



The 15 Ton and 25 Ton Manual Hydraulic Laboratory Presses are primarily designed for the Preparation of KBr Discs in solids Analysis, although they are frequently used in multiple applications where an extreme force is required to compress or form a substance into a pellet. Both Presses are of a lightweight four pillar construction. They are manufactured to precision engineering tolerances and carry the CE mark.

The Upper Lead Screw allows adjustment between surfaces, saving time in sample preparation. The Ram, which has a stroke of 23mm incorporates a safety cut-out valve. The valve operates when maximum stroke is reached, thus preventing damage to internal components. The 25 Ton Press incorporates an audible warning alarm, which is activated when the maximum working pressure is reached.

Both Presses are supplied with polycarbonate safety guards, which are designed to give easy access to the operating Anvils.

Optional Extras:-

1. A pressure release handle with a built-in pressure limiter is available as an option at extra cost. This allows the user to pre-set maximum tonnage to the operating limit, applicable to certain types of Die.
2. Pelleting System; An internal Vacuum Pump is connected to special evacuable 13mm Die. The vacuum tube fits to the Die base which remains fitted to the press. The sample is loaded into the Die which is then placed onto its base. This removes the need to continually disconnect and re-connect a vacuum tube to the Die set. A useful tool when processing multiple samples.



**Pelleting System Die
LP15-VP**

Includes:

- LP-15 Press with internal 12v dc vacuum pump.
- 110v - 240v 50Hz to 12v External power adapter.
- Interconnecting vacuum tube.
- Special 13mm evacuable pelleting Die Set

Features:-

- **Lightweight Construction 33kg**
- **Safety Cut-out Valve**
- **Max Pressure Audible Warning Alarm (LP-25)**
- **Optional Regulator LP-PL**
- **Optional Pelleting System with internal Vacuum Pump.LP15-VP.**
- **Large Lead Screw Adjustment**
- **All Moving Parts Enclosed**
- **Safety Guards**

Specifications	LP-15	LP-25
Maximum Load on Ram	15 Metric Tons	25 Metric Tons
Standard Gauge Resolution	1 Ton	1 Ton
Readout Type	63mm Bourdon Tube Pressure Gauge	Large Digit LCD Backlit Display
Piston Cylinder	108mm diameter	108mm diameter
Lower Bolster	101mm diameter	101mm diameter
Ram Stroke	23mm	23mm
Top Bolster	38mm diameter	38mm diameter
Top Bolster Vertical Adjustment	116mm	116mm
Maximum Daylight (distance)	134mm	134mm
Minimum Daylight (distance)	50mm (Ram fully retracted) 27mm (Ram fully extended)	50mm (Ram fully retracted) 27mm (Ram fully extended)
Base Dimensions	268 x 286mm	268 x 286mm
Distance between Pillars	165mm	165mm
Overall Height	475mm	475mm
Net Weight	33kg	34kg
Finish	Two-Tone Light Grey / Oxford Blue	Two-Tone Light Grey / Oxford Blue