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MOTORISED SAND EQUIVALENT SHAKER AZA0861

The AZA0861 Motorised Sand Equivalent Shaker is a precision-engineered laboratory instrument designed to automate the agitation phase of the Sand Equivalent Test. It delivers controlled, uniform reciprocating motion to ensure highly repeatable and standard-compliant test results.

By eliminating inconsistencies associated with manual shaking, the unit significantly improves accuracy, operator efficiency, and overall laboratory productivity.

Advantages

- Ensures high repeatability and accuracy
- Eliminates operator-induced variability
- Reduces manual effort and fatigue
- Enhances compliance with ASTM, AASHTO, and IS standards
- Suitable for continuous laboratory use

Standards Compliance

- ASTM D2419 – Sand Equivalent Test
- AASHTO T176 – Plastic Fines in Aggregates and Soils
- IS 2720 (Part 37) – Sand Equivalent Value





Key Features & Benefits

- Automated Reciprocating Motion

Simulates precise manual shaking as per international standards

- High Stroke Accuracy

Maintains exact travel length and shaking frequency

- Adjustable Timer Control

Enables repeatable, hands-free operation

- Dual Cylinder Capability

Supports 1–2 standard sand equivalent cylinders

- Robust Construction

Heavy-duty steel frame with industrial-grade motor

- Stable Operation

Low vibration design ensures consistent performance

- Compact Footprint

Space-efficient for laboratory benches

- Plug-and-Play System

Easy installation with minimal setup

Applications

- Civil Engineering Laboratories
- Geotechnical Testing Labs
- Road & Highway Quality Control
- Ready-Mix Concrete Plants
- Asphalt Testing Facilities
- Aggregate & Quarry Labs
- Academic & Research Institutions



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TECHNICAL SPECIFICATION

Parameter	Specification
Stroke Travel (EN)	200 mm \pm 1 mm
Stroke Travel (ASTM)	203.2 mm \pm 1.02 mm
Shaking Rate (EN)	180 \pm 2 strokes/min
Shaking Rate (ASTM)	175 \pm 2 strokes/min
Cylinder Capacity	1–2 cylinders
Timer Range	45 sec to 5 min (adjustable)
Power Supply	230 V AC, 50 Hz (110 V optional)
Dimensions (W×L×H)	240 × 800 × 340 mm
Weight	Approx. 27.5 kg

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