

Solid State Battery Research Laboratory Hydraulic Hot Press Machine

Item Number: MY11



Introduction

Benchtop hydraulic hot press designed for solid-state battery research. Offers dual-platen heating to 500°C, 40-ton pressure with closed-loop control, and a 7-inch touchscreen. Supports electrolyte fabrication, electrode lamination, and polymer molding with safety shields and thermal cut-offs.

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Parameter	Specification
Model	MY11
Platen Working Temperature	0 – 500°C
Heating Control	Dual-platen independent programmable PID control
Heating Power	5000 W
Platen Dimensions	300 × 300 mm
Platen Daylight (Spacing)	50 mm
Working Pressure Range	0 – 40 T (Metric Tons)
Pressure Control Mode	Programmable pressure-holding and automatic re-pressurizing
Pressure Control Accuracy	±0.2 T (Full Scale)
Controller Interface	7-inch color touchscreen
Power Requirements	Single-phase 220 V / 50 Hz
Overall Dimensions	400 × 490 × 580 mm
Equipment Weight	320 kg