



ACS Material Equipment Series

PressPro™ Dual Flat Heating Plate Automatic Hot Press Machine

(EPHPAZ Series)

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Contact Information:

ACS Material, LLC

Address: 959 E Walnut St., Suite 100

Pasadena, CA 91106, USA

Phone: (866) 227-0656

Fax: (781) 518-0284

E-Mail: contact@acsmaterial.com

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I. Product Composition

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



Photo of Hot Press Machine – EPHPAZ01, EPHPAZ02 Series

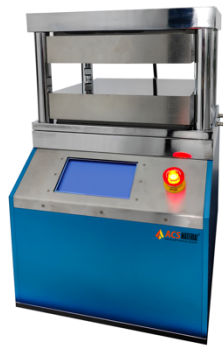


Photo of Hot Press Machine – EPHPAZ03, EPHPAZ04 Series



Example Photo of Mold (Optional, not included)

II. Product Features

The machine uses electric hydraulic drive and an integrated structure. The upper heating plate is fixed, the temperature control system and pressure system have been upgraded again, the program control capability has been greatly improved, and multiple safety features have been added, making it suitable for high-end laboratories.

III. Product Specifications

Product Name	PressPro™ Dual Flat Heating Plate Automatic Hot Press Machine							
Model	EPHPA-Z01	EPHPA-Z02	EPHPA-Z03	EPHPA-Z04	EPHPA-ZG1	EPHPA-ZG2	EPHPA-ZG3	EPHPA-ZG4
Pressure Range	0-25T/0.01t		0-30T / 0.01t	0-50T / 0.01t	0-25T/0.01t		0-30T / 0.01t	0-50T / 0.01t
Piston Diameter (mm)	Ø110		Ø130	Ø150	Ø110		Ø130	Ø150
Pressurization Method	Automatic pressurization / automatic gradual pressurization							
Sample Pressure Process	Automatic pressurization – Automatic pressure holding – Precise pressure compensation – Timed pressure release							
Pressurization Stages	5 stages							
Pressurization Time	Unlimited seconds, configurable per stage							
Mold Pressure Conversion	Real-time automatic calculation of sample pressure (MPa)							
Control Interface	7-inch touch LCD screen (remote control optional, not included) Pressure display - Temperature control system – Data management system							
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.							
Heating Temperature	Room temperature to 300°C (0.1°C increments)				Room temperature to 500°C (0.1°C increments)			
Heating Core Material	Aluminum				Copper			
Hot Pressing Plate Cooling Method	Natural cooling (optionally available with air/water cooling chiller, 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°C, temperature controller automatically signals “Caution: Hot Surface”							
Power Supply	220V (50Hz/60Hz) with leakage protector							
Hot Pressing Plate Size	180×180 mm	200×200 mm	300×300 mm	400×400 mm	180×180 mm	200×200 mm	300×300 mm	400×400 mm
Workspace	W 180×65 mm	W 200×65 mm	W 300×65 mm	W 400×65 mm	W 180×65 mm	W 200×65 mm	W 300×65 mm	W 400×65 mm
Maximum Power	2200W (900W*2+100W+300W)		2800W	5400W	2200W (900W*2+100W+300W)		2800W	5400W
Overall Dimensions	280*420*620 mm	280*420*620 mm	400*500*750 mm	500*600*780 mm	280*420*620 mm	280*420*620 mm	400*500*750 mm	500*600*780 mm

Weight	150- 160kg	160- 170kg	300- 360kg	400- 460kg	150- 160kg	160- 170kg	300- 360kg	400- 460kg
Configuration Description	<p style="text-align: center;">Includes 1 main machine. Optional, not included: pressure gauge, air/water cooled chiller. Customizable height extension and hot pressing molds according to requirements.</p>							

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