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COMPRESSION TESTING MACHINE (FOUR PILLAR) – HAND CUM ELECTRICAL OPERATED AZA1134

The Azalab Four Pillar Compression Testing Machine (AZA1134) is a high-performance system designed for precise determination of compressive strength of concrete cubes, cylinders, paver blocks, tiles, and other construction materials.

Featuring a four-pillar heavy-duty steel frame, the machine ensures superior rigidity, minimal deflection, and highly accurate test results. Its dual-mode operation (manual + motorized) provides flexibility for both controlled and high-throughput testing environments.



Key Features

Four-Pillar Heavy-Duty Frame

- Ensures maximum stability and uniform load distribution

Dual Operation Mode

- Hand-operated pump and electric motor-driven system

Standards Compliant

- Conforms to IS 516 and BS 1881

Precision Load Control

- Fast/slow rate regulator for controlled testing

Self-Aligning Platen

- Ball-seated upper platen ensures proper alignment

High-Accuracy Measurement

- 20 cm analog dial gauge with maximum load pointer



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TECHNICAL SPECIFICATIONS

Feature	Description
Model Series	AZA1134
Standards	IS 516, BS 1881
Operation	Hand + Electric (Dual Mode)
Frame Type	Four Pillar – Heavy-Duty Steel
Capacity Options	1000 kN / 1500 kN / 2000 kN
Upper Platen	Ball-seated, self-aligning
Lower Platen	Rectangular, above hydraulic ram
Load Display	20 cm Analog Gauge (Digital Optional)
Control System	Motor + pump + rate regulator
Power Supply	230V (1 Phase) / 440V (3 Phase)
Calibration	Factory calibrated with dip-stick indicator



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AVAILABLE MODEL

Model No.	Capacity	Display Option	Power Supply
AZA-CTM1000	1000 kN	Analog / Digital Opt.	1Ø / 3Ø
AZA-CTM1500	1500 kN	Analog / Digital Opt.	1Ø / 3Ø
AZA-CTM2000	2000 kN	Analog / Digital Opt.	1Ø / 3Ø

