

CrushIR – Digital Hydraulic Press



FEATURES OF THE PIKE CRUSHIR

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

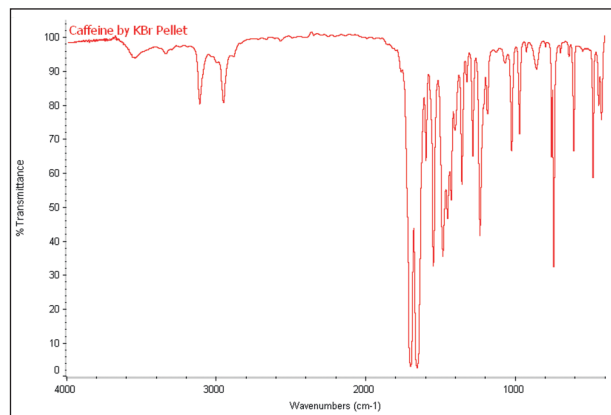
PIKE Technologies introduces a new and advanced hydraulic press for making excellent quality KBr pellets for transmission FTIR analysis. The CrushIR™ provides excellent reproducibility with its combination of digital pressure reading and adjustable maximum pressure setting thus preventing damage to the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

PIKE CRUSHIR SPECIFICATIONS

	Metric	English
Clamp Force (max)	13.6 metric ton	15 US ton
Platen Size (round)	100 mm	3.94"
Ram Stroke	12 mm	0.45"
Range Die Size	5–11.5 mm	2–4.5"
Dimensions (W x D x H)	30.5 x 24.9 x 34.3 cm	12 x 9.8 x 13.5"
Weight	31.8 kg	70 lbs
Input Voltage	90–264 V, auto setting, external power supply	
Output Voltage	9 VDC/18 W	

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
181-1120	PIKE CrushIR Heated Platens Package <i>Includes CrushIR manual, Heated Platens and Digital Temperature Control Module</i>

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	Magnetic Film Holder – for 13 mm pellets and film samples
162-5410	Sample Card – for 13 mm pellets (10 each)
430-1110	Vacuum Pump, 110V
430-1220	Vacuum Pump, 220V