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CORE CUTTING/CORE DRILLING MACHINE (MOTORISED) AZA0996

The AZA0996 Motorised Core Cutting / Core Drilling Machine is a high-performance, electrically powered system designed for the precise extraction of cylindrical core samples from concrete, asphalt, masonry, and geological materials.

Engineered for both laboratory and field applications, the machine combines high torque, structural stability, and vibration-free operation to deliver accurate, clean, and undisturbed core samples essential for material testing and structural evaluation.

Key Functional Features

- High-torque electric motor (1.5 – 2 HP) for continuous operation
- Heavy-duty trolley-mounted steel frame for mobility and stability
- Precision vertical feed with adjustable penetration control
- Supports core diameters from 25 mm to 150 mm
- Integrated wet drilling cooling system
- Vibration-resistant design for accurate sampling
- Thermal overload protection for motor safety
- Suitable for both laboratory and on-site applications

Standards Compliance

- ASTM C42 / C42M – Obtaining and Testing Drilled Cores of Concrete
- IS: 516:2018 – Methods of Tests for Strength of Concrete
- AASHTO T24 – Obtaining and Testing Drilled Cores and Sawed Beams





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TECHNICAL SPECIFICATION

Parameter	Specification
Model No.	AZA0996
Power Source	Electric Motor (Single Phase)
Motor Power	1.5 – 2 HP
Core Diameter Range	25 mm – 150 mm
Maximum Drilling Depth	Up to 500 mm (bit dependent)
Feed Mechanism	Manual Handwheel Vertical Feed
Frame Type	Trolley Mounted, Powder-Coated Steel
Cooling System	Integrated Wet Drilling (Water Feed)
Bit Compatibility	Diamond / Carbide Core Barrels
Motor Protection	Thermal Overload Protection
Approx. Weight	90 – 120 kg