

Compression Moulding Press

Robust Fabrication:

Sturdy construction with IS 2062/IS:226-grade steel for durability and minimal deflection under load.

Advanced Control:

PLC-based control system with programmable cycles, stroke, and pressure settings.

Optimized Hydraulics:

Efficient power pack with cartridge valve manifold technology for trouble-free performance.

Safety Assured:

IP54-rated electrical panel, emergency stops, and safety interlocks for operator protection.



Parameter	100-Ton Press
Capacity	100 tonnes
Daylight	250 mm
Main Ram Stroke	250 mm
Platen Size (L x W)	400 x 400 mm
Max Working Pressure	200 Kg/cm ²
Platen Heating	Electric
Platen Temperature	Up to 400°C
Heating Capacity (Each)	6 kW
Speeds (Approx.)	Approach: 70 mm/sec, Pressing: 1.4 mm/sec, Return: 90 mm/sec
Electric Motor	5 HP, 415V, 3-phase
Oil Tank Capacity	325 liters
Control System	PLC with touch-screen HMI

Additional Models Available:

10, 30, 50, 200 and 500-ton capacity presses are also available, designed to meet your specific moulding requirements.



Vacuum Hot Press

Robust Construction: Heavy-duty metal frame with sky-blue emulsion finish.

Versatile Capacity: Offered in 10, 20, and 50-ton variants to suit diverse needs.

Advanced Automation: Fully automatic operation with PLC and VFD control.

User-Friendly Interface: 5.7" Delta HMI for seamless programming and operation.

Precision Pressing: Uni-axial compaction with programmable load control.

Customizable Design: Adjustable die and loading height for user convenience.

Safety Features: Emergency switches and limit switches ensure secure operation.

Reliable Hydraulic System: Siemens motor and hydraulic pumps for consistent performance.



Model	Max Temperature	Inner Dimensions(mm)	Volume (Liters)	Outer Dimensions	Max Power	Phase	Weight	Vacuum Level mbar (Max)	Press Capacity
VHP 1/16	1600 C	100*100*100	1L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 3/16	1600 C	150*150*250	3.375 L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 5/16	1600 C	150*150*250	5.625 L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 1/18	1800 C	100*100*100	1L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 3/18	1800 C	150*150*250	3.375 L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 5/18	1800 C	150*150*250	5.625 L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 1/20	2000 C	100*100*100	1L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 3/20	2000 C	150*150*250	3.375 L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton
VHP 5/20	2000 C	100*100*100	5.625 L	800*800*1500	8 Kw	3 phase	200	10 ⁻⁴	10, 20, 50 100 & 200 Ton

Optional Add-Ons :

- Customized die sets for specific applications.
- Enhanced vacuum pumps for advanced operations.
- Remote monitoring and automation module.
- Upgradable hydraulic press capacity for specialized needs.



Vacuum Press / Laminating Press

Robust Fabrication:

Sturdy construction with IS 2062/IS:226-grade steel for durability and minimal deflection under load.

Precision Heating:

Electric-heated platens with PID temperature controllers for exact heat distribution up to 400°C.

Advanced Control:

PLC-based control system with programmable cycles, stroke, and pressure settings.

Optimized Hydraulics:

Efficient power pack with cartridge valve manifold technology for trouble-free performance.

Safety Assured:

IP54-rated electrical panel, emergency stops, and safety interlocks for operator protection.

Parameter	100-Ton Press
Capacity	100 tonnes
Daylight	250 mm
Main Ram Stroke	250 mm
Platen Size (L x W)	400 x 400 mm
Max Working Pressure	200 Kg/cm ²
Platen Heating	Electric
Platen Temperature	Up to 400°C
Heating Capacity (Each)	6 kW
Speeds (Approx.)	Approach: 70 mm/sec, Pressing: 1.4 mm/sec, Return: 90 mm/sec
Electric Motor	5 HP, 415V, 3-phase
Oil Tank Capacity	325 liters
Control System	PLC with touch-screen HMI
Vacuum Level	Upto 10 ⁻⁶ mbar
Press Capacity	10, 20, 50, 100 and 200 Ton



200 Ton Vacuum Press



200 Ton Vacuum Press



200 Ton Vacuum Press

Additional Models Available:

30, 50, and 200-ton capacity presses are also available, designed to meet your specific moulding requirements.

Automatic Hydraulic Press

Robust Construction: Heavy-duty metal frame with sky-blue emulsion finish.

Versatile Capacity: Offered in 10, 20, and 50-ton variants to suit diverse needs.

Advanced Automation: Fully automatic operation with PLC and VFD control.

User-Friendly Interface: 5.7" Delta HMI for seamless programming and operation.

Precision Pressing: Uni-axial compaction with programmable load control.

Customizable Design: Adjustable die and loading height for user convenience.

Safety Features: Emergency switches and limit switches ensure secure operation.

Reliable Hydraulic System: Siemens motor and hydraulic pumps for consistent performance.



20 - Ton Automatic Hydraulic Press



50 - Ton Automatic Hydraulic Press

Additional Options :

- 10 - Ton Variant
- 20 - Ton Variant
- 50 - Ton Variant
- 100 - Ton Variant



100 - Ton Automatic Hydraulic Press

Manual Hydraulic Press

Robust Construction: Heavy-duty metal frame with sky-blue emulsion finish.

Versatile Capacity: Offered in 10, 20, and 20-Semi Automatic ton variants to suit diverse needs.

Precision Pressing: Uni-axial compaction with programmable load control.

Customizable Design: Adjustable die and loading height for user convenience.

Safety Features: Emergency switches and limit switches ensure secure operation.

Reliable Hydraulic System: Siemens motor and hydraulic pumps for consistent performance.

Category	Specifications
Press Capacity	10 tons
Cylinder Capacity	10 tons (Hydraulic power unit)
Usage	Powder pressing
Piston Stroke	50 mm (Max)
Upper Ram	Stationary
Loading Type	Vertical up
Day Light	120 mm (distance between punch and die)
Platen Size	100 mm dia
Press Frame	2-pillar type
Pressure Gauge	Digital pressure gauge
Max Pressure	300 bars (30 MPa)
Model	Table-top
Pellet Die	Optional (available at extra cost)



10 - Ton Manual Hydraulic Press



20 - Ton Semi Automatic Hydraulic Press

Additional Options :

- 10 - Ton Variant
- 20 - Ton Variant
- 20 - Semi Automatic Ton Variant

Mini Hot Press

Compact and Efficient: Table-top model with a 2-pillar frame for easy handling and minimal space requirements.

Dual Functionality: Combines mechanical pressing with heating for versatile applications.

Advanced Temperature Control: PID microprocessor ensures precise temperature regulation.

Safety Features: Equipped with fuses, MCB protection, and clear indicators.

Customizable Pressing Capacity: Available in 10, 20 Ton Variant.

Robust Heating System: Strip heaters deliver uniform heating up to 800°C.

Category	Details
Press Capacity	10 Ton (Optional: 20T available)
Press Frame	2-pillar type, table-top model
Max Pressure	300 bars (30 MPa)
Piston Stroke	50 mm
Platen Size	100 mm diameter
Daylight Gap	120 mm
Heating Elements	Strip heaters
Working Temperature	Up to 800°C
Power Requirement	1kW, 230V AC
Temperature Control	PID-based, $\pm 1^\circ\text{C}$ accuracy
Thermocouple Type	'K' type
Safety Mechanisms	Input/output fuses, MCB protection



Optional Add-Ons :

- Pellet dies of various sizes.
- Enhanced temperature control systems with additional thermocouples.
- Custom platen sizes for specific applications.
- Extended heating capacity for advanced materials.