



Athena
Technology

(An ISO 9001:2008)

Hydraulic Press for IR-FTIR



MANUAL 15 Ton



- 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

KBr Die Set



We regularly manufacture dies made from Hardened Alloy Steel for all Powder Compaction Applications. These Dies are used to form circular pellets for IR/ FTIR / XRF Solid Sampling.

Dies made from Hardened Alloy Steel achieve a high hardness & hence take high pressure. Also, this material is corrosion resistant. Each die consists of two piece outer die body, punches (anvils), pusher rod & pellet removal ring. carbide have to be handled with extreme care.

Die is fitted with a vacuum nozzle for evacuation (if requires). Both punches (anvils) have one face mirror finished, which ensures excellent surface finish of pellets. Die can be easily dismantled for cleaning purposes. The entire set is enclosed in a velvetted teakwood box for safety & durability. Dies are available in the sizes 6mm, 8mm, 10 mm, 13 mm, 15 mm, 20 mm, 25 mm, 40mm. The maximum load which each die can bear varies with reference to the internal diameter of each die.

We are the manufacturer of Evacuatable KBr Die Set is used to form pellets/circular discs for IR-FTIR Solid Sampling /Analytical Purpose. Most commonly used die is of 13 mm dia. pellet size. 13 mm KBr Die consists of a two-piece outer die, tungsten carbide mirror finished punches (envils), pusher rod and pellet removal ring. Die is fitted with a nozzle for evacuation (if required). The die is manufactured from hardened stainless steel and can be easily dismantled for cleaning purposes . The entire set is enclosed in a velveteed teak-wood box , for safety and durability.

Dies are available in the sizes with very reasonable price :-
6 mm, 8 mm, 10 mm, 15 mm, 20 mm, 25 mm, 30 mm, 37 mm, 40 mm, 60mm

Above dies will be available by using Material like SS 316,HSS. Special Initiative taken by us to Provide the KBR Dies in Diamond polishing which is easy to fulfill your client requirement like accuracy and Finishing .



40mm DIE SET



13mm DIE SET



ATHENA TECHNOLOGY

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