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COMPRESSION AND FLEXURAL TESTING MACHINES SPLITTING TENSILE TEST DEVICE AZA1141

The Azalab Integrated Concrete Strength Testing System

(AZA1141) is a multifunctional, heavy-duty solution designed to perform compression, flexural, and splitting tensile tests within a single machine.

Engineered for high accuracy, durability, and operational efficiency, the AZA1141 enables laboratories and quality control facilities to conduct comprehensive concrete strength evaluations using one compact and versatile system. It complies with major international standards including ASTM C39, ASTM C78, and ASTM C496.

Key Features

Multi-Function Testing System

- Performs compression, flexural, and splitting tensile tests

Wide Capacity Range

- Available from 1000 kN to 3000 kN

Robust Structural Design

- Heavy-duty steel frame ensures minimal deflection

Flexible Control Options

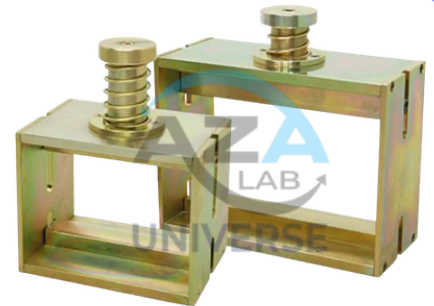
- Manual, hydraulic, or servo-controlled configurations

Interchangeable Fixtures

- Quick switching between test modes

Standards Compliant

- Meets ASTM C39, C78, and C496 requirements





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TECHNICAL SPECIFICATIONS

Feature	Specification
Model No.	AZA1141
Load Capacity	1000 – 3000 kN
Testing Functions	Compression / Flexural / Splitting Tensile
Control Mode	Manual / Hydraulic / Servo-Controlled
Display	Digital Indicator / PC Interface (optional)
Standards	ASTM C39, ASTM C78, ASTM C496
Frame Material	Heavy-duty steel with anti-corrosion coating
Power Supply	220–240V, 50 Hz
Compression Platens	Approx. 165 mm diameter
Beam Size	100 × 100 × 500 mm (customizable)
Cylinder Size	150 mm dia × 300 mm height