

Solid-State Battery Laboratory Hydraulic Hot Press Machine

Item Number: MY16



Introduction

Precision laboratory hydraulic hot press machine for solid-state battery research; dual-platen independent heating up to 300°C, 30-ton hydraulic pressure with $\pm 1\%$ accuracy and automatic compensation, 7-inch touchscreen control, ideal for hot-pressing solid electrolyte sheets, polymer composites, and membrane electrode assemblies.

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Parameter Item	Technical Specifications
Model	MY16
Platen Size	$\leq 300 \times 300$ mm
Maximum Working Temperature	≤ 300 °C
Heating Control	Dual-platen independent programmable control with temperature ramp rate
Heating Power	≤ 5 kW
Maximum Working Pressure	≤ 30 T (300 kN)
Pressure Source	Hydraulic top-press design
Platen Daylight / Distance	50 mm
Pressure Control	Programmable pressure and dwell control
Pressure Stability / Accuracy	$\pm 1\%$ of full scale with automatic pressure compensation
Controller	7-inch touchscreen controller
Power Supply	AC 220 V / 50 Hz