

PressPRO 15-Ton

AT A GLANCE

- ▶ Variable force from 1 to 15 US tons
- ▶ Microprocessor controlled, consistent and reproducible force application for quality pellet making
- ▶ Easy to use touch-screen programming
- ▶ Wide access door with transparent window and safety interlock

The PressPRO 15-Ton microprocessor controlled automated hydraulic press introduces an element of consistency into hydraulic press applications such as KBr pellet making.

Pressure and corresponding hold time are easily entered through its integrated touch-screen control panel. Up to four pressure hold time and ramps may be programmed and performed within a run. During operation the force measurement is shown on the bright color display. This level of control enhances the uniformity and quality of transmission samples.



PART NUMBER	DESCRIPTION
181-1325	PressPRO Hydraulic Press, Evacuatable Pellet Press and Magnetic Holder
181-1320	PressPRO Hydraulic Press
Note: The PIKE PressPRO Hydraulic Press includes an integrated safety shield.	
Options and Replacement Parts	
161-1900	Evacuatable Pellet Press for 13-mm pellets
160-8010	KBr Powder, 100 g
161-5050	Agate Mortar and Pestle, 50 mm
162-5300	Magnetic Film Holder for 13-mm pellets
162-5410	Sample Card for 13-mm pellets (10 ea.)
430-1110	Vacuum Pump, 110V
430-1220	Vacuum Pump, 220V
161-1070	ShakIR, Heavy Duty Sample Grinder, 110-220V
161-1035	Stainless Steel Vial with Ball for ShakIR

Notes: ShakIR requires stainless steel vial and ball P/N 161-1035. For more Evacuatable Pellet Press options, please contact PIKE Technologies.

SPECIFICATIONS

	Metric	English
Clamp Force, Max	13.6metric tons	15.0US tons
Force Resolution	0.09 metric ton	0.10US ton
Platen Diameter	100mm	3.94"
Ram Stroke	12mm	0.45"
Die Height Range	2.5–11.5cm	1–4.5"
Dimensions (W X D X H)	24 x 43 x 34 cm	9.5 x 17x 13.5"
Weight	37.0kg	81.6lbs
Power Supply		
Input	100–240 VAC	
Operating	6A/24 VDC, 150W maximum	

PressPRO is equipped with a wide access door that allows for easy insertion and removal of the pellet press. The door features an impact resistant, polycarbonate window and safety interlock which prevents operation while the door is open, making it safe for operation in a busy laboratory environment.

The adjustable screw at the top of the press provides flexibility for short and tall die designs, yielding an open stand range from 1 to 4.5" (2.5 to 11.5 cm). The optimal ram stroke of 0.45" (12 mm) and easy top screw adjustment speed-up pellet making by reducing time required to achieve the desired force.