



ACS Material Equipment Series

PressPro™ X-Ray Fluorescence Press Machine

(EPFM Series)

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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	<40mm	<50mm	<40mm	<50mm
Pressure Gauge Type	Pointer type, with dual-scale display for pressure and force (digital display optional)		XNNETS 7-inch Touch LCD Screen	
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	Φ120mm	Φ140mm	Φ120mm	Φ140mm
Workspace	W: 92*160mm	W: 106*160mm	W: 140*160mm	W: 175*180mm
Overall Dimensions	275*210*470mm	300*220*450mm	230*390*420mm	280*460*550mm
Weight	~58kg	~78kg	~85kg	~150kg
Configuration Description	Includes 1 main machine, 1 set of fluorescent special molds (boric acid or steel ring or plastic ring or aluminum cup mold).			

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