

Techno Split srl, 38050 Ospedaletto (TN) Italy

90° rotating table for splitting a concrete block on all four sides in just one split cycle

The H&B system presents two fundamental innovations in a single project. The rotating table, which allows working on all four faces of the concrete block in a single cycle, and the advance and reverse movement of the blocks by means of bars which are more and more frequently replacing the classic pusher, thus offering a more innovative, precise and fast system.

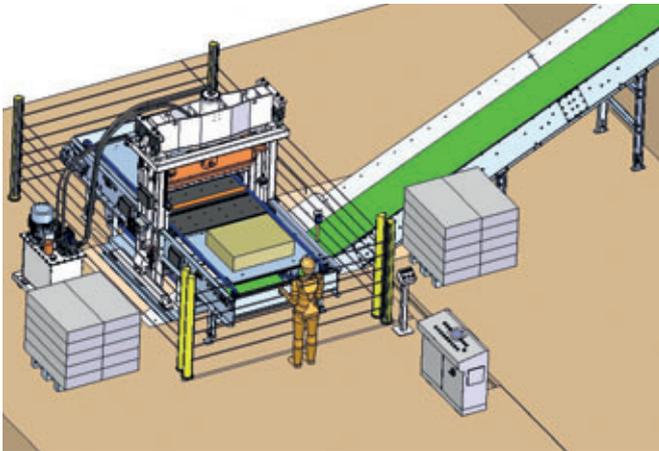
Until today, anyone who wanted to split a concrete block on all four sides in a single work cycle could make use of an automatic gripper, which, by rotating the blocks after the first split, repositioned them at the entry to the machine, where the second process was carried out on the faces still to be split. The Italian company Techno Split has also positioned itself in 2012 to the challenges of the economic crisis and the lower and lower investment budgets. The simple and effective proof is the delivery of a system that satisfies two

fundamental requirements such as the respect of the maximum investment ceiling for the customer as well as with the high research into quality, safety, innovation and productivity of the splitting line.

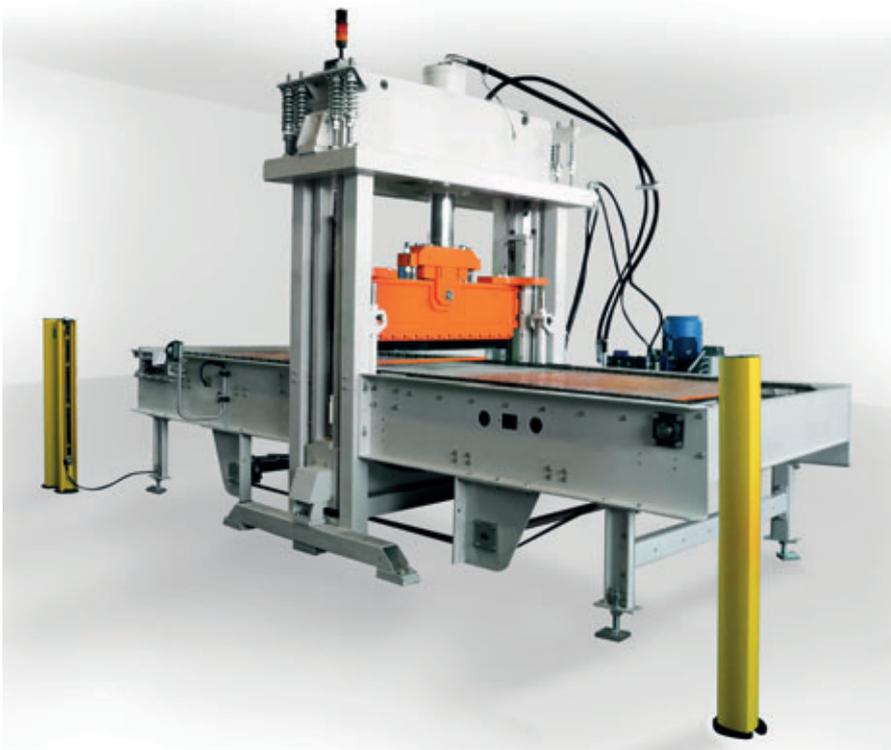
How the H&B line works

This line is ideal for split concrete blocks for wall coverings, external masonry, or boundary walls. It works with only one operator in charge of loading and unloading the blocks. The blocks to be split are positioned on the loading table with the aid of a jib crane; at the start of the cycle the pusher of the loading table pushes the blocks under the splitting machine and, once the split has been made, it repositions the newly split blocks in the centre of the out-feed table.

The outfeed table rotates by 90°, the pusher pushes the blocks again with a reverse movement under the blade of the splitting machine, which performs splitting on the remaining sides of the block. At this point, all the technical rejects are evacuated automatically and the finished product is repositioned on the infeed table. The operator can now unload the block split on four faces with the aid of the jib crane. A work cycle lasts about twenty-seven seconds, so it is much faster than the present manual systems.



The new H&B line



- Optimisation. This system, with the same cost as traditional ones, presents the same performance as a much larger splitting line.

Main components of the system

- Jib crane with Techno Split gripper
- Loading and unloading table with a pusher with double catenary and rotating outfeed table
- Splitting machine TS 140x40-120T complete with control unit for TS 140x40-120T
- Inclined rubber-coated conveyor belt for rejects measuring 11000x800 mm
- Electric system for the splitting line
- Accident-prevention guards

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The advantages of the new Techno Split system

- Speed. Just twenty-seven is all it takes for a whole splitting cycle which comprises the advance of the blocks under the machine blade, the first split, the rotation of the outfeed table, the reverse movement of the block under the blade for the second process and the positioning of the finished product.
- Modularity. The splitting line has been designed for further evolutions, the loading and unloading operations can be automated at any time with automatic grippers or robots.

FURTHER INFORMATION

TECHNO SPLIT

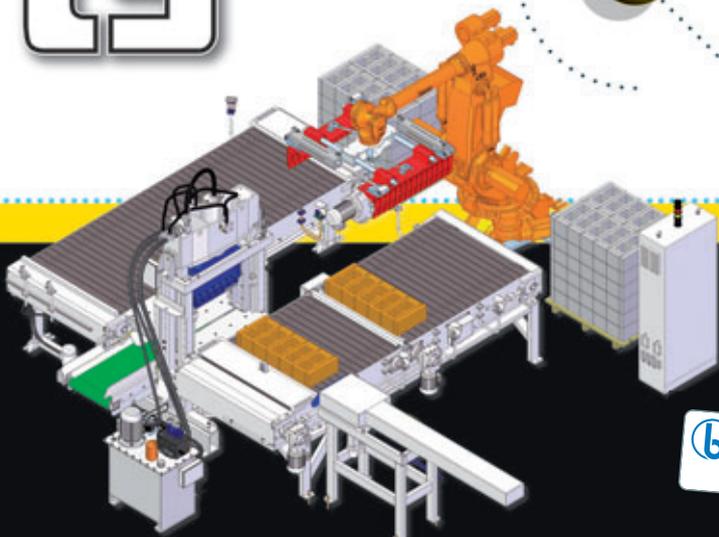
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TECHNO SPLIT

Complete lines for splitting concrete blocks

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