



ACS Material Equipment Series

RheoPro™ Plate Press Machine

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I. Product Overview

1) Main Unit



Photo of RheoPro™ Plate Press Machine

II. Product Features

The RheoPro™ Plate Press Machine is a versatile hot and cold press machine designed for precision temperature control and efficient operation. With an adjustable capacity ranging from 3 to 30 tons, it offers a temperature range from room temperature to 350°C, controlled by a precision PLC module. The machine features a high-performance hydraulic system that ensures smooth operation with automatic pressure compensation, making it ideal for various industrial applications. Its robust design includes high-temperature-resistant plates and efficient cooling systems, providing both reliability and ease of maintenance..

III. Product Specifications

Product Name	RheoPro™ Plate Press Machine
SKU	ERPPM001
Dimensions (d x w x h)	1060 × 470 × 1200 mm
Weight	Approx. 690kg (equipped with casters for easy movement)

Power Supply	3-phase, AC380V, 25A
Weight	Approx. 690kg (equipped with casters for easy movement)
Capacity	Adjustable from 3 to 30T
Temperature Range	Room Temp. to 350 °C
Temperature Controller	Precision module with PLC control
Timer	LED display, time range 0.1s – 99min – 9.9hr
Temperature Control Method	P.I.D microcomputer control, ensuring stable performance and precise temperature regulation
Heater	Built-in cylindrical heating mold (scientifically designed hole positions, fast heating, long lifespan, easy maintenance)
Heating Time	Approx. 15min from room temperature to 170°C
Hot Press Plate	500×500mm high-temperature-resistant imported SKD steel plate, carbonized and quenched surface for fast heat conduction, parallel pressure without deformation, internal tap water cooling
Cold Press Plate	300×300mm, internally cooled by tap water
Hot Plate Pressure	16MPa
Cold Plate Pressure	16MPa
Hydraulic System	Closed-loop hydraulic flow control system (GPY oil pump drives high-performance electro-hydraulic system with high-precision, resistance-free piston for consistent speed control, featuring automatic pressure compensation; primary and secondary pressurization times can be preset, strong load capacity, smooth operation; automatic pressurization, pressure holding, and pressure release)
Oil Cylinder Stroke	Max 180 mm
Oil Cylinder Speed	11mm/s
Pressure Gauge	0–210kg/sq.cm

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