TECHNICAL DATA SHEET

Polytevo Series Plate Vulcanizing Press Machine

30 T and 50 T · PLC color touch screen · RT to 300℃ · double working space · closed-loop hydraulic control



Polytevo Series Plate Vulcanizing Press Machine — ACS-7006A-30 shown

The Polytevo Series Plate Vulcanizing Press Machine is offered as the 30 T ACS-7006A-30 and the 50 T ACS-7006A-50. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Polytevo Series Plate Vulcanizing Press Machine (ACS-7006A-30 and ACS-7006A-50) is a PLC-controlled vulcanizing platen press for the compression molding of test specimens, with capacities of 30 T and 50 T, a temperature range of RT to 300℃ and a double working space with an upper heating space and a lower water-cooling space.

The ACS-7006A-30 and ACS-7006A-50 form the material in a mold between the heating plates under controlled pressure and temperature. A color touch-screen PLC program-control system with a user-friendly human-machine interface lets the pressure, temperature, time and frequency of the curing process be set; once the parameters are configured, the complete molding process is carried out fully automatically.

SECTION II

Core Advantages

— **PLC color touch screen** PLC control with a color touch screen; temperature and time can be set on the touch panel.

— **Double working space** Upper space with heating, lower space with cooling.

— **Closed-loop hydraulic control** Closed-loop hydraulic control system with pressure regulation by pressure meter.

— **Hard-chrome-plated platens** Alloy steel press plates, fine ground and hard chrome plated, with a heat shield rated for 500℃.

— **Fully automatic molding cycle** Pressure, temperature, time and frequency of the curing process are set once, then the complete molding process runs automatically; exhaust (degassing) cycles can be set from 0–99.

— **Temperature and pressure accuracy** Temperature accuracy ±2℃; pressure accuracy ±10%.

— **Safety cover** Acrylic transparent visible safety cover; the machine stops running automatically once the safety door is opened.

— **Two capacities** ACS-7006A-30: 30 T with 300 × 300 mm plates. ACS-7006A-50: 50 T with 400 × 400 mm plates.

SECTION III

Specifications

Technical data — ACS-7006A-30 and ACS-7006A-50

Specifications	
Parameter	**Specification**
Brand	Polytevo Series by ACS Material
Product Name	Polytevo Series Plate Vulcanizing Press Machine
Models	ACS-7006A-30 / ACS-7006A-50
SKU #	ERP7VPP3 (ACS-7006A-30) / ERP7VPP5 (ACS-7006A-50)
Product type	Vulcanizing platen press machine
Temperature	RT to 300℃
Temperature accuracy	±2℃
Pressure accuracy	±10%
Control method	PLC control; temperature and time can be set on the touch panel
Pressure regulation	Pressure meter control
Working space	Double space: upper space heating, lower space cooling
Exhaust (degassing) cycles	0–99 times
Opening distance	75 mm upper space, 75 mm lower space
Plate material	Alloy steel (fine grinding, hard chrome plated)
Heat shield	Heat insulation board, temperature resistance 500℃
Maximum piston stroke	150 mm
Hydraulic system	Closed-loop hydraulic control system
Safety	Acrylic transparent visible safety cover; machine stops once the safety door is opened
Power supply	AC 380 V ±10%

Model comparison — ACS-7006A-30 / ACS-7006A-50

Model comparison		
Parameter	**ACS-7006A-30**	**ACS-7006A-50**
SKU #	ERP7VPP3	ERP7VPP5
Capacity	30 T	50 T
Pressure range	5–16.6 MPa	5–17 MPa
Plate size	300 × 300 mm	400 × 400 mm
Piston diameter	Ø150 mm	Ø200 mm
Dimensions (L × W × H)	1180 × 585 × 1550 mm	1230 × 685 × 1620 mm
Power	12 kW	17 kW
Weight	About 850 kg	About 1400 kg

Main components — Press plates and electrical panel

Main components	
Component	**Description**
Press plates	Fine-ground, hard-chrome-plated alloy steel plates.
Electrical panel	PLC, SSR and wiring.

Scope of delivery

— **Standard configuration:** mainframe, platen (4 pcs), SSR, thermostat, PLC system, touch screen, hydraulic power unit and safety door (1 set each, except the platen).

— **Scope of supply** — final accessories and scope of supply are confirmed in the quotation.

SECTION IV

Applications

For the compression molding of test specimens: inspection of raw material for gel (fish eye), black spots and stains; raw material pressing, coloring, mixing and sample preparation; physical property testing and material research and development.

Product value: PLC-controlled vulcanizing platen presses in 30 T and 50 T with RT to 300°C, a double working space and closed-loop hydraulic control.

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