



UNIVERSE

MORTAR MIXER AZA0804

The AZA0804 Mortar Mixer is a high-precision, laboratory-grade mixing apparatus designed for preparing cement mortar in strict compliance with standardized testing methods.

Engineered with a planetary mixing mechanism, this unit ensures homogeneous and repeatable mortar preparation, which is critical for accurate determination of compressive strength, setting time, soundness, and workability of cement.

The mixer is widely used in quality control laboratories, R&D facilities, academic institutions, and government-approved testing centers, where adherence to standardized procedures is essential.



Key Features

- Cement mortar preparation for compressive strength testing
- Setting time and soundness evaluation
- Workability and consistency studies
- Quality control in cement manufacturing
- Construction material laboratory testing
- Research and development of cementitious materials
- Mixing mortars with admixtures, pozzolans, and specialty binders
- Academic training and demonstration of standard test procedures



UNIVERSE

Standards & Compliance

- IS:4031
- IS:1727
- ASTM C305

Product Features & Benefits

- Planetary Mixing Mechanism

Ensures complete and uniform mixing with no dead zones or material segregation.

- Dual-Speed Operation

Enables staged mixing process as per standard test procedures.

- Precision Digital Timer

Guarantees repeatability by maintaining consistent mixing durations.

- Stainless Steel Bowl (5L Capacity)

Corrosion-resistant and suitable for cementitious materials.

- Removable Bowl & Mixing Blade

Facilitates easy cleaning and quick turnaround between batches.

- Robust Construction

Heavy-duty design minimizes vibration and enhances durability.

- Compact Bench-Top Design

Space-efficient while delivering industrial-grade performance.

- Standards-Compliant Operation

Fully aligned with IS and ASTM protocols for reliable results.



TECHNICAL SPECIFICATION

Parameter	Details
Model Code	AZA0804
Operation Mode	Electric, Planetary Mixing
Mixing Bowl Capacity	5 Litres (Stainless Steel)
Mixing Speed (Bowl)	140 ± 5 rpm (Slow), 285 ± 10 rpm (Fast)
Blade Rotation Speed	62 ± 5 rpm (Slow), 125 ± 10 rpm (Fast)
Timer	Digital Timer (0–30 minutes)
Material (Bowl)	Stainless Steel (Corrosion Resistant)
Standards Compliance	IS:4031, IS:1727, ASTM C305
Power Supply	230 V AC, 50 Hz
Weight	Approx. 45 – 55 kg