

Solid-State Battery Research Laboratory Hydraulic Hot Press Machine

Item Number: MY19



Introduction

Designed for solid-state battery research, this laboratory hydraulic hot press features servo-driven pressurization up to 2 tons, dual-platen heating up to 300°C, programmable pressure cycles, and a 7-inch touch-screen controller for precise thermal compaction of electrolytes and electrodes.

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Parameter	Configuration A (Basic)	Configuration B (Enhanced)
Platen Working Temperature	0 - 150°C	0 - 300°C
Heating Control	Dual-platen independent programmable control with ramp rate control	Dual heating platen independent program control with ramp rate
Heating Power	1800 W	2000 W
Platen Dimensions	200 × 200 mm	200 × 200 mm
Platen Clearance (Gap)	150 mm	50 mm
Working Pressure Range	0 - 2 T (Servo-motor driven)	0 - 2 T (Servo-motor driven)
Pressure Control & Accuracy	Programmable pressure & pressure holding	Programmable pressure & pressure holding, accuracy ±2 kg
Control Interface	7-inch touch screen	7-inch touch screen
Cooling System	Not equipped	Circulating water cooling
Power Supply	220V / 50Hz	230V / 50Hz
Certification	Not specified	CE Certified