



UNIVERSE

JOLTING APPARATUS AZA0802

The Jolting Apparatus AZA0802 is a precision laboratory instrument designed for the uniform compaction of cement mortar specimens, ensuring high accuracy and repeatability in compressive and flexural strength testing.

By delivering controlled mechanical jolts, the apparatus eliminates air voids and ensures homogeneous density within mortar prisms. It is an essential component in cement testing laboratories, quality control departments, research facilities, and academic institutions.

Key Features

- Precision cam-driven jolting mechanism
- Delivers 60 jolts per minute for standard-compliant compaction
- Integrated automatic timer (60 seconds)
- Heavy-duty mild steel frame for stability
- Safety enclosure to protect the operator
- Quick-action mould clamping system
- Compact bench-top design
- Low-maintenance enclosed drive system

Applications

- Cement manufacturing quality control laboratories
- Construction and civil engineering testing labs
- Research & development facilities
- Academic and training institutions
- Material certification and calibration labs





Working Principle

The apparatus compacts mortar specimens by applying controlled mechanical jolts, ensuring uniform density.

Procedure:

1. Place the mortar-filled prism mould on the platform.
2. Secure the mould using the clamping mechanism.
3. Start the machine using the control switch.
4. The system delivers 60 jolts in 60 seconds automatically.
5. Remove the mould after completion for curing and testing.

Standards & Compliance

- IS 10080:1982 – Method of Test for Determination of Strength of Cement Mortar
- EN 196-1 – Methods of Testing Cement
- ASTM C348 – Flexural Strength of Hydraulic Cement Mortars

Advantages

- Ensures uniform and repeatable compaction
- Eliminates air voids in mortar specimens
- Improves accuracy of strength test results
- Reduces operator dependency
- Durable and reliable for continuous use



TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA0802
Application	Mortar Prism Compaction
Jolting Rate	60 jolts/min
Timer	60-second automatic timer
Compatible Mould Size	40 × 40 × 160 mm
Motor Power	0.25 HP, 230V AC
Construction	Mild Steel, Powder Coated
Dimensions (L × W × H)	Approx. 500 × 350 × 450 mm
Weight	Approx. 35 – 40 kg
Standards Compliance	IS 10080, EN 196-1, ASTM C348

Standard Supply

- Jolting Apparatus Unit
- Mould Clamping Assembly
- Safety Guard Enclosure
- Power Cable
- User Manual