



## ACS Material Equipment Series

# PressPro™ Large-Tonnage Automatic Isostatic Press Machine

*(EPSA series)*

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## I. Product Composition

- 1) **Main Machine**
- 2) **Molds- Customizable, not included**



Photo of Large-Tonnage Automatic Isostatic Press Machine-EPSA series

## II. Product Features

The machine uses electric-hydraulic drive and a split structure, with an intelligent program control system and safe, reliable protection device. After sample preparation is complete, the isostatic chamber can be easily moved to the sampling platform. Its operation is simple, and sample collection is convenient. It is suitable for isostatic pressing experiments that require large-tonnage and large-size samples.

## III. Product Specifications

Product Name	PressPro™ Large-Tonnage Automatic Isostatic Press Machine			
Model	EPSA065Z	EPSA100Z	EPSA150Z	EPSA200Z
Pressure Range	1-65T/0.1t	1-100T/0.1t	1-150T/0.1t	1-200T/0.1t
Piston Diameter	160mm	200mm	250mm	290mm
Max Piston Stroke	< 50mm			
Pressurization Method	Automatic Pressurization / Gradual Pressurization Automatic Pressurization - Automatic Pressure Holding - Precise Pressure Filling - 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)			

	Pressure system - data management system - Chinese and English interfaces interchangeable, etc. (USB upgradable)			
Sample Pressure Conversion	Real-time automatic calculation of sample pressure (MPa)			
Hydraulic Cylinder Limit Protection	Automatic pressure relief when the cylinder rises and touches the limit switch.			
System Safety Configuration	Automatic pressure relief when system pressure exceeds a safe value			
Safety Configuration	Steel plate protection, bulletproof glass protection door, leakage protection, emergency stop switch			
Power Supply	220V (50Hz/60Hz)			
Maximum Power	700W			
Isostatic Chamber Dimensions	Φ50×150mm	Φ60×150mm	Φ80×150mm	Φ90×150mm
Chamber Pressure Range	≤300MPa/60t	≤300MPa/87t	≤300MPa/154t	≤300MPa/195t
Main Machine Overall Dimensions	330×420×930mm	380×520×930mm	420×600×1050mm	480×650×1150mm
Control Box Overall Dimensions	280×400×400mm	350×500×480mm		
Weight	~330kg	~480kg	~680kg	~970kg
Configuration Description	Includes 1 main machine, 1 control box, 1 set of isostatic pressure chamber. Can be customized to 500MPa isostatic pressure machine or rubber molds according to customer needs.			

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