SOIL > MOISTURE-DENSITY RELATIONSHIP

# SOIL COMPACTOR - ASTM (Automatic)

Code : T055 (ASTM)



- The Automatic Soil Compactor is used to determine the relationship between molding water content and dry unit weight of soils, enabling accurate determination of optimum moisture content and maximum dry density.
- Capable of performing both Standard and Modified Proctor compaction tests, the unit ensures precise, uniform compaction aligned with ASTM, AASHTO, and EN testing requirements.
- The ASTM model is equipped with a programmable digital counter, which automatically stops operation upon reaching the pre-set number of blows, enhancing repeatability, operational safety, and workflow efficiency.
- The EN model features a 7" digital touch screen control unit, allowing customized programming of blows across different mould zones (outer, middle, center), offering superior accuracy and control over compaction distribution per EN and related standards.
- Compatible with both 4" (100 mm) and 6" (150 mm) diameter molds, making it suitable for a wide range of soil classifications and laboratory testing protocols.

- The rotating base ensures even distribution of compaction energy, eliminating inconsistencies and improving specimen integrity.
- Adjustable rammer weights and drop heights support compliance with multiple standards, enhancing the machine's adaptability to varied testing requirements.
- Built with premium materials and long-lasting mechanical components, the unit delivers reliable operation and reduced maintenance over extended service life.
- Noise-Reduction Cabinet and Moulds should be ordered separately

## STANDARDS

ASTM D558 • ASTM D698 • ASTM D1557 • ASTM D1883 • EN 13286-2 • EN 13286-47 • AASHTO T99 • AASHTO T180 • AASHTO T193 • BS 1377-4

## TECHNICAL SPECIFICATIONS

- Mold Compatibility: 4" (100 mm) and 6" (150 mm) diameter molds
- Power Supply: 220 - 240 V / 50 or 60 Hz

| Rammer | Parameter | ASTM | EN |
|---|---|---|---|
| Standard Rammer | Diameter | 2" (50.8 mm) | 50 mm |
| | Drop Height | 12" (304.8 mm) | 305 mm |
| | Weight | 5.5 lb (2.495 kg) | 2.50 kg |
| Modified Rammer | Circular | Ø 2" (50.8 mm) | Ø 50 mm |
| | Sector Face | Ø 2.9" (73.7 mm) | N/A |
| | Drop Height | 18" (457.2 mm) | 457 mm |
| | Weight | 10 lb (4.5364 kg) | 4.50 kg |

## EQUIPPED WITH

- Programmable Digital Counter (ASTM version)
- 7" Touch Screen Controlling Unit (EN version)
- Transparent Safety Door
- Rotating Base for Uniform Compaction

## SUPPLIED WITH

- Standard Rammer (ASTM and EN Versions)
- Modified Rammer with Circular Face (ASTM and EN Versions)
- Modified Rammer with Sector Face (Only ASTM Version)

## ORDERING INFORMATION

| Item Name | Item Code |
|---|---|
| AUTOMATIC SOIL COMPACTOR - ASTM [60 Hz] | T055A00AK |
| AUTOMATIC SOIL COMPACTOR - ASTM [50 Hz] | T055A00AT |
| AUTOMATIC SOIL COMPACTOR - EN | T055A00EU |
| NOISE-REDUCTION and SAFETY CABINET for T-055/ASTM | T055P001H |
| TURNABLE BASE with STEPPER MOTOR for T055 (ASTM Model) | T055P002H |
| RUBBER WEDGE - Complete for T055 (EN Model) | T055P003H |
| SPARE GEAR BOX for T055 (ASTM Model) | T055P004H |
| SPARE HAMMER for T055 (ASTM Model) | T055P005H |
| ELECTRONIC CONTROLLING UNIT for T055 (EN Model) | T055P006H |

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|---|---|
| SPARE HAMMER SPRING for T055 (EN Model) | T055P007H |
| TURNABLE BASE with STEPPER MOTOR for T055 (EN Model) | T055P008H |
| ELECTRONIC BOARD (PCB) for T055 - ASTM | T055P009H |
| ASTM STANDARD RAMMER for T055A00EU | T055P010H |

## OTHER PHOTOS

