ACS Material Equipment Series

PressPro™ X-Ray Fluorescence Press Machine

(EPFM Series)

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Contact Information:

ACS Material, LLC

Address: 959 E Walnut St., Suite 100

Pasadena, CA 91106, USA

Phone: (866) 227-0656

Fax: (781) 518-0284

E-Mail: contact@acsmaterial.com

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Product Composition

1) **Main Machine**
2) **Molds – Customizable**

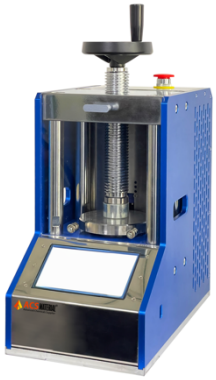

Photo of X-Ray Fluorescence Press Machine

Example Photo of Molds

I. Product Features

This machine is commonly used for preparing samples for X-ray fluorescence (XRF) analyzers, commonly known as fluorescence press machine. With specific molds, the machine can be used for multiple purposes. It is widely used in the fields of R&D and testing of new materials such as superconductors, batteries, rare earths, silicates, marine mud analysis, building materials and cement, powder metallurgy, advanced ceramics, etc.

II. Product Specifications

Product Name	PressPro™ X-Ray Fluorescence Press Machine – EPFM series			
Model	EPFM30TX	EPFM40TX	EPFA30TX	EPFA40TX
Pressure Range	0-30T/31.5MPa	0-40T/30MPa	0.3-30T/0.1t	0.4-40T/0.1t
Pressure Conversion	1MPa=0.95t	1MPa=1.33t	Automation	Automation
Piston Diameter	Φ110mm	Φ130mm	Φ110mm	Φ130mm
Max Piston Stroke	<30mm	<50mm	<30mm	<50mm
Pressure Gauge Type	Pointer type, with dual-scale display for pressure and force (digital display optional)		7-inch Touch LCD Screen (remote control optional)	
Pressurization Method	Manual Pressurization / Manual Gradual Pressurization, Manual Pressure Relief		Automatic Pressurization / Pressure Holding / Pressure Filling, Pressure Relief	

Pressure Holding Time	Manual control		Unlimited seconds, (N seconds)	
Sample Pressure Conversion	/		Real-time automatic calculation of sample pressure (MPa)	
Hydraulic Cylinder Limit Protection	Warning! Please pay attention to the rising height of the cylinder, do not exceed it!		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	Bulletproof glass shield (optional)		Bulletproof glass protection door, leakage protection, emergency stop switch	
Data Management	/		Storage, Management, Viewing, USB output	
Power Supply	/		220V (50Hz/60Hz)	
Worktable Diameter	Φ128mm	Φ148mm	Φ128mm	Φ148mm
Workspace	W: 92*160mm	W: 106*180mm	W: 145*160mm	W: 165*180mm
Overall Dimensions	275*210*440mm	295*230*490mm	230*405*470mm	260*430*500mm
Weight	~58kg	~78kg	~85kg	~120kg
Configuration Description	Includes 1 main machine, 1 set of fluorescent special molds (select from boric acid or steel ring or plastic ring or aluminum cup mold).			

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