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SPECIMEN MOUNTING PRESS AZA1018

The AZA1018 Specimen Mounting Press is a robust, precision-engineered hot mounting system designed for metallographic sample preparation. It encapsulates specimens in thermosetting resins to produce void-free, mechanically stable, and uniformly shaped mounts, ensuring high-quality results in subsequent grinding, polishing, and microscopic analysis.

Engineered for reliability and repeatability, the AZA1018 is ideal for laboratories requiring consistent specimen preparation with excellent edge retention and minimal handling damage.

Key Features

- Manual hydraulic pressure system for controlled compaction
- Integrated electrical heating system for thermosetting resin curing
- Built-in water cooling system for rapid cycle completion
- Digital PID temperature controller for precise thermal regulation
- Digital cycle timer for automated heating and cooling stages
- Heavy-duty, corrosion-resistant construction
- Interchangeable mould assemblies for multiple specimen sizes
- Designed for safe, ergonomic, and user-friendly operation





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TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA1018
Mounting Type	Hot Mounting Press
Operation	Manual Hydraulic + Electrical Heating
Maximum Pressure	200 – 300 bar (20 – 30 MPa)
Temperature Range	Up to 200°C (Typical: 150 – 180°C)
Temperature Control	Digital PID Controller
Cooling System	Integrated Water Cooling
Timer	Digital Heating & Cooling Timer
Mould Sizes	25 mm, 30 mm, 40 mm, 1", 1.25", 1.5"
Construction	Heavy-duty, corrosion-resistant body
Power Supply	230V AC, Single Phase, 50/60 Hz
Dimensions (Approx.)	300 × 400 × 500 mm
Weight (Approx.)	30 – 40 kg