

PIKE CrushIR – Digital Hydraulic Press



FEATURES OF THE PIKE CRUSHIR
HYDRAULIC PRESS

- Up to 15 tons of force
- Digital force readout for exceptional reproducibility
- Transparent safety shield
- Small footprint

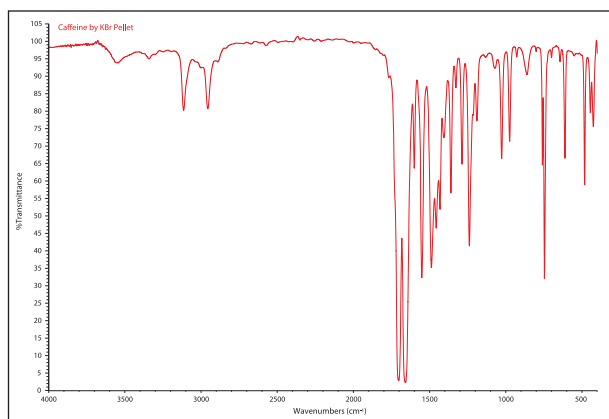
PIKE Technologies introduces a new and advanced hydraulic press for making excellent quality KBr pellets for transmission FTIR analysis. The CrushIR™ provides excellent reproducibility with its digital pressure reading.

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 ordering information.

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
Clamp Force:	13.6 metric ton	15 ton
Platen Size (round):	102 mm	4.0"
Ram Stroke:	12 mm	0.45"
Die Height:	5 – 11.5 cm	2" – 4.5"
Die Diameter:	5 – 16 mm	0.20 - 0.63"
Size (w x d x h):	30.5 x 24.9 x 34.3 cm	12 x 9.8 x 13.5"
Weight:	30 kg	67 lb.
Voltage:	100 – 240 VAC 50 – 60 Hz 0.5 A	100 – 240 VAC 50 – 60 Hz 0.5 A

ORDERING INFORMATION

Hydraulic Press (select one)

PART NUMBER	DESCRIPTION
181-1100	PIKE CrushIR Hydraulic Press
181-1110	PIKE CrushIR Hydraulic Press, Evacuatable Pellet Press and Magnetic Holder

Notes: The PIKE CrushIR Hydraulic Press includes an integrated safety shield.

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.