

Blaze 120

Hydraulic Hot Press



 **BIESSE**

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Hydraulic Hot Press

Blaze 120 is a thermic fluid heated 120 ton hydraulic hot press designed and developed by Biesse. This machine is used in pressing Laminates / Veneer on MDF / Plywood / Chipboard. The structure is stress relieved and machined to get geometric accuracy, and the heavy structure ensures perfect pressure and bonding.



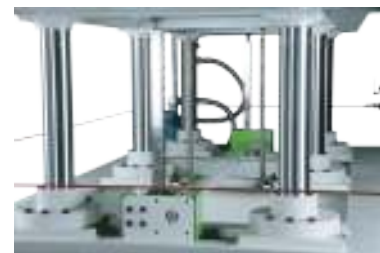
Operating Units and Features



The hydraulic unit is the heart of Blaze 120 hydraulic press - is mounted securely in the middle of the lower part of the press. This design excludes any possibility of damage to the motor, pump and other aggregates.



Drill solid steel platen inside which the hot thermic oil is circulated. Platens are ground to ensure the perfect flatness. The platens are covered with Mylar sheets for easy maintenance and to avoid glue spilling on the platens.



The lifting of platens is actuated by 6 Ram type cylinders of 85mm diameter each. The lifting movement of the 6 cylinders is synchronised with double rack and pinion arrangement (2 length wise 2 width wise).



Thermic oil heating technology with maximum heating temperature of 120 degrees celsius which is ideal for activating the glue for a perfect bonding.

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Blaze 120 hydraulic hot press with the 2-Daylight configuration (additional platen) is an outcome of the thorough study of the market demands for more productivity. The press is built with beam structure for high rigidity and reliability .



Structure and safety features



The machine is equipped with a 7" touch screen PLC for easy setting and monitoring the functions. Double push button system for safe pressing operation. The upward and downward movement is actuated only when both buttons are pressed simultaneously as graphically indicated.



Also equipped with emergency safety rope all around the periphery of the machine for added safety.

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Technical Specifications

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	No. of Platens - 2	No. of Platens - 3
Top and Bottom Solid Steel Platens	2500 x 1300 mm	2500 x 1300 mm
Effective Working Area	2460 x 1240 mm	2460 x 1240 mm
Pressing Cylinders	6 Nos.	6 Nos.
Ram Diameter	85 mm	85 mm
Ram Stroke	385 mm	385 mm
Distance between Platens	385 mm	170 mm
Maximum Total Thrust	120 Tons	120 Tons
Heating Medium	Thermic Oil	Thermic Oil
Overall Dimension (L x B x H)	4250 x 2800 x 1670 mm	4250 x 2800 x 1670 mm
Gross Weight	5500 Kgs Approx.	6300 Kgs Approx.
Maximum Heating Temperature (Oil)	120 Degree Celsius	120 Degree Celsius
Power Rating	22kW	26 kW

Service - Realtime Solutions



Thanks to a global network and a highly specialized team it offers a full range of after-sales services:

- Spare parts
- Technical support
- Tele-support
- Installation
- Maintenance
- Training
- Repair



Biesse Group's Service promotes, cultivates and develops closer and more constructive relationships with clients to get to know their requirements better, to create more value and to help improve the products and services it provides.

The Biesse Group

The Biesse Group operates in the production of machinery and systems for the wood, glass and stone working industries.

Starting right from its formation in 1969, the Biesse Group has stood out in world markets for its rapid growth and strong will to become a global partner for those companies belonging to its lines of business.

As a multinational company, the Biesse Group distributes its products through a network of 30 directly controlled subsidiaries and no fewer than 300 dealers and agents located in strategic markets enabling Biesse to cover more than 100 countries.

They guarantee specialized after-sales assistance to clients whilst at the same time carrying out market research in order to develop new products.

The constant drive for technological improvement, innovation and research has let Biesse develop modular solutions capable of meeting all the production requirements of its clients: from the design of turnkey plant for large industrials to single automated machines and work centres for small and medium enterprises and even down to the design and sale of single highly technological components.

The Biesse Group has over 2,800 employees and has production facilities in Italy and India with a total surface area of over 115.000 square metres.

The Biesse Group is made up of three divisions, each of which includes a productive unit concentrating on single product lines.

The Wood Division designs and produces woodworking machinery for companies processing furniture, doors and windows, and offers a wide range of solutions for the entire industrial production cycle of wood and its by-products.

The Glass and Stone Division produces machines for companies processing glass, stone and, more generally speaking, for different industries such as interior decoration, building and the automobile industry.

The Mechatronic Division designs and produces highly technological components both for the Group and for the world market.





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