

Heated Laboratory Press

Model: L0002 & L0003 Series

a measurable difference...

IDM[®]
instruments

The Laboratory Press is designed for pressing or helping to form samples between two platens.

Two digital temperature controllers enable the platens to be heated or cooled and even set process times for heating and cooling.

A digital panel meter is used to display the compression force (kgf) enabling fast and accurate operation.

Applications:

- Moulding Plastic
- Moulding Rubber
- Moulding Composites

Standards:

- ASTM D 4703

Features:

- Digital Panel Meter
- Accuracy: $\pm 1\%$ FS
- Digital temperature controllers:
- Temperature: Ambient to $300^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Platens: 300mm x 300mm
- Maximum Stroke: 150mm
- Maximum daylight: 150mm
- Digital pressure gauge indicating tonnes
- Hydraulic Hand pump
- Timer: 0 - 9999
- Auto Zero function
- Sample Rate: 5 to 100 per second (selectable)



Available Models:

Model	Capacity Tonne	Readability
L0002-M1	0-10	10,000 x 10 kgf
L0003-M1	0-15	15,000 x 10 kgf
L0003-M2	0-20	20,000 x 10 kgf
L0003-M3	0-25	25,000 x 10 kgf
L0003-M4	0-30	30,000 x 10 kgf



Hydraulic Pump

The HLP as standard is fitted with a hydraulic hand pump. That provides a low cost efficient means for manually developing or increasing the pressure. The pump is supplied with an internal pressure relief valve. An optional L0003-4 Electric Pump is also available to raise and lower the platen if ordered.



Controls

The control panel is fitted with a digital display that specifies in kgf to give you an indication of how much force you are applying. Two temperature controllers for the upper and lower platens are also fitted and display the set point and the actual temperature when running. When the water cooling option is ordered a timer is also supplied for turning on the water to cool the platens to ambient after a pre-set heating time.



Options for L0002 & L0003 Series:

- **L0003-OP1** - Laboratory Press Water Cooled Platens: 300mm x 300mm
The water cooled platens are fitted onto the instrument at time of manufacture, and allow the platens to cool at a faster rate also comes with Water Solenoid Valve
- **L0003-OP2** - Electric pump
The Electric Pump is used to electrically raise or lower the platen
- **L0003-OP3** - Temperature Range Ambient - 400°C
- **L0003-OP4** - Platen size - 400mm x 400mm
- **L0003-OP4** - 200mm Daylight
- Cavity Sample Moulds
D0004-2 Cavities
D0004-4 Cavities
Custom made cavity sizes available



Dimensions:

H: 1,000mm

W: 900mm

D: 500mm

Weight: 120kg

Dimensions and weight may vary according to particular model chosen.

Connections:

• **Electrical:**

415 VAC @ 50 HZ, 3 Phase