

TECHNICAL DATA SHEET

PressPro™ Automatic Powder Press Machine

Automatic tablet press · maximum press capacities up to 100 T · 7-inch touch LCD screen · 5-stage programmable pressurization



PressPro™ EPPA series automatic powder press — third-generation automatic tablet press with 7-inch touch LCD screen and 5-stage program control. Image shown for reference; dimensions and configuration vary by model.

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Revision Date **09/28/2026**

SECTION I

Product Overview

The PressPro™ Automatic Powder Press Machine (EPPA series) is the third-generation automatic tablet press. This upgrade includes numerous optimizations and improvements: a 7-inch touch LCD screen and an upgraded program control system achieve precise pressure control and multi-stage pressurization for customers. Added safety configurations make it suitable for high-end laboratory use. The series includes six models with maximum press capacities up to 100 T. Die molds are optional and not included with the main machine. Tablet presses or molds can be customized upon requirements.

SECTION II

Core Advantages

- **7-inch touch LCD program control** — 7-inch touch LCD screen with upgraded program control system for precise pressure control; remote control optional
- **Automatic pressure process** — automatic pressurization — automatic pressure holding — precise pressure compensation — timed pressure relief
- **Real-time mold pressure conversion** — automatic calculation of sample pressure (MPa) in real time; configurable demolding pressure
- **5-stage programmable pressurization** — 5 pressurization segments with holding time configurable per stage (unlimited seconds)
- **Comprehensive safety** — glass protective door + leakage protection + emergency stop switch; automatic pressure relief on cylinder limit and on system overpressure

SECTION III

Specifications

Technical data

Specifications	
Brand	PressPro™ by ACS Material
Models (SKU)	EPPA010T · EPPA020T · EPPA030T · EPPA040T · EPPA060T · EPPA100T
Series	EPPA – Automatic Powder Press Machine (third generation)
Available Maximum Capacities	10 / 20 / 30 / 40 / 60 / 100 T
Pressurization Method	Auto-pressurization / gradual pressurization
Control Interface	7-inch touch LCD screen (remote control optional)
Configuration	Main machine, 1 unit; die molds optional and not included

Specifications						
Parameter	10 T	20 T	30 T	40 T	60 T	100 T
Model	EPPA010T	EPPA020T	EPPA030T	EPPA040T	EPPA060T	EPPA100T
Pressure Range	0.1–10 T / 0.1 t	0.2–20 T / 0.1 t	0.3–30 T / 0.1 t	0.4–40 T / 0.1 t	0.5–60 T / 0.1 t	1–100 T / 0.1 t
Hydraulic Cylinder Diameter	Ø65 mm	Ø95 mm	Ø110 mm	Ø130 mm	Ø150 mm	Ø200 mm
Max Cylinder Stroke	<30 mm	<30 mm	<30 mm	<50 mm	<50 mm	<50 mm
Pressurization Method	Auto-pressurization / gradual pressurization					
Sample Pressure Process	Automatic pressurization – automatic pressure holding – precise pressure compensation – timed pressure relief					
Pressurization Stages	5 segments					
Pressure Holding Time	Unlimited seconds, configurable per stage					
Control Interface	7-inch touch LCD screen (remote control optional)					
Touchscreen Functions	Pressure system – data management system					
Mold Pressure Conversion	Real-time automatic calculation of sample pressure (MPa)					
Demolding Pressure	Configurable (T)					
Cylinder Limit Protection	Automatic pressure relief when the cylinder rises and touches the limit switch					
System Safety Configuration	Automatic pressure relief when the system pressure exceeds the safe value					
Safety Configuration	Glass protective door + leakage protection + emergency stop switch					
Power Supply	220 V (50 Hz / 60 Hz)					
Maximum Power	400 W	400 W	400 W	400 W	400 W	700 W
Worktable Diameter	Ø128 mm	Ø128 mm	Ø128 mm	Ø148 mm	Ø168 mm	Ø218 mm
Workspaces	W 145 × 160 mm	W 145 × 160 mm	W 145 × 160 mm	W 160 × 180 mm	W 190 × 200 mm	W 200 × 220 mm
Dimensions	230 × 405 × 470 mm	230 × 405 × 470 mm	230 × 405 × 470 mm	260 × 430 × 500 mm	300 × 460 × 540 mm	320 × 560 × 640 mm
Weight	85 kg	85 kg	85 kg	120 kg	170 kg	350 kg

Scope of delivery

— Standard configuration: EPPA series main machine (automatic tablet press), 1 unit

— Die molds: optional and not included; tablet presses or molds can be customized upon requirements

Final accessories and scope of supply are confirmed in the quotation.

SECTION IV

Applications

Designed for high-end laboratory use. The automatic multi-stage pressurization process — automatic pressurization, automatic pressure holding, precise pressure compensation and timed pressure relief — suits laboratory tablet and pellet preparation requiring precise pressure control.

Product value: six automatic tonnages with maximum press capacities up to 100 T and 7-inch touch LCD program control — a third-generation automatic tablet press for high-end laboratory use.

Revision Date: 09/28/2026

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