

TECHNICAL DATA SHEET

PressPro™ Electric Isostatic Press Machine

Cold isostatic pressing · 20T / 30T / 40T / 60T · motorized hydraulic · isostatic chamber included



PressPro™ EPSBE Series — Representative Configuration

The PressPro™ Electric Isostatic Press Machine (EPSBE series) is a motorized hydraulic cold isostatic press. Image shown for reference; dimensions and configuration vary by model.

CONTENTS

- 01 Product Overview
- 02 Core Advantages
- 03 Specifications
- 04 Applications

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SECTION I

Product Overview

The PressPro™ Electric Isostatic Press Machine (EPSBE series) uses electro-hydraulic drive and is the entry-level model in the isostatic press range, with sample preparation efficiency greatly improved over manual models. The isostatic chamber needs to be moved each time a sample is made or taken. It is suitable for making a small number of small samples, and is best operated with strength and high safety awareness.

The EPSBE series covers four models: EPSBE020 (20T), EPSBE030 (30T), EPSBE040 (40T), and EPSBE060 (60T), with motorized hydraulic pressurization. Each model includes one isostatic pressure chamber (chamber pressure $\leq 300\text{MPa}$). With the isostatic chamber removed, the machine can also be used as a conventional pellet press; different molds can be selected according to the application.

SECTION II

Core Advantages

- **Motorized hydraulic drive** — motorized pressurization / gradual pressurization / automatic pressure compensation, with manual pressure release
- **Touch screen control** — 4.3-inch touch LCD screen; manual control of pressure holding time; automatic cylinder limit protection
- **Safe operation** — bulletproof glass protection door, leakage protection and emergency stop; automatic pressure relief when the cylinder touches the limit switch
- **Isostatic chamber included** — each model supplied with one isostatic pressure chamber (chamber pressure $\leq 300\text{MPa}$); chamber removable for use as a conventional tablet press
- **20T / 30T / 40T / 60T capacity** — four models across four tonnages with matched chamber dimensions
- **Customizable** — custom 500MPa isostatic press configurations or rubber molds available on request

SECTION III

Specifications

Technical data — all models

Specifications	
Brand	PressPro™ by ACS Material
Product Name	PressPro™ Electric Isostatic Press Machine
Series (Parent SKU)	EPSBE
Models (SKU)	EPSBE020 · EPSBE030 · EPSBE040 · EPSBE060
Drive	Electro-hydraulic drive
Control Interface	4.3-inch touch LCD screen
Pressurization Method	Motorized pressurization / gradual pressurization / automatic pressure compensation, with manual pressure release
Pressure Holding Time	Manual control
Pressure Stability	$\leq 1\text{MPa}/10\text{min}$
Hydraulic Cylinder Limit Protection	Automatic pressure relief when the cylinder rises and touches the limit switch
Safety Configuration	Bulletproof glass protection door, leakage protection, emergency stop switch
Power Supply	220V (50Hz/60Hz)
Maximum Power	400W
Chamber Pressure Rating	$\leq 300\text{MPa}$ (tonnage varies by model)
Configuration	1 main machine + 1 set of isostatic pressure chamber; custom 500MPa isostatic press configurations or rubber molds available on request

EPSBE series

Specifications				
Parameter	20T (EPSBE020)	30T (EPSBE030)	40T (EPSBE040)	60T (EPSBE060)
Pressure Range	0.2-20T / 0.1t	0.3-30T / 0.1t	0.5-40T / 0.1t	1.0-60T / 0.1t
Piston Diameter	Φ95 mm	Φ110 mm	Φ130 mm	Φ150 mm
Max Piston Stroke	<30 mm	<40 mm	<50 mm	<50 mm
Isostatic Chamber Dimensions	Φ22×70 mm	Φ30×150 mm	Φ40×150 mm	Φ50×150 mm
Chamber Pressure Range	≤300MPa / 12t	≤300MPa / 22t	≤300MPa / 39t	≤300MPa / 60t
Overall Dimensions	305×430×580 mm	305×430×600 mm	355×450×710 mm	405×470×720 mm
Approx. Weight	~110 kg	~120 kg	~150 kg	~200 kg

Scope of delivery

— **Standard configuration** — one main machine + one set of isostatic pressure chamber (chamber size matched to model)

— **Optional, not included** — molds; custom 500MPa isostatic press configurations or rubber molds available

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

SECTION IV

Applications

The PressPro™ EPSBE series is an entry-level motorized cold isostatic press for preparing small batches of samples. The isostatic chamber is moved for each sample; with the chamber removed, the machine can also be used as a conventional pellet press. Different molds can be selected according to the application. Four models cover maximum press capacities of 20 T, 30 T, 40 T and 60 T.

Product value: 20T / 30T / 40T / 60T motorized cold isostatic press with isostatic chamber included (≤300MPa) and touch screen control. Confirm the selected model and chamber size against your application requirements before ordering.

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