

Masa AG, 56626 Andernach, Germany

Special products with press technology

The British Standard is an essential quality criterion for concrete products in countries such as in the Middle East or England. Masa has developed a machine that also meets the high requirements of these markets: The Masa wetpress (also known as a hydropress) primarily produces concrete elements such as kerbstones, but high-strength concrete slabs that are characterised by particularly low water absorption are also produced. As opposed to normal block or slab manufacturing, liquid concrete is highly compacted here whilst at the same time extracting the water.

Masa can rely on its own in-house expertise in the field of press technology for the further development of these machines. The precise dosing of the concrete into the mould, for example, is crucial to the quality and the dimensional accuracy of the concrete block. In slab presses, the hose type batcher is the solution for the precise dosing of the facing concrete. It has been used successfully for years in this field. The dosing unit is now being used in wetpresses in order to achieve high dimensional accuracy.

The system can be implemented either as a single-station sliding bed press or as 3 or 4-station turntable press. Both press types follow the same operational principle.

The sliding bed press is the compact version of the press and makes high productivity possible in the most confined space. The turntable press is the high-performance machine from this series and, accordingly, has a higher capacity. Both press types can be operated in relation to customer requirements and the materials to be processed, both with permanent and with paper filters.



Single-station sliding bed press

If the press produces using a paper filter, then this is inserted into the mould in the first work step. Permanent filters are exchanged after a certain number of working hours.

In the further work process the liquid concrete is then dosed precisely and volumetrically by the hose type batcher and, hence, poured evenly into the mould. The concrete



4-station turntable press



Hose type batcher

Your partner for successful production of building materials



Plants for the manufacture of Concrete Blocks and Pavers



Plants for the manufacture of Kerbstones



Plants for the manufacture of Aerated Concrete Blocks



Plants for the manufacture of Concrete Slabs



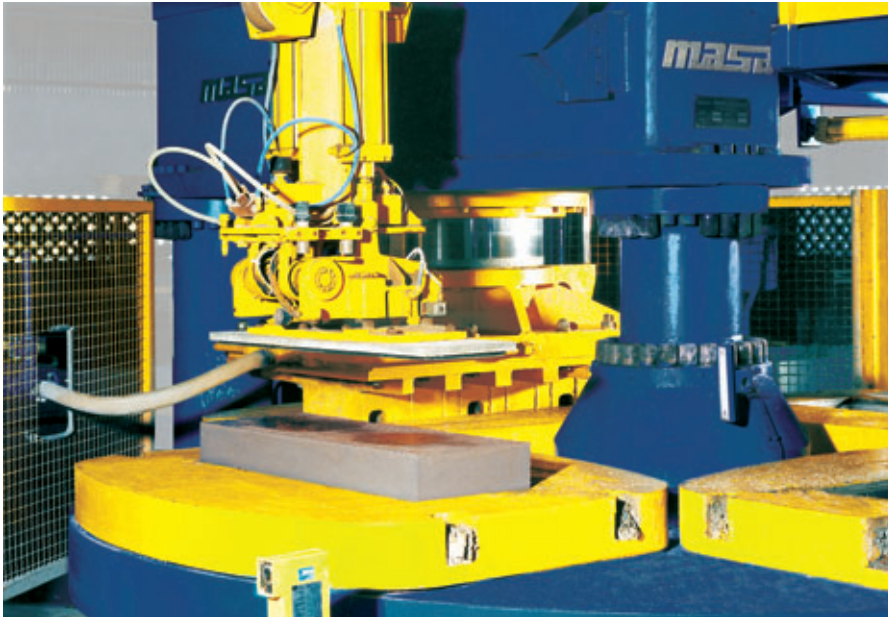
Assembly, Spare Parts and Service



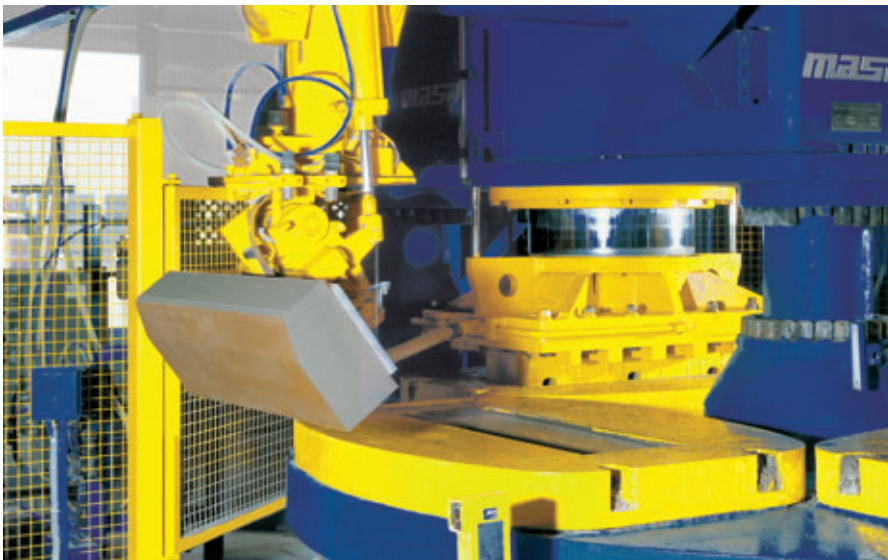
Plants for the manufacture of Sand-Lime Bricks and Blocks

Masa covers the complete range of machinery and ancillary equipment for the building materials industry: batching and mixing, concrete blocks/pavers, concrete slabs, sand lime bricks and aerated concrete.

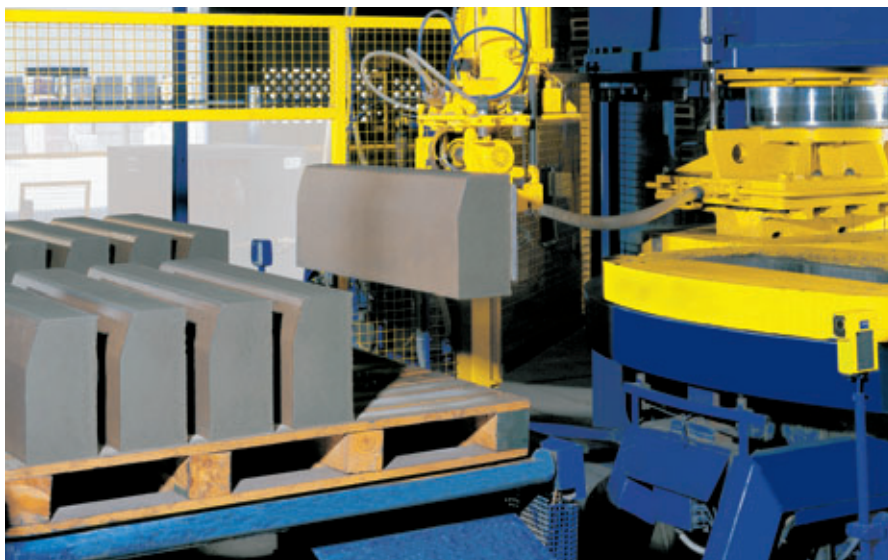
All technical solutions are individually planned, designed, adapted and realised for each customer, resulting in one supplier and one individual contact person.



Demoulding



Vacuum placing unit



Setting down on transport pallets

is compacted in the next work step. The process parameters – pressing time, pressing speed and pressing power (max. 6000 kN) – can be set infinitely via PC. Hence, the parameters can be adjusted for different products and raw materials. During the pressing process the excess water is then extracted at the same time.

The finished product is lifted out of the mould via hydraulic cylinders and can subsequently be turned from the horizontal into a vertical position with the aid of a vacuum placing unit. The blocks are set down on transport pallets.

Masa wetpresses are in use at customers all over the world. From Ireland to the Middle East, South Africa, Asia and Australia, customers use the proven technology.

A further decisive advantage for the customers in this respect is that both individual presses and complete plants with mixing and dosing systems come from one and the same source. From planning, design, production, assembly, commissioning and training through to maintenance and ongoing production support, the name of the partner is Masa.

Masa will be exhibiting its latest technological developments at the bauma 2010 in Munich in Hall B 1, Booth 317/420.

FURTHER INFORMATION

masa

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