

Solid-State Battery Research Laboratory Hydraulic Hot Press Machine

Item Number: MY15



Introduction

Compact benchtop hydraulic hot press with dual-platen heating, programmable pressure control, automatic pressure compensation, and water cooling. Ideal for solid-state battery research, composite electrode lamination, and fuel cell MEA bonding. Achieve precise temperature up to 300°C and 15-ton force consistently.

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Parameter	Specification
Model	MY15
Platen Dimensions	400 × 400 mm
Working Force Range	0 to 15 Tons (Customizable up to 30 Tons)
Force Control Accuracy	±0.15 Tons (±1% of Full Scale)
Pressure Holding & Compensation	Automatic electronic pressure replenishment
Platen Temperature Range	Ambient to 300 °C
Heating Power	5000 W (Dual-platen independent control)
Temperature Control Method	Programmable PID with ramp-rate and soaking adjustment
Daylight / Platen Opening	100 mm
Cooling Method	Circulating water cooling (Compatible with external recirculating chillers)
Power Supply	Customizable (e.g., 3-Phase 380V/50Hz, 110V/60Hz, 440V/60Hz)
Dimensions (W×D×H)	500 × 550 × 720 mm
Equipment Weight	Approximately 580 kg