

Solid-State Battery And Polymer Composite Fabrication Laboratory Hydraulic Hot Press Machine

Item Number: MY03



Introduction

Advanced laboratory hydraulic hot press for solid-state battery and polymer composite fabrication, featuring PID temperature control up to 200°C, 0-90 ton hydraulic pressure with $\pm 0.2\%$ sensor accuracy, 300x300mm heated platens, automatic pressure holding, and intuitive 7-inch touchscreen programming.

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Parameter	Specification
Model	MY03
Working Pressure Range	0 to 90 Tons
Platen Dimensions	300 mm x 300 mm
Working Temperature Range	0°C to 200°C
Temperature Control Method	Programmable PID Control
Heating Power	3500 W
Pressure Control Method	PIDS Hydraulic Control
Pressure Sensor Accuracy	$\pm 0.2\%$ Full Scale
Pressure Compensation	Automatic Pressure Holding & Replenishment
User Interface	7-Inch Touchscreen Controller
Power Supply	220V / 50Hz
Dimensions (W x D x H)	600 mm x 520 mm x 650 mm
Equipment Weight	350 kg

Experimental Module	Specific Process Supported
Membrane Lamination	Bond layers of polymer membranes under controlled temperature and pressure.
Powder Consolidation	Compress composite powders into compact, uniform disks or pellets.
Thermoplastic Molding	Melt and reform thermoplastic materials to analyze structural properties.