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## **FULLY AUTOMATIC COMPRESSION TESTING MACHINE AZA1140**

The Azalab Fully Automatic Compression Testing Machine (AZA1140) is an advanced, high-capacity system designed for precise determination of the compressive strength of concrete cubes, cylinders, mortar specimens, and construction blocks. Engineered with a microprocessor-controlled hydraulic system and an intuitive touchscreen interface, the AZA1140 ensures fully automated operation, high repeatability, and compliance with international testing standards. It is ideal for modern laboratories, infrastructure projects, and high-throughput quality control environments.

### **Key Features**

#### Fully Automatic Operation

- Automatic load application, control, and test termination

#### High Capacity Options

- Available in 1000 kN, 2000 kN, and 3000 kN

#### Touchscreen Interface

- Real-time data display, graphing, and test configuration

#### Standards Compliant

- Meets IS 516, ASTM C39, and EN 12390-4

#### Precision Load Control

- Microprocessor-driven hydraulic system

#### Integrated Data Management

- USB, RS232, printer, and PC connectivity

#### Heavy-Duty Frame Design

- Rigid steel or four-column structure for minimal deflection





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**TECHNICAL SPECIFICATIONS**

<b>Feature</b>	<b>Specification</b>
Model No.	AZA1140
Capacity Options	1000 kN / 2000 kN / 3000 kN
Operation	Fully Automatic
Control System	Touchscreen Digital Controller
Load Accuracy	±1%
Data Output	USB / RS232 / Printer / PC Interface
Standards	IS 516, ASTM C39, EN 12390-4
Specimen Types	Cubes, Cylinders, Blocks
Power Supply	220V, 50 Hz
Frame Type	Rigid Steel / Four-Column
Hydraulic System	Microprocessor-controlled

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