

CALIBRATION AND GRINDING MACHINES, SERIES M50 BLOCK, FOR BLOCKS AND SLABS IN AGGLOMERATE CONCRETE

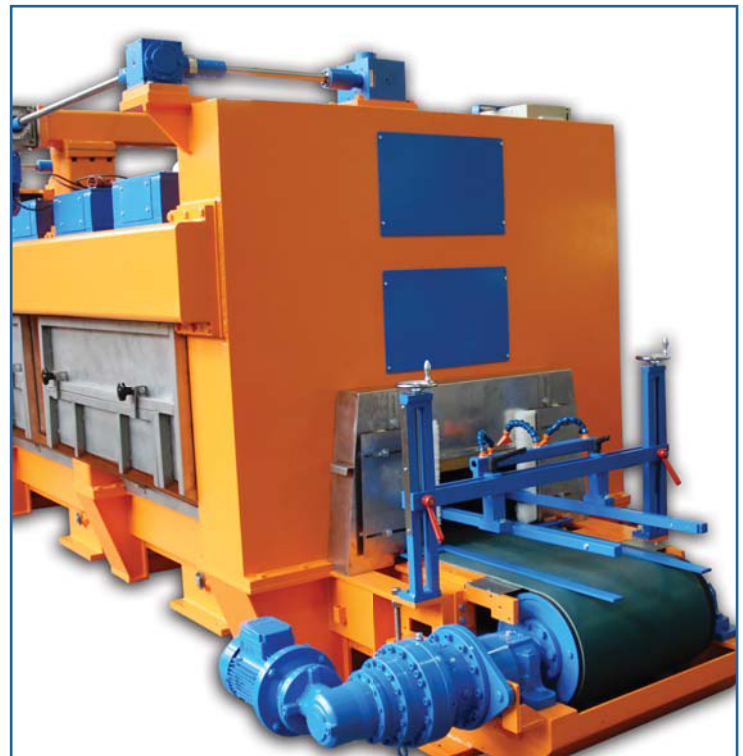
M50 BLOCK MODEL



TECHNICAL DATA

- Possibility to use diamond tools or silicon carbide tools
- Number of working heads: up to 6
- Abrasive tool diameter: 640 mm (25 inches)
- Applicable heads power: up to 50 hp
- Belt width for material transfer: 550 mm (22 inches)
- Workable width: 530 mm (21 inches)
- Thickness of items to be worked: from 25 mm (1 inch) up to 400 mm (16 inches)
- Transfer belt speed: up to 6 m per minute (20 feet per minute)
- Water use: 2.5/3 cubic meters (660/792 gallons) per hour per working head.

M 50 BLOCK, VIEW OF BLOCK ENTRY AND BLOCK EXIT



As an absolutely innovation in agglomerate concrete blocks, we are proud to present to the operators of the sector the new grinding machine M 50 BLOCK.

Designing and building this machine, unique in its gender, we intended to give a definitive answer, without any compromise, for the manufacturers of calibrated and grinded blocks to the following issues:

- 1 - Possibility to grind and polish products with thickness in a very large range: from 25 mm (1 inch) up to a more standard thickness of 200 mm (8 inches) and also block ends at 400mm (16 inches) and more, obviously including intermediate thicknesses.
- 2 - Easy machine setting to prepare the grinding of lots with different thickness without complex tunings and abrasive tools spacers use.
- 3 - Together with the above the possibility to install onto the grinding heads high powers that allow to use a wide range of abrasive tools and to get unexceptionable quality levels for the final product.

The answer is the new M 50 BLOCK.

Peculiar characteristic of the new machine is a structural beam with very high robustness and stiffness carrying the working heads, that

disposes of a vertical excursion trough slides applied to structural pillars at the two ends of the machine. This servo assisted system allows to move in the best position the working heads in order to cope the thickness of the items to be grinded. The beam positioning is controlled from the machine control panel where it is possible to set the desired working position through a keyboard. Once the beam reaches the requested position it is locked on to the slides by hydraulic brakes that give high stiffness to the assembly.

Each working head has its own vertical movement electronically controlled, that produces the working pressure of the tools with a complete use of them. The working heads, in variable number upon customer choice, can install diamond tools or abrasive stones in silicon carbide and motor powers up to 50 HP.

The blocks are transferred under the heads by a reinforced PVC belt that slides onto anti wear plates at speed controlled electronically from the machine control panel. During grinding the blocks are laterally hold back by guides which position can be set upon the blocks dimension.

The grinding surfaces are cooled by water injection at the contact point with the grinding tools.

