



ACS Material Equipment Series

PressPro™ Dual Flat Heating Plate Manual Hot Press Machine

(EPHBMC and EPHBMD Series)

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I. Product Composition

- 1) Main Machine
- 2) Temperature Controller
- 3) Die Molds- Optional and customizable, not included.



Photo of Hot Press Machine - EPHBMC Series



Photo of Hot Press Machine - EPHBMD Series



Example Photo of Mold

II. Product Features

This machine (EPHBMC Series) uses hydraulic manual drive, with a split structure and a threaded rod suspended upper heating plate. It features rapid pressurization, spacious working area, easy maintenance, and strong operability. It is mainly used for high-temperature and high-pressure tests on various powder materials, plastic films, rubber products, asphalt, and other samples. It is an ideal supporting equipment for spectroscopic qualitative analysis by engineers and technicians in universities, research institutes, and other engineering fields.

The EPHBMD series, like the EPHBMC series, also employs hydraulic manual drive, a split structure, and a threaded rod suspended upper heating plate. It offers fast pressurization, even larger workspace, higher tonnage, and is suitable for thermal tests on larger objects and samples.

III. Product Specifications

Product Name	PressPro™ Manual Dual Flat Heating Plate Hot Press Machine					
Model	EPHBMC01	EPHBMCG1	EPHBMD01	EPHBMD02	EPHBMDG1	EPHBMDG2
Pressure Range	0-24T/0.1t (Ton adjustable: 15 tons, adjustable precision: 0.01 tons)		0-30T/0.1t (Ton adjustable: 60 tons, adjustable precision: 0.01 tons)			
Piston Diameter	Ø95mm		Ø110mm			
Max Piston Stroke	<30mm (Warning! Please do not exceed the cylinder's rising height.)					
Pressurization Method	Manual pressurization / manual gradual pressurization					
Control Interface	7-inch touch LCD screen (remote control optional) Pressure display - Temperature control system – Data management system					
Sample Pressure Conversion	Real-time automatic calculation of sample pressure (MPa)					
Temperature Control System	Programmable with 5-stage heating – Automatic heating and insulation – Natural cooling					
Insulation Time	Unlimited seconds, configurable per stage					
Hot Pressing Plate Type	Dual flat plate heating and pressing, upper plate suspended by threaded rod/polished surface plate.					
Hot Pressing Plate Size	100*100mm		180*180mm	200*200mm	180*180mm	200*200mm
Workspace	W 80*140mm (Customizable height extension)		W 200*140mm (Customizable height extension)			
Heating Temperature	Room temperature to 300°C (0.1°C increments)	Room temperature to 500°C (0.1°C increments)	Room temperature to 300°C (0.1°C increments)		Room temperature to 500°C (0.1°C increments)	
Heating Core Material	Aluminum	Copper	Aluminum		Copper	
Insulation Method	Imported insulation plate	Imported insulation plate + stainless steel water-cooled insulation plate	Imported insulation plate		Imported insulation plate + stainless steel water-cooled insulation plate	
Hot Pressing Plate Cooling Method	Natural cooling (optionally available with air/water cooling chiller)					
High-temperature Safety Configuration	When mold temperature exceeds 50°C, temperature controller automatically signals “Caution: Hot Surface”					
Power Supply	220V (50Hz/60Hz) with leakage protector					

Maximum Power	1300W (600W*2+100W)	1900W (900W*2+100W)
Overall Dimensions	Main unit: 245*170*700mm Temperature Controller: 230*270*180mm	Main unit: 405*260*720mm Temperature Controller: 230*270*180mm
Weight	65~70 kg	180~195kg
Configuration Description	Includes 1 main machine and 1 temperature controller. Optional, not included: pressure gauge, air/water cooled chiller. Customizable hot pressing molds according to requirements.	

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