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SEMI AUTOMATIC COMPRESSION TESTING MACHINE AZA1138

The Azalab Semi Automatic Compression Testing Machine (AZA1138) is a high-performance system designed for accurate determination of the compressive strength of concrete cubes, cylinders, blocks, and pavers. With a 2000 kN (200-ton) capacity, motorized hydraulic system, and automatic pace-rate control, the AZA1138 delivers precise, repeatable, and standards-compliant results. It offers an optimal balance between automation and operator control, making it ideal for modern laboratories and high-throughput testing environments.

Key Features

High Capacity – 2000 kN

- Suitable for high-strength concrete testing

Semi-Automatic Operation

- Motorized hydraulic power pack with operator control

Automatic Pace-Rate Control

- Ensures compliance with ASTM, EN, and IS standards

Digital Load Measurement

- Digital indicator with peak hold, zero, and reset functions

Rigid Frame Construction

- Available in C-frame or four-column design for minimal deflection

Precision Platens

- Hardened, ground, and aligned for uniform load distribution

Safety-Oriented Design

- Equipped with pressure relief valve and limit switches





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TECHNICAL SPECIFICATIONS

Feature	Specification
Model No.	AZA1138
Load Capacity	2000 kN (200 tons)
Operation Type	Semi-Automatic
Hydraulic System	Motorized power pack
Loading Control	Automatic pace-rate control
Display	Digital indicator (PC interface optional)
Frame Type	C-Frame / Four-Column
Specimen Types	Cubes, Cylinders, Blocks, Pavers
Platen Finish	Hardened, ground, precision-aligned
Standards	ASTM C39, EN 12390-4, IS 516
Power Supply	230V / 415V, 50 Hz
Safety Features	Pressure relief valve, limit switches
Calibration	NABL-traceable certificate