

Solid Sampling

Hydraulic Press



Automatic Press
MODEL : HP-15TA



Manual Press
MODEL : HP-15TM



Hydraulic Press
MODEL : HP-Mini

KBr Die Set



Most commonly used Die for IR/FTIR for solid sampling of 13 mm pallet size consist on Anvil & Plunger, Top & Bottom Die Port, Extractor Ring, Oring.
Other sizes like 10 mm, 20 mm also available.

Manual Press

- A Complete Laboratory hydraulic press producing a force about 15 tones use to make high quality 13 mm pallet used for IR / FTIR / XRF solid sampling.
- 15 ton laboratory hydraulic pallet press is a compact, elegant and robust machine, typically used by R&D & QC labs for various pelletizing applications for IR / XRF etc.
- The high pressure pumping unit supplies hydraulic fluid to the up-stroking ram of the cylinder. This causes the ram to rise steadily and positively in the upward direction. As a result, pressure is applied on any object placed between screw and piston top plate.

Automatic Press

- Compact design and easy to operate electrical controls with pressing and ejection cycle.
- Pressing cycle has both auto and manual modes whereas ejection cycle has only manual (inching) mode
- Settable Parameters : Pressure, hold time & ram retracting time.
- Safety mechanisms to avoid over pressure & excessing ram stroke.
- Transperent polycarbonate safety guard has been provided in the area of operation
- Emergency Stop button to cut-off electrical supply (if required)
- Reputed MCB, overload relay & relay contactors are included in the Control-panel for electrical safety.
- Press is enclosed in a powder coated metallic cover, which is easily removable for maintenance purpose.

KBr Die Set



Pellet Holder



**Agate Mortar
Pestle**

The pellet holder is use to hold pallet (13 mm) of KBr, suitable to any IR / FTIR
Agate, Motar pestle use to propre sample.

Liquid Sampling

NaCl / KBr Windows



NaCl / KBr windows is available in circular & Rectangular shape.

Standard sizes :

Circular : dia 25 x 4 mm thickness

Rectangular : 38 x 19 x 4 mm

Other windows like AgCL & CaF₂ & other dimensions also available.

Universal Liquid Cell Holder
(Demountable / Fixed Thickness)

Universal Liquid Cell Hoder

(Demountable / Fixed Thickness)



Universal Liquid Cell Holder



Mull Cell Holder

The cell holder is used to mount circular as well as rectangular windows & it can be used as Demountable Cell & Fixed Thickness Cell using different spacers supplied along with teflon washers of different sizes. Mull cell holder is used to mount circular window & for mull samples. Cell holder are supplied along with assorted spaces of size 0.1 mm, 0.2 mm, 0.5 mm & 1 mm.

Dry Box (Thermostatic / PID Controller)



MODEL : DB-02N

KBr Powder & Nujol Mull

MODEL : DB-01

The ideal method of storage of FTIR/XRF accessories which are affected by moisture since highly Hygroscopic in nature, which are to be stored in dry box.

- Input Voltage : 230 V AC, 50 Hz
- Dimensions : 407 L x 229 W x 368 H for DB-02N
: 400 L x 210 W x 18 H for DB-01
- Temperature : Ambient +5°C to 70 °C