

## PIKE CrushIR – Digital Hydraulic Press



### FEATURES OF THE PIKE CRUSHIR HYDRAULIC PRESS

- Up to 15 ton of force
- Digital force readout for exceptional reproducibility
- Adjustable maximum force
- Small footprint

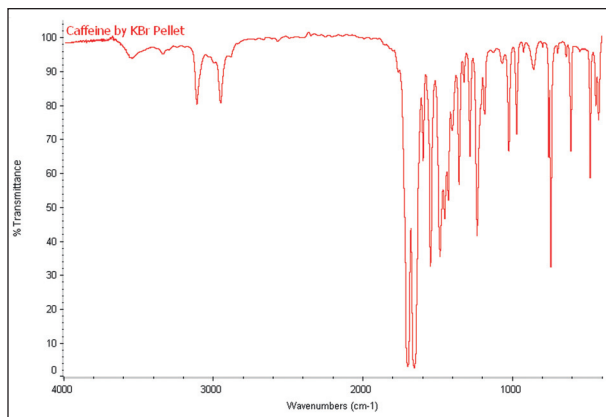
PIKE Technologies introduces a new and advanced hydraulic press for making excellent quality KBr pellets for transmission FTIR analysis. The CrushIR™ provides excellent reproducibility with its combination of digital pressure reading and adjustable maximum pressure setting thus preventing damage to the pellet die.

The new PIKE CrushIR includes a transparent protective shield making it safe for operation in a busy laboratory environment. Access for vacuum hose and other utilities is made through a port in the rear of the press.

The adjustable top screw provides flexibility for die designs of short and longer dimensions yielding an open stand range from 2" to 4.5" (5 to 11.5 cm). The efficient sized ram stroke of 0.45" (12 mm) and adjustment screw speeds pellet making by minimizing the time required to achieve the desired force.

The PIKE Evacuatable Pellet Press and 13 mm pellet holder are an excellent addition to the PIKE CrushIR. A packaged version of these 3 products is available in the list below.

All mechanical components of the press are enclosed in a safety metal cabinet. The access area is protected by a high-impact polymer shield.



FTIR spectrum of caffeine in KBr pellet made using the PIKE CrushIR Hydraulic Press and Evacuatable Pellet Press

### Specifications for PIKE CrushIR Hydraulic Press

	Metric	English
<b>Clamp Force:</b>	13.6 metric ton	15 ton
<b>Platen Size (round):</b>	100 mm	3.94"
<b>Ram Stroke:</b>	12 mm	0.45"
<b>Range Die Size:</b>	5 – 11.5 mm	2" – 4.5"
<b>Size (w x d x h):</b>	30.5 x 24.9 x 34.3 cm	12 x 9.8 x 13.5"
<b>Weight:</b>	44 kg.	98 lb.
<b>Voltage:</b>	110 or 220 V, switchable	110 or 220 V, switchable

### ORDERING INFORMATION

#### Hydraulic Press (select one)

PART NUMBER	DESCRIPTION
118-1100	PIKE CrushIR Hydraulic Press
118-1110	PIKE CrushIR Hydraulic Press, Evacuatable Pellet Press and Magnetic Holder

Notes: The PIKE CrushIR Hydraulic Press includes an integrated safety shield. Please specify voltage and country destination.

#### Hydraulic Press Options and Replacement Parts (optional)

PART NUMBER	DESCRIPTION
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	PIKE Magnetic Holder – for 13 mm pellets and film samples
162-5410	PIKE Sample Card – for 13 mm pellets (10 each)

Notes: For other options for the Evacuatable Pellet Press, please contact PIKE Technologies.