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TILE ABRASION TESTING MACHINE AZA0992

The AZA0991 Laboratory Pulveriser is a high-performance grinding machine designed for the fine and uniform pulverization of materials such as cement, soil, clinker, aggregates, ores, and minerals.

Engineered for fast, consistent, and precise sample preparation, this unit is widely used in civil engineering, mining, geotechnical, construction material, and research laboratories.

It ensures reliable particle size reduction for downstream testing including XRF analysis, sieve analysis, and chemical composition evaluation.



Key Functional Features

- Determines abrasion resistance of flooring tiles with high accuracy
- Fully compliant with IS 1237 and IS 13630 (Part 11)
- Heavy-duty cast iron base with protective enclosure
- Precision rotating disc for uniform abrasion
- Digital / mechanical revolution counter (up to 10,000 counts)
- Uniform abrasive feeding system
- Low vibration and smooth motorized operation
- Dust-protected safety enclosure

Standards Compliance

- IS: 1237 – Cement Concrete Flooring Tiles
- IS: 13630 (Part 11) – Ceramic Tiles – Determination of Abrasion Resistance



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TECHNICAL SPECIFICATION

| Parameter | Specification |
|--------------------|-------------------------------------|
| Model No. | AZA0992 |
| Rotation Speed | 30 ± 1 RPM |
| Motor | 1 HP, Single Phase |
| Disc Diameter | Approx. 200 mm |
| Tile Size Capacity | Up to 200 × 200 mm |
| Abrasive Feeding | Manual / Optional Automatic |
| Revolution Counter | Digital / Mechanical (0–10,000) |
| Body Construction | Cast Iron Base with Steel Enclosure |
| Standards | IS:1237, IS:13630 (Part II) |

Standard Supply

- Tile Abrasion Testing Machine Unit
- Rotating Disc Assembly
- Specimen Holding Tray
- Abrasive Feed Arrangement
- Revolution Counter (Digital / Mechanical)