

Techno Split S.r.l., 38050 Ospedaletto (Trento), Italy

Dutch company Betonwarenindustrie Rouweler installs a new splitting system

Rouweler Beton is a member of the Morssinkhof Group, a supplier of high-quality concrete products for making representative, municipal and private outdoor works. Using the name Brinkman baksteencentrum, the Morssinkhof Group also provides clinker for façades, clinker for floors and tiles and, using the name TuinVisie, a complete range for garden furnishing. The group has 190 collaborators and six production and sales facilities.

The splitting system delivered to Betonwarenindustrie Rouweler B.v. at Enter DC in the Netherlands is a modern and functional system which, in a single cycle, can split blocks at 90 degrees without resorting to a second machine. The rotating table allows the blocks to be turned and repositioned under the blade so that the two remaining faces of the block can be split.

The compactness of a model with the TS brand allows a production system even in tight spaces. Like every Techno Split model, the splitting machine has a double structure that guarantees solidity and sturdiness, as well as a splitting guide that ensures a superb result and a longer working life. The precision of each conveyer and therefore the advance of the

pusher bars fitted on the chain are ensured by gear motor and inverters of demonstrated quality like the SEW Eurodrive brand. The system can operate in manual, semi-automatic or fully automatic mode. In particular, the automatic cycle allows the splitting of concrete products, of various shapes and sizes, and it consists of splitting and then selecting the product, discarding any pieces that do not comply with the quality standards. The line can be manned by a single operator (1), in charge of checking and operating the line.

Loading

The concrete blocks (2) are loaded onto the table (3) of the conveyor at input by a gripper (4) belonging to an automated line located upstream.

Cycle

The operator (1) starts the work cycle from the desk P1 (5), the starting conditions are:

- System free and mechanical parts in position.
- Emergency devices active.

Then the pusher (6) positions the blocks under the splitter (7), where the blocks are split. The program recognises the product at output and establishes whether it is a reject or a standard product. If the product is standard, it proceeds to the rotating table (8) at output.

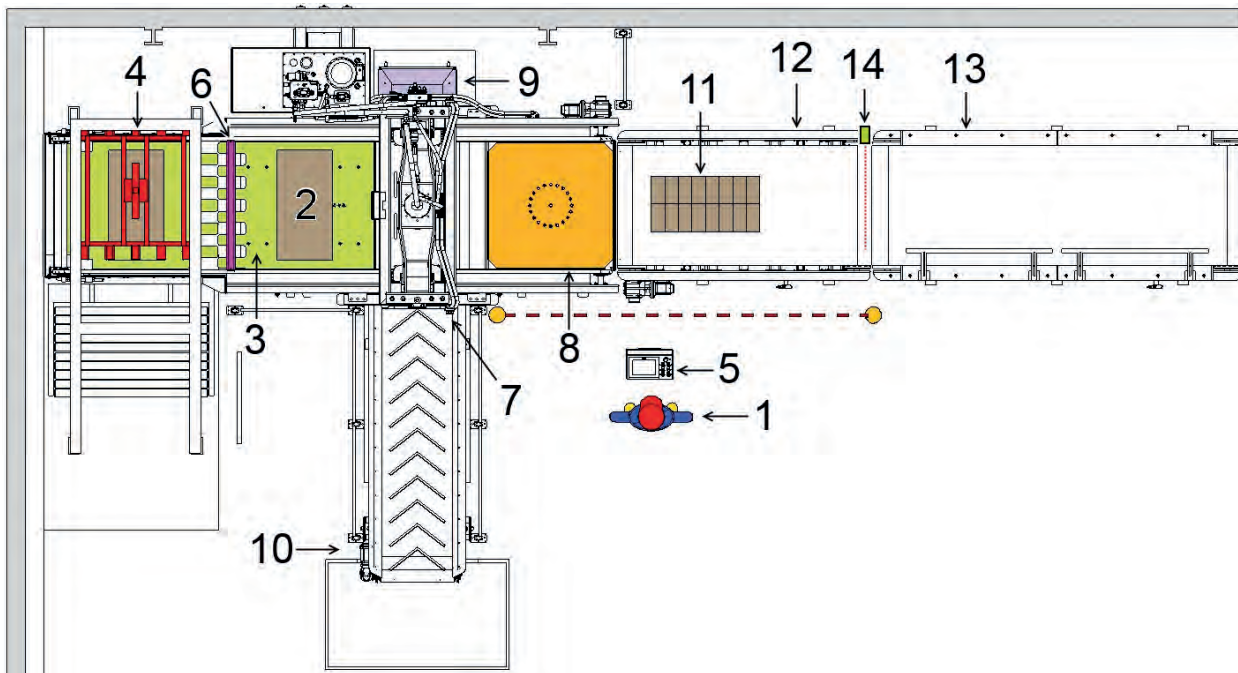
If it is a reject, the rotating table (8) at output moves away from the splitter table, allowing the reject to be evacuated onto the horizontal belt (9). The reject then proceeds onto the inclined belt (10) and is evacuated in a dedicated space.

When it arrives on the rotating table at output, the split block has two different developments:

- It proceeds onto the conveyor belt (12) and then into the downstream line (13).
- Or it is split in the opposite direction. To perform this operation the rotating table is raised, rotates through 90° and returns into position. After rotation, the pusher (6) returns the set of blocks under the splitter so that they can be processed in the opposite direction. If there are any rejects, the program evacuates them by opening the bench (3) of the conveyor belt at input. After this operation, the set of blocks is returned onto the rotating table (8) at output to continue into the downstream line.



The Dutch company Betonwarenindustrie Rouweler installs a modern and functional system with the Techno Split brand.



The line can be manned by a single operator (1), in charge of checking and operating the line.

Downstream line

When the product is finished (11), the rotating table opens to allow the pusher to bring the set of blocks onto the conveyor belt (12), which proceeds until the belt full photocell (14) is engaged.

When the photocell (14) is engaged for a certain time, consent is given to the downstream line (13) to let the products continue.

FURTHER INFORMATION



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20
years



Complete lines for splitting concrete blocks

