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ACCELERATED POLISHING MACHINE AZA0984

The AZA0984 Accelerated Polishing Machine is a high-precision laboratory apparatus designed to determine the Polished Stone Value (PSV) of aggregates. The test evaluates the resistance of aggregates to polishing under simulated traffic conditions, which directly influences skid resistance and road safety.

This machine replicates the wearing action of vehicle tyres under wet and abrasive conditions, enabling accurate prediction of long-term surface performance. It is widely used in highway engineering laboratories, research institutions, and quality control departments.



Key Functional Features

- Determines Polished Stone Value (PSV) with high accuracy
- Fully compliant with ASTM D3319 and BS 812 (Part 114)
- Heavy-duty rotating disc with precision drive system
- Integrated abrasive feed and water spray system
- Simulates real-world wet traffic wear conditions
- Powder-coated steel body for corrosion resistance
- Designed for continuous laboratory operation

Standards Compliance

- ASTM D3319 – Standard Test Method for Accelerated Polishing of Aggregates
- BS 812 (Part 114) – Methods for Determination of Polished Stone Value



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TECHNICAL SPECIFICATION

Parameter	Specification
Model No.	AZA0984
Test Standards	ASTM D3319, BS 812 Part 114
Sample Capacity	Up to 14 specimens
Rotation Speed	320 ± 10 rpm
Abrasive System	Silicon carbide with water feed
Power Supply	220V, 50 Hz, Single Phase
Body Material	Powder-coated steel
Dimensions	Approx. 1200 × 700 × 950 mm
Approx. Weight	150 – 180 kg

Standard Supply

- Accelerated Polishing Machine Unit
- Rotating Disc Assembly
- Rubber Polishing Wheels
- Abrasive Feed System (Silicon Carbide Compatible)
- Integrated Water Spray System
- Specimen Mounting Fixtures