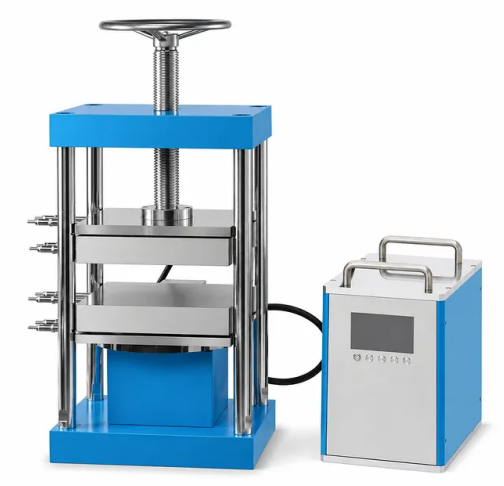
40 Ton Split Type Automatic Hot Press 400°C High Temperature 350X350Mm Platens

Item Number: XP38



Introduction

Optimize high-temperature forming with our split-type automatic hot press. Offering 40-ton force, 350x350mm platens, and 400°C capability, this system provides reliability for PEEK, PI, and advanced composites. Designed with intelligent split-type thermal protection for safety. Request a quote.

Learn More

Application	Description	Key Benefit
High-Performance Polymer Molding	Fabrication of PEEK, PI, PPS, and LCP sheets and test plaques from powder or pellet.	Uniform, void-free consolidation at temperatures that preserve polymer crystallinity.
Advanced Composite Curing	Hot pressing of carbon-fiber, aramid-fiber, or glass-fiber reinforced prepregs for structural and lightweight components.	High force ensures complete resin flow and minimal porosity in critical aerospace and automotive parts.
Flexible Circuit Board Lamination	Bonding of polyimide, adhesive layers, and copper foils in flexible printed circuit (FPC) manufacturing.	Precise temperature and pressure control prevents delamination and trace damage.
Battery Component Prototyping	Pressing of solid-state electrolyte layers, separator membranes, or electrode films for next-generation battery research.	Clean, repeatable compression with programmable profiles supports novel material development.
Semiconductor Encapsulation	High-temperature lamination of substrates and encapsulants for electronic packaging.	Split design avoids contamination of cleanroom environments by isolating hydraulic and thermal units.
Research & Development	General-purpose hot press for investigating new material systems, bonding processes, and composite formulations.	Intuitive programming and data logging accelerate process optimization and method transfer.

Parameter	Value
Model	XP38
Type	Split-type Automatic Hot Press
Pressure Range	0 – 40 T
Platen Size	350 × 350 mm
Max. Working Temperature	0 – 400 °C
Heating Power	6,000 W (2 × 3,000 W)
Temperature Control	PID intelligent programmable controller
Pressure Control	PID automatic programmable controller with multi-step hold and automatic vent
Piston Stroke	50 mm
Max. Daylight	180 mm
Cooling Method	Circulating water cooling (optional chiller recommended for 400°C operation)
Controller	7-inch industrial touchscreen with dynamic curve display and program setting
Power Supply	AC 220 V / 50 Hz (single phase); full-load current approx. 27.3 A, requires dedicated air switch

Parameter	Value
Dimensions (Est.)	approx. 850 × 480 × 650 mm
Net Weight (Est.)	approx. 460 kg
Certification	CE