



ACS Material Equipment Series

Polytevo Series - Plate Vulcanizing Press Machine

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Product Composition

1. Plate Vulcanizing Press Machine



Product Features

The Plate Vulcanizing Press Machine features a PLC-programmable color touchscreen with an HMI operating system, allowing automatic control of pressure, temperature, time, and degassing cycles. Raw materials are molded between heated plates for testing, supporting production formulation. Its advanced linear voltage regulation prevents temperature overshoot, while the Y-type (star) heating structure ensures balanced three-phase load and extends heater life. Ideal for detecting gels, black spots, and contamination, as well as for sample preparation, color matching, and materials R&D.

Product Specifications

Product	Plate Vulcanizing Press Machine	
Model	ACS-7006A-30	ACS-7006A-50
SKU#	ERP7VPP3	ERP7VPP5
Maximum Pressure	30 T	50 T

Pressure Control Range	5-16.6 MPa	5~17 MPa
Pressure Control Accuracy	±10%	±10%
Temperature Range	Room Temperature ~300°C (Customizable up to 400°C)	Room Temperature ~300°C
Temperature Accuracy	±2°C	±2°C
Control Method	PLC control; temperature and time adjustable via touchscreen	PLC control; temperature and time adjustable via touchscreen
Pressure Adjustment	Controlled via pressure gauge	Controlled via pressure gauge
Working Space	Upper zone for heating; Lower zone for cooling; Each with two plates	Upper zone for heating; Lower zone for cooling; Each with two plates
Opening Distance	150 mm (upper 75mm, lower 75mm)	150 mm (upper 75mm, lower 75mm)
Cooling Method	Tap water cooling	Tap water cooling
Plate Size	300 x 300 mm	400 x 400 mm
Plate Material	Alloy steel with hard chrome plating and precision grinding	Alloy steel with hard chrome plating and precision grinding
Insulation Plate	Imported high-quality insulation plate, resistant up to 500°C	Imported high-quality insulation plate, resistant up to 500°C
Piston Diameter	ø150 mm	ø200 mm
Max Piston Stroke	150 mm	150 mm
Degassing Cycles	0-99 times, adjustable	0-99 times, adjustable
Hydraulic System	Closed-loop hydraulic control system	Closed-loop hydraulic control system
Hydraulic Oil	L-HM 46 antiwear hydraulic oil (40L)	L-HM 46 antiwear hydraulic oil (40L)
Safety Protection	Transparent safety door with auto stop upon opening	Transparent safety door with auto stop upon opening

Machine Dimensions	1180 x 585 x 1550 mm	1230 x 685 x 1620 mm
Power Supply	AC 380V $\pm 10\%$, 50 Hz	AC 380V $\pm 10\%$, 50 Hz
Total Power	12 kW (for single-layer heating)	17 kW (for single-layer heating)
Weight	~ 850 kg	~ 1400 kg

Main Components List

Item	Quantity
Main Machine	1 unit
Heating/Cooling Plates	4 pieces
Relay Set	1 set
Temperature Controller	1 set
PLC System	1 set
Touchscreen Controller	1 set
Hydraulic Cylinder	1 set
Hydraulic Pump Station	1 set
Safety Protection Door	1 set

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