



UNIVERSE

FULLY AUTOMATIC MORTAR MIXER AZA0805

The AZA0805 Fully Automatic Laboratory Concrete Mixer is a heavy-duty, precision-engineered machine designed for uniform and standardized mixing of concrete for laboratory testing applications. Built for consistent, repeatable sample preparation, this mixer ensures accurate evaluation of compressive strength, flexural strength, workability, and durability properties of concrete. Its robust construction, controlled mixing mechanism, and stainless steel drum make it ideal for both routine QA/QC testing and advanced research applications.

The AZA0805 is widely deployed in construction material testing laboratories, cement plants, R&D centers, academic institutions, and government-approved labs, where compliance with testing standards is critical.

Key Features

- Preparation of concrete specimens for compressive and flexural strength testing
 - Workability and fresh concrete property evaluation
 - Quality control in batching plants and construction sites
 - Trial mix development for mix design optimization
 - Research on admixtures, blended cement, and special concretes
-
- Comparative testing of aggregates and cement types
 - Durability and long-term performance studies
 - Academic training and laboratory demonstrations





UNIVERSE

Standards & Compliance

- IS:516
- IS:1199
- ASTM C192

Product Features & Benefits

- Fully Automatic Operation

Ensures consistent mixing cycles with minimal operator dependency.

- Heavy-Duty Motor

Provides stable, continuous operation even with dense concrete mixes.

- Stainless Steel Mixing Drum

Corrosion-resistant, durable, and easy to clean.

- Uniform Mixing Action

Ensures even distribution of cement, sand, aggregates, and admixtures.

- Adjustable Mixing Speed

Allows flexibility for different mix designs and testing requirements.

- Tilt-Type Drum Mechanism

Enables easy discharge and efficient cleaning.

- Digital Timer Control

Guarantees repeatable mixing durations across batches.

- Vibration-Controlled Frame

Enhances stability and reduces operational noise.

- Low Maintenance Design

Engineered for long service life with minimal upkeep.



TECHNICAL SPECIFICATION

Parameter	Details
Model Code	AZA0805
Equipment Type	Fully Automatic Laboratory Concrete Mixer
Operation Mode	Electric Drum Mixing
Drum Capacity	40 – 60 Litres (Stainless Steel)
Mixing Speed	20 – 30 rpm
Timer	Digital Timer (0–30 minutes)
Drum Type	Rotating, Tilt-Type Discharge
Discharge System	Manual Tilting Mechanism
Standards Compliance	IS:516, IS:1199, ASTM C192
Power Supply	230 V AC, 50 Hz
Weight	Approx. 70 – 90 kg