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## **AUTOMATIC SOIL COMPACTOR AZA0867**

The AZA0867 Automatic Soil Compactor is a precision-engineered laboratory system designed to perform Standard Proctor and Modified Proctor Compaction Tests with high accuracy, repeatability, and minimal operator dependency. The unit mechanizes the hammer lifting and dropping cycle, ensuring consistent compaction energy in strict compliance with international standards. It is ideal for high-throughput laboratories where precision, efficiency, and repeatability are critical.



### **Main Components**

- Fully automatic compaction cycle
- Dual-mode operation (Standard & Modified Proctor)
- Precision-controlled hammer drop
- Automatic mould rotation for uniform density
- Pre-settable blow counter with auto-stop
- Heavy-duty construction for continuous use

### **Applications**

- Standard & Modified Proctor compaction testing
- Road and highway construction laboratories
- Airfield and runway projects
- Embankment and earth dam quality control
- Foundation and subgrade evaluation
- Academic and research institutions



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### Key Features

- High Reproducibility

Consistent hammer weight, drop height, and blow count

- Reduced Operator Fatigue

Eliminates manual lifting and repetitive effort

- Improved Productivity

Faster testing and higher sample throughput

- Dual Test Capability

Supports both Standard and Modified Proctor methods

- Enhanced Safety

Enclosed mechanism with emergency stop feature

- Uniform Compaction

Automatic mould rotation for even energy distribution

### Standards Compliance

- ASTM D698 – Standard Proctor Compaction Test
- ASTM D1557 – Modified Proctor Compaction Test
- IS 2720 (Part VII) – Light Compaction
- IS 2720 (Part VIII) – Heavy Compaction
- BS 1377 – Part 4 – Compaction Tests



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**TECHNICAL SPECIFICATION**

<b>Parameter</b>	<b>Specification</b>
Model	AZA0867
Apparatus Type	Automatic Soil Compactor
Test Methods	Standard Proctor & Modified Proctor
Hammer – Standard	2.5 kg, 305 mm drop
Hammer – Modified	4.54 kg, 457 mm drop
Mould Compatibility	100 mm & 150 mm diameter
Blow Counter	Automatic, pre-settable with auto-stop
Mould Rotation	Automatic incremental rotation
Drive System	Electric motor with cam/gear mechanism
Power Supply	230 V AC, 50 Hz, Single Phase
Construction	Heavy-duty steel frame
Safety Features	Guarded mechanism, emergency stop