

Solid Sampling

Hydraulic Press



Manual Press



Automatic Press

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 Pellet 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
- Steady pressure building and controlled release ensures better pellet quality.
- Desired Pressure is set on manual pressure switch & actual pressure indicated by made to order Glycerine filled pressure gauge (indicator)
- Pressure hold time can be set on the timer provided on the front panel
- Settable parameters :- pressure, hold time & ram retracting time.
- Safety mechanisms to avoid over pressure and excessive ram stroke
- Transparent 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.

Liquid Sampling

Nacl / Kbr Windows



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

Standard sizes :

Circular : dia 25mm x 4 mm thickness

Rectangular : 38mm x 19mm x 4mm

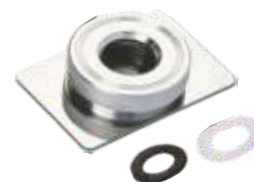
Other windows like Agcl/CLF & other dimensions also available

Universal Liquid Cell Holder

(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 0.1mm, 0.2mm, 0.5mm & 1mm.

KBr Die Set



Most commonly used Die for IR/FTIR for solid sampling of 13 mm pallet size consist of Anvil & Plunger, Top & Bottom Die Port, Extractor Ring, Oring.

Other sizes like 10mm, 20mm also available.

Pallet Holder



Pallet Holder



Agate Mortar Pestle



Kbr Powder & Nujol Mull

The pallet holder is use to hold pallet (13 mm) of KBR, suitable to any IR/FTIR

Agate, Motor Pestle use to prope sample.

Dry Box



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.