

Laboratory Hydraulic Hot Press For Solid-State Battery Electrolytes And Polymer Composites

Item Number: MY21



Introduction

Explore advanced uniform thermal pressing for solid-state battery electrolytes and polymer composites using a laboratory hydraulic hot press featuring independent dual-platen precise PID temperature control up to 300°C, programmable pressure, and automatic force compensation for reliable consistent results.

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Parameter	Specification
Model	MY21
Operating Temperature Range	0 to 300°C
Heating Control Method	Dual-platen independent PID control with programmable ramp rates
Heating Power	5400 W
Platen Dimensions	300 × 300 mm
Uniform Heating Area	250 × 250 mm
Platen Distance (Maximum Daylight)	50 mm
Piston Stroke	60 mm
Working Pressure Range	0 to 25 T (Hydraulic, 0 to 250 kN)
Pressure Control Mode	Programmable force profile with automatic pressure compensation
Pressure Control Accuracy	±1% of full scale
Controller	7-inch touchscreen controller
Power Supply	AC 220V, 50 Hz / 60 Hz (configured by region)
Overall Dimensions	500 × 500 × 650 mm
Weight	Approximately 310 kg

Parameter	Specification
Cooling Capacity	12404 kcal/h
Flow Rate	3 m³/h
Fast Cooling Platen Size	300 × 300 mm
Chiller Dimensions	1045 × 610 × 1460 mm
Chiller Power Supply	Three-phase AC 380V, 50 Hz