

Solid State Battery Laboratory Hydraulic Hot Press

Item Number: MY13



Introduction

Benchtop laboratory hot press for precise thermo-compression of advanced materials. Features dual-zone independent programmable heating, servo-driven force control, and 7-inch touchscreen interface for repeatable solid-state battery research, electrode fabrication, and composite lamination with built-in over-temperature and over-pressure protection.

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Parameter	Specification
Model	MY13
Platen Working Temperature	0 °C to 300 °C
Heating Control	Dual-platen independent programmable control with ramp support
Heating Power	4500 W
Platen Dimensions	300 mm × 300 mm
Platen Gap	60 mm
Working Pressure Range	0 to 6000 lbs (approximately 3 tons)
Pressure Resolution	≤ 20 lbs
Pressure Control Accuracy	± 30 lbs
Pressure Holding & Auto-Replenishment	Integrated software feedback loop for real-time load compensation
Force Driving Source	Servo-motor-driven cylinder
Interface Controller	7-inch touchscreen controller
Power Supply	110 V / 60 Hz
Optional Safety Accessory	Protective shield with optical grating sensor