

Laboratory Benchtop Hydraulic Hot Press For Solid State Battery Research

Item Number: MY12



Introduction

Explore the laboratory hydraulic hot press for solid-state battery research, featuring dual-platen heating, automated pressure profiling, and integrated water cooling for efficient, precise sample processing. Ideal for electrolyte pellet and membrane fabrication in a compact, glovebox-compatible benchtop design.

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Parameter	MY12 (220V Configuration)	MY12 (110V Configuration)
Platen Dimensions	200 mm × 200 mm	200 mm × 200 mm
Heating Power (Dual Platens)	3000 W	2100 W
Working Temperature Range	Room Temperature (RT) to 500 °C	0 °C to 300 °C
Temperature Control Method	Dual-plate independent programmable control (with adjustable ramp rates)	Dual-plate independent programmable control (with adjustable ramp rates)
Working Pressure Range	0 to 40 T	0 to 40 T
Pressure Control Mode	Programmable pressure profiling with automatic pressure holding and replenishment	Programmable pressure profiling with automatic pressure holding and replenishment
Pressure Control Accuracy	±0.2 T	±0.2 T
Maximum Platen Opening	50 mm	60 mm
Platen Cooling Method	Circulating water cooling	Circulating water cooling
Power Supply	AC 220V, 50Hz	AC 110V, 60Hz
Physical Dimensions (W×D×H)	355 mm × 450 mm × 655 mm	335 mm × 410 mm × 625 mm
Equipment Weight	230 kg	180 kg