

Solid-State Battery Laboratory Electric Hot Press Machine

Item Number: MY18



Introduction

Compact benchtop electric hot press for solid-state battery research, polymer lamination, and MEA fabrication. Features dual-plate independent heating up to 200°C, programmable pressure up to 1800 kgf. Oil-free electric servo drive ensures clean, high-repeatability pressing, integrated water cooling.

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Parameter Item	Technical Specification
Model	MY18
Heating Plate Dimensions	60 mm × 60 mm
Dual-Plate Heating Power	600 W
Platen Working Temperature	Ambient to 200°C
Platen Heating Control	Dual-plate independent program control (with adjustable heating ramp rates)
Platen Cooling Method	Circulating water cooling
Working Pressure Range	0 to 1800 kgf
Pressure Actuation	Electric servo cylinder
Pressure Control Accuracy	< ±1% of full scale (standard configuration: < 2%)
Pressure Control Features	Programmable pressure curves, automatic pressure holding, and automatic force replenishment
Platen Spacing / Opening Height	30 mm
Power Supply	AC 220 V, 50 Hz
Reference Dimensions	300 mm × 300 mm × 500 mm
Reference Weight	Approximately 100 kg