ACS Material Equipment Series

PressPro™ Two Cylinder Small Tonnage Powder Press Machine

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Revision: 050224

Product Composition

1. **Main Machine**
2. **Molds - Optional**

Photo of Press Machine

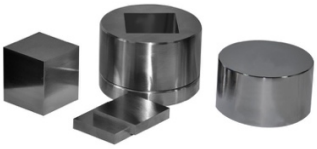

Photo of Optional Mold

Product Features

The 2 Cylinder Pointer Manual Pellet Press Series (SKU: EPPM2P) features the advantages of low tonnage, compact size, light weight, and easy portability, making it ideal for use inside glove boxes. With specific molds, it can compress various powder materials for applications in research, teaching, testing, catalysis, pharmaceuticals, and other fields.

The 2 Cylinder Digital Display Manual Pellet Press Series (SKU: EPPM2D) is an upgrade of the original press, integrating a pressure display unit using the digital pressure gauge. It directly displays tonnage without the need for conversion, with a precision of 0.01t, making it especially suitable for users who require high precision pressure control.

Product Specifications

Product Name	PressPro™ Two Cylinder Small Tonnage Powder Press Machine									
Model	EPPM-2P02	EPPM-2D02	EPPM-2P03	EPPM-2D03	EPPM-2P05	EPPM-2D05	EPPM-2P12	EPPM-2D12	EPPM-2P15	EPPM-2D15
Pressure Range	0-2T / 25MPa		0-3T / 28.8MPa		0-5T / 31.4MPa		0-12T / 30MPa)		0-15T / 30MPa	
Pressure Conversion	1Mpa = 0.08T 1t = 12.5 MPa		1Mpa = 0.1T 1t = 9.6 MPa		1Mpa = 0.16T 1t = 6.28 MPa		1Mpa = 0.4T 1t = 2.5 MPa		1Mpa = 0.5T 1t = 2 MPa	
Piston Diameter	Ø32mm		Ø35mm		Ø45mm		Ø70mm		Ø80mm	
Max Piston Stroke	< 30mm									
Pressure Gauge Type*	Pointer	Digital	Pointer	Digital	Pointer	Digital	Pointer	Digital	Pointer	Digital
Pressurization Method	Manual pressurization / manual gradual pressurization									
Pressure Stability	≤1MPa/10min									
Worktable Diameter	Ø68mm		Ø80mm		Ø68mm		Ø78mm		Ø128mm	
Workspace	W 90×106mm		W 90×120mm		W 90×120mm		W 92×150mm		W 140 ×150mm	
Overall Dimensions	205×170×370mm		205×170×370mm		205×170×370mm		230×160×420mm		275×210×440mm	
Weight	~12kg		~23kg		~23kg		~28kg		~55kg	
Configuration Description	Optional molds. If higher pressure accuracy is required, we recommend purchasing the EPPM-2D digital display model									

* Pointer Pressure Gauge Display Accuracy: 1 MPa
* Digital Pressure Gauge Display Accuracy: 0.01t or 0.01 MPa

Applications

1. Widely used in new materials, superconductors, powder ceramics, new energy sources, batteries, construction materials, and metallurgical powders.
2. Compresses various powder materials like potassium bromide (KBr), sodium chloride (NaCl), and aluminum oxide (Al2O3).
3. Produces pellets, columns, and special-shaped bodies for scientific research.
4. Compatible with calcium iron analysis, infrared spectroscopy (IR), and X-ray fluorescence (XRF) analyzers.
5. Suitable for testing the compressive strength of various objects.

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