ACS Material Equipment Series

PressPro™ Dual Flat Heating Plate Premium Manual Hot Press Machine

(EPHPME Series)

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Revision: 061824

I. Product Composition

1) **Main Machine**
2) **Die Molds- Optional and customizable, not included.**

Photo of Hot Press Machine - EPHPME Series

Example Photo of Mold (Optional, not included)

II. Product Features

This machine features an attractive design and a compact structure, using an integrated build and manual hydraulic drive. The upper hot-pressing plate is fixed, providing higher parallelism, making it especially suitable for hot pressing experiments on thin samples such as plastic films.

III. Product Specifications

Product Name	PressPro™ Dual Flat Heating Plate Hot Press Machine									
Model	EPHPM-E00	EPHPM-E01	EPHPM-E02	EPHPM-E03	EPHPM-E04	EPHPM-EG0	EPHPM-EG1	EPHPM-EG2	EPHPM-EG3	EPHPM-EG4
Pressure Range	0-10T / 0.01t			0-24T / 0.01t	0-30T / 0.01t	0-10T / 0.01t			0-24T / 0.01t	0-30T / 0.01t
Max Piston Stroke	<60mm									
Pressurization Method	Manual pressurization / manual gradual pressurization									

Control Interface	7-inch touch LCD screen (remote control optional, not included) Pressure display - Temperature control system – Data management system									
Sample Pressure Conversion	Real-time automatic calculation of sample pressure (MPa)									
Temperature Control System	Programmable with 30-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.									
Heating Temperature	Room temperature to 300℃ (0.1℃ increments)					Room temperature to 500℃ (0.1℃ increments)				
Heating Core Material	Aluminum					Copper				
Hot Pressing Plate Cooling Method	Natural cooling (optionally available with air/water cooling chiller, but not included in standard unit)									
Insulation Method	Imported insulation plate					Imported insulation plate + stainless steel water-cooled insulation plate				
High-temperature Safety Configuration	When mold temperature exceeds 50℃, temperature controller automatically signals “Caution: Hot Surface”									
Power Supply	220V (50Hz/60Hz) with leakage protector									
Hot Pressing Plate Size	150×150 mm	180×180 mm	200×200 mm	300×300 mm	400×400 mm	150×150 mm	180×180 mm	200×200 mm	300×300 mm	400×400 mm
Workspace	W 150×55 mm	W 180×55 mm	W 200×55 mm	W 300×55 mm	W 400×55 mm	W 150×55 mm	W 180×55 mm	W 200×55 mm	W 300×55 mm	W 400×55 mm
Maximum Power	1300W	1900W (900W*2+100W)		4200W	5100W	1300W	1900W (900W*2+100W)		4200W	5100W
Overall Dimensions	30× 40×43 cm	35× 40×44 cm	35× 40×44 cm	45× 41×45 cm	56× 60×62 cm	30× 40×43 cm	35× 40×44 cm	35× 40×44 cm	45× 41×45 cm	56× 60×62 cm
Weight	60kg	90kg	95kg	360kg	420kg	60kg	90kg	95kg	360kg	420kg
Configuration Description	Includes 1 main machine. Optional, not included: Air/water cooled chiller. Customizable height extension and hot pressing molds according to requirements.									

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