machine is mounted on a **vibration-absorbing concrete base with a laminated hardwood block**, ensuring stable operation and accurate compaction results.

The rotating mold configuration ensures uniform compaction of the specimen, while the heavy-duty frame and integrated safety enclosure provide reliable and safe operation in laboratory environments.

Key Features

- Automatic compaction with preset blow count using **digital display counter**.
- **Rotating mold configuration** for uniform compaction of asphalt specimens.
- Heavy-duty construction suitable for continuous laboratory use.
- **Vibration-dampening concrete base** with laminated hardwood block.
- Precision hammer assembly for accurate and repeatable compaction.
- Automatic motor shut-off once the preset number of blows is completed.
- Safety door enclosure complying with **CE safety directives**.
- Suitable for preparing standard **4-inch Marshall specimens**.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
 India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
 Sitapura Extension, Jaipur-302022, India.



info@tesca.in
 www.tescaglobal.com



Technical Specifications

Parameter	Specification
Type	Automatic Marshall Compactor
Mold Configuration	Rotating Mold Type
Specimen Size	4 inch (Standard Marshall Specimen)
Total Hammer Assembly Weight (Rod + Foot + Sliding Mass)	7850 ± 50 g
Sliding Mass Weight	4535 ± 15 g
Free Fall Height of Hammer	457 ± 5 mm
Blow Frequency	50 blows in 55–60 seconds
Base Construction	Vibrated Concrete Base with Laminated Hardwood Block
Safety Feature	Enclosed Safety Door (CE Safety Directive Compliant)
Power Supply	230 V, 1 Phase, 50 Hz
Power Consumption	300 W
Dimensions (L × W × H)	500 × 500 × 1890 mm
Approx. Weight	220 kg

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