

Solid-State Battery Laboratory Hydraulic Hot Press Machine

Item Number: ZY04



Introduction

Ideal for solid-state battery research, this lab hydraulic hot press provides 50-ton pressure, independent dual-platen heating to 500°C, 7-inch touchscreen control, water cooling, customizable options, and $\pm 0.2\%$ pressure accuracy for precise material consolidation and electrode lamination with automatic pressure compensation.

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Parameter	Value / Description
Maximum Working Pressure	50 Tons (50T)
Pressure Sensor Accuracy	$\pm 0.2\%$ Full Scale
Platen Working Temperature	0°C to 500°C
Heating Control Method	Independent dual-platen programmable control (ramp/dwell stages)
System Controller	7-inch touchscreen interface
Platen Dimensions	500 mm × 500 mm
Daylight Opening Height	150 mm
Structural Design	4-column framework
Platen Cooling Method	Circulating water cooling
Standard Drive System	Manual hydraulic pump (Upgradeable to automatic)
Power Requirements	3-Phase AC 380V, 50Hz
Regulatory Compliance	CE Certified