

PressPRO Plus – 25-Ton Programmable Hydraulic Press



FEATURES

- Variable force from 1 to 25 US tons
- Ideal for FTIR and XRF pellet preparation
- Microprocessor controlled, consistent and reproducible force application for quality pellet making
- Easy to use touch-screen programming
- Small footprint
- Wide access door with transparent window and safety interlock

The PIKE PressPRO Plus 25-ton programmable hydraulic press introduces an element of consistency into pellet making for XRF and IR analysis. Within a run, up to four pressure steps and corresponding hold time are easily entered through its integrated touch-screen control panel. Release pressure rate may be prescribed. During operation the real-time applied force is shown on the bright color display. This level of control enhances the uniformity and quality of prepared samples.

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 6" (2.5 to 15.2 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.

A wide range of pellet dies are available, ranging from 13 to 32 mm to most cover KBr and XRF pellet making needs. For sizes not listed here, please contact PIKE Technologies.

SPECIFICATIONS

| | Metric | English |
|------------------------|--------------------------|----------------|
| Applied Force, max | 22.7 metric tons | 25.0 US tons |
| Force Resolution | 0.18 metric ton | 0.20 US ton |
| Platen Diameter | 100 mm | 3.94" |
| Ram Stroke | 12 mm | 0.45" |
| Die Height Range | 2.5–15.2 cm | 1–6" |
| Dimensions (W x D x H) | 24 x 43 x 38 cm | 9.5 x 17 x 15" |
| Weight | 44.5 kg | 98 lbs |
| Power Supply | | |
| Input | 100–240 VAC | |
| Operating | 6A/24 VDC, 150 W maximum | |

ORDERING INFORMATION

HYDRAULIC PRESS

PART NUMBER DESCRIPTION

181-1340 PressPRO Plus Hydraulic Press

Note: The PIKE PressPRO Plus Hydraulic Press includes an integrated safety shield.

OPTIONS AND REPLACEMENT PARTS

PART NUMBER DESCRIPTION

161-2020 Pellet Press for 20-mm pellets
 161-2025 Pellet Press for 25-mm pellets
 161-2032 Pellet Press for 32-mm pellets
 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.