

TECHNICAL DATA SHEET

PressPro™ X-Ray Fluorescence Press Machine

XRF sample preparation · 30T / 40T / 60T · fully automatic models · XRF sample-preparation dies



PressPro™ EPFAX Series — Representative Configuration

The PressPro™ X-Ray Fluorescence Press Machine (EPFAX series) is a fully automatic press for X-ray fluorescence (XRF) sample preparation. Image shown for reference; dimensions and configuration vary by model.

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SECTION I

Product Overview

The PressPro™ X-Ray Fluorescence Press Machine (EPFAX series) is a dedicated automatic press for preparing samples for X-ray fluorescence (XRF) analyzers. It combines programmable pressurization, pressure holding, pressure compensation and timed pressure release with one-touch demolding, delivering precise pressure control for high-end XRF laboratories.

The EPFAX series covers three fully automatic models: EPFAX30T, EPFAX40T, and EPFAX60T, with program-controlled automatic pressurization and a 7-inch touch LCD screen. All models include one set of XRF sample-preparation dies with $\Phi 40$ –32 mm boric acid inlay (steel ring, aluminum cup, or plastic ring dies optional).

SECTION II

Core Advantages

- **XRF sample preparation** — designed for preparing samples for X-ray fluorescence analyzers; with specific molds, one machine serves multiple purposes
- **30T / 40T / 60T capacity** — three automatic models with real-time sample pressure calculation
- **Automatic safety & data** — limit-switch pressure relief and overpressure protection
- **Fully automatic models** — EPFAX30T / EPFAX40T / EPFAX60T with automatic pressurization, pressure holding, and precise pressure compensation
- **XRF sample-preparation dies** — one set included as standard - $\Phi 40$ –32 mm boric acid inlay; steel ring, aluminum cup, or plastic ring dies optional
- **Dedicated XRF sample preparation** — purpose-built for X-ray fluorescence analyzers; programmable automatic pressing for high-end laboratories

SECTION III

Specifications

Technical data — all models

Specifications	
Brand	PressPro™ by ACS Material
Product Name	PressPro™ X-Ray Fluorescence Press Machine
Series (Parent SKU)	EPFAX
Models (SKU)	EPFAX30T · EPFAX40T · EPFAX60T
Application	Sample preparation for X-ray fluorescence (XRF) analyzers
Pressurization Method	Automatic pressurization / automatic gradual pressurization
Standard Mold	One set of XRF sample-preparation dies with $\Phi 40$ –32 mm boric acid inlay
Configuration	One main machine with one set of XRF sample-preparation dies

EPFAX series

Specifications			
Parameter	EPFAX30T	EPFAX40T	EPFAX60T
Pressure Range	0.3-30T / 0.1t	0.4-40T / 0.1t	0.5-60T / 0.1t
Piston Diameter	Φ110 mm	Φ130 mm	Φ150 mm
Pressurization Method	Automatic pressurization / automatic gradual pressurization		
Sample Pressure Process	Automatic pressurization – automatic pressure holding – precise pressure compensation – timed pressure relief		
Pressurization Stages	5 stages, set arbitrarily (upgradable to 30 stages)		
Pressure Holding Time	Unlimited seconds; each stage can be set with a different holding time		
Control Interface	7-inch programmable touch LCD screen (remote control optional)		
Touchscreen Functions	Pressure system – data management system, USB upgradeable		
Built-in Mold Type	Φ40–32 mm boric acid inlay die (steel ring, aluminum cup, or plastic ring die optional)		
Sample Pressure Conversion	Real-time automatic calculation of sample pressure (MPa)		
Demolding Method	One-touch demolding / automatic pressure relief		
Cylinder Limit Protection	Automatic pressure relief when cylinder touches limit switch		
System Safety Configuration	Automatic pressure relief when system pressure exceeds safe value		
Safety Configuration	Bulletproof glass protection door, leakage protection, emergency stop switch		
Structural Type	One-piece structure, rocker upper plate, easy sampling		
Power Supply	220V (50Hz/60Hz)		
Overall Dimensions	260×390×460mm	280×460×550mm	300×520×580mm
Approx. Weight	~100 kg	~150 kg	~180 kg

Scope of delivery

— **Standard configuration** — one main machine with the built-in Φ40–32 mm boric-acid XRF die (boric acid sample splitter included)

— **Optional, not included** — steel ring, aluminum cup, or plastic ring dies; remote control

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

SECTION IV**Applications**

The PressPro™ EPFAX series is a dedicated automatic press for preparing samples for X-ray fluorescence analysis. It combines programmable pressurization, pressure holding, pressure compensation and timed pressure release with one-touch demolding. Three models provide maximum press capacities of 30 T, 40 T and 60 T.

Product value: 30T / 40T / 60T fully automatic fluorescence press with 5-stage programmable control (upgradable to 30 stages) and XRF sample-preparation dies included. Confirm the selected model and mold type against your application requirements before ordering.

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