



REFRESH, UPGRADE, PERFORM

Tile production line improvements



MTC INVERTERISATION

SACMI for energy savings

With the conversion of the **motor drive** and the introduction of the **new electrical panels** with inverters, you maximise energy efficiency and slip stability in your MTC continuous mill.



Optimized consumption
management

ADVANTAGES

- Lower maintenance costs
- Energy saving
- No power factor variation in power supply
- New features thanks to increased automation:
 1. Constant power (residual stability)
 2. Recipe percentage (easy adjustments)
 3. Water density and slip measurement (energy savings in ATM)

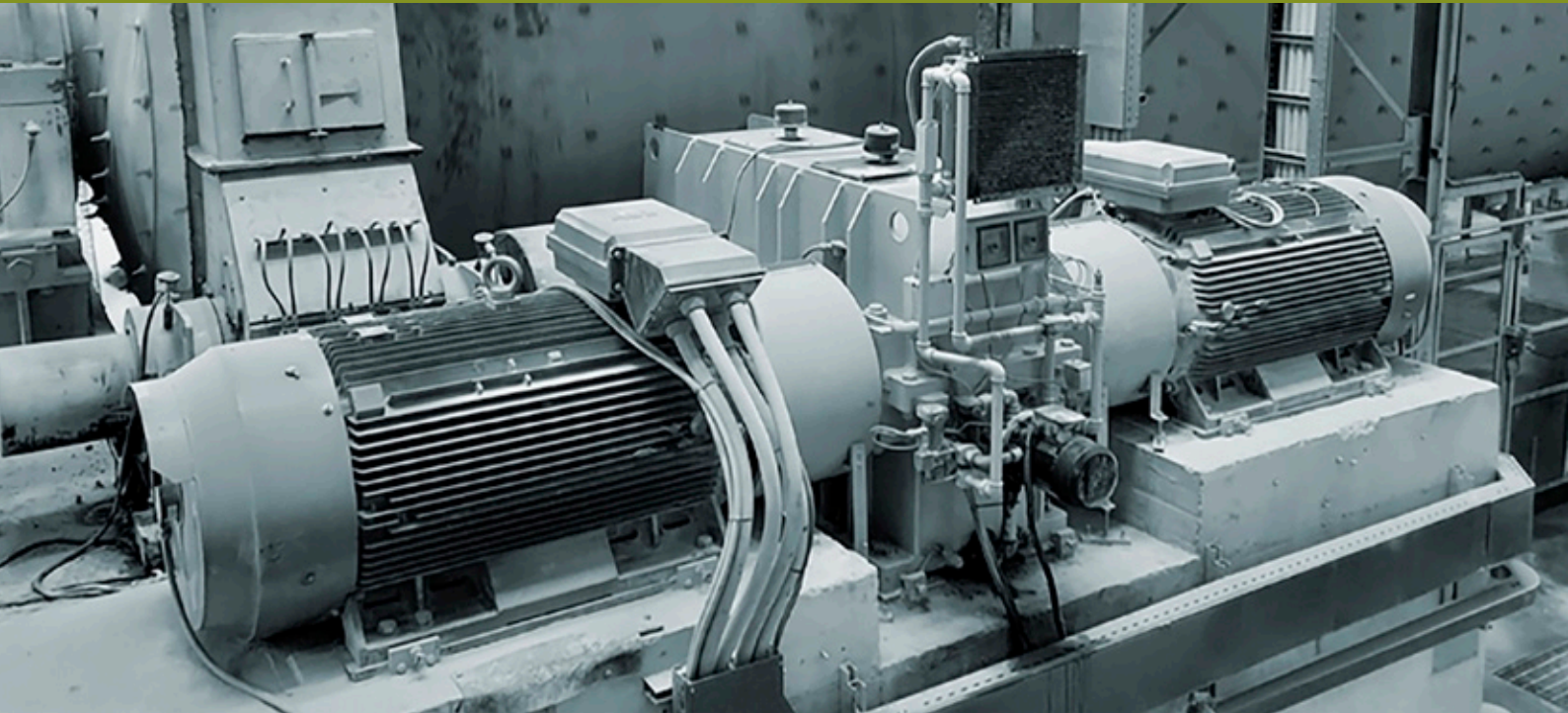


See other revamping
solutions for body preparation



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Technical features

In **belt drive units**, the work consists in removing the starter unit and replacing the hydraulic coupling with a pin bush coupling. In **corona discharge motor drive units**, water-cooled DC motors are replaced with servo-assisted or self-ventilated AC motors.

Fewer components and a softer start **minimise maintenance and spare parts costs**. In addition, considerable **energy savings** are achieved due to the higher efficiency of the inverter drive.

New features are also introduced with the new control panel:

- **Constant power:** the speed changes according to the level of grinding bodies and viscosity, so that a constant grinding residue is achieved ---> better product quality
- **Recipe percentage:** based on the required dry product throughput, the program automatically calculates the mill inlet flow rates (raw materials, water and deflocculant)
- **Water density control:** the recipe percentage takes into account the dry product present in the feed water to obtain a constant slip density ---> energy savings during atomisation
- **Slip density control:** continuous measurement of slip density/viscosity at mill outlet, with possible automatic recipe correction.