Solid-State Battery Laboratory Hydraulic Hot Press Machine

Item Number: MY07

Introduction

Precision laboratory hydraulic hot press for solid-state battery research, with dual-plate heating up to 300°C, 50-ton active pressure holding, programmable touchscreen control, and robust benchtop design, ideal for academic and industrial laboratories compacting electrolyte pellets and laminating electrodes.

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Parameter	Specification
Model	MY07
Working Force Range	0 to 50 T (0 to 500 kN)
Platen Surface Pressure	Up to 55 MPa
Pressure Control Accuracy	±0.5% Full Scale
Pressure Holding Capability	Active automatic pressure compensation (within ±0.1 T deviation)
Platen Dimensions	300 mm × 300 mm
Daylight (Platen Distance)	150 mm
Hydraulic Piston Stroke	150 mm
Operating Temperature Range	Ambient to 300°C
Heating Method	Dual-plate independent programmable multi-stage temperature control (with ramp-rate control)
Total Heating Power	4500 W
System Controller	7-inch touch-screen HMI with real-time graphical monitoring
Power Requirements	220 V / 50 Hz
Physical Dimensions	400 mm × 490 mm × 780 mm
Equipment Weight	385 kg