



REFRESH, UPGRADE, PERFORM

Tile production line improvements



REVAMPING SLIP PUMPS INVERTER AND CENTRIFUGE

SACMI for flexibility



Extended capabilities

With the inverter application in the fixed displacement pump for slip feeding, process quality can be improved and energy can be saved.

ADVANTAGES

INVERTER APPLICATION

- Energy savings of up to 10% compared to using a fixed displacement pump
- Much smoother piston exchange
- Lower pressure losses in the oil circuit lead to energy savings
- Thanks to the elimination of the variable displacement pump in the hydraulic control unit, reduction of routine maintenance

CENTRIFUGAL PUMP

- Drastic reduction in floor space
- Reduction of routine maintenance

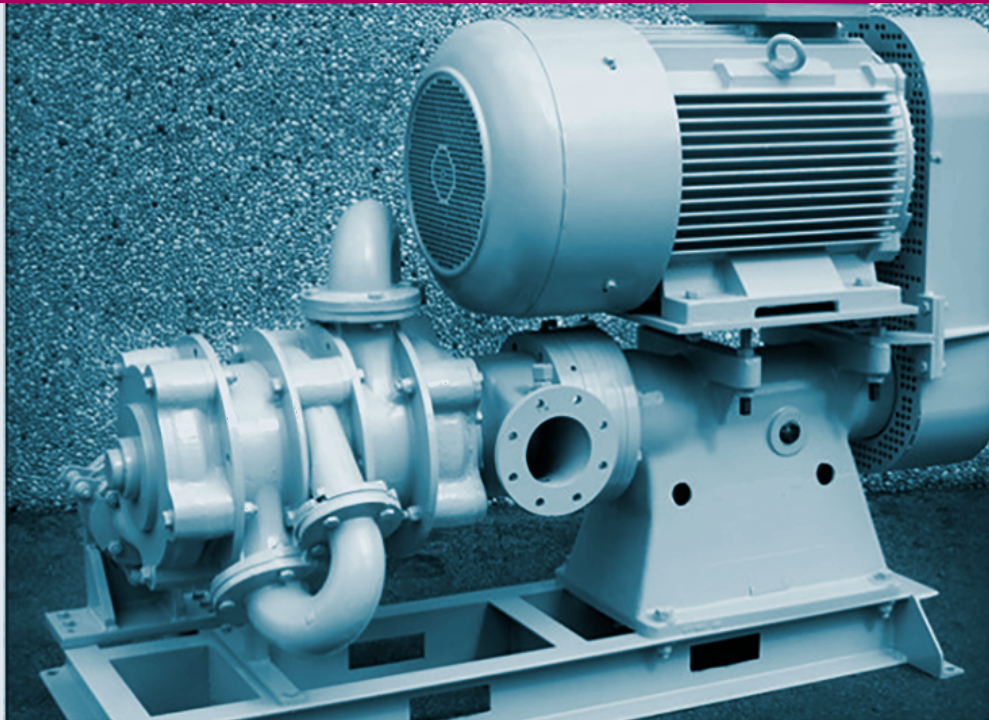
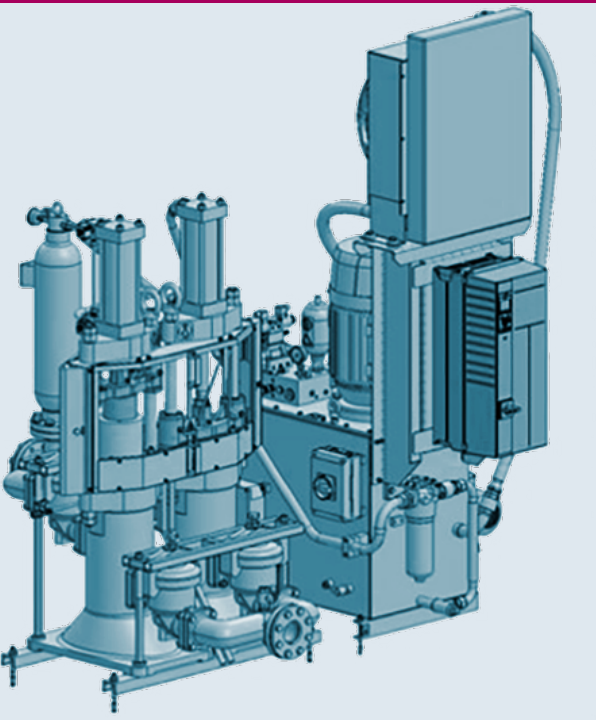
See other revamping solutions
for powder preparation





REFRESH, UPGRADE, PERFORM

Tile production line improvements



REVAMPING SLIP PUMPS INVERTER AND CENTRIFUGE

Technical features

The main intervention consists of **installing an inverter in the fixed displacement pump motor** and eliminating the variable displacement pump in the hydraulic control unit (alternatively, an existing fixed displacement pump control unit can be provided with an inverter). It is possible to supply a field inverter, or a classic inverter to be placed inside an electrical panel. With the inverter-controlled fixed displacement pump, it is possible to **modulate the hydraulic oil supply to the cylinders** by adjusting the rotation speed of the electric motor of the hydraulic pump. The intervention includes checking, together with the customer, the most suitable spaces for positioning the inverter.

An alternative solution involves replacing current pumps with **centrifugal pumps**. This significantly reduces the need for **adjustment and routine maintenance**, freeing up resources in the specialist personnel who can thus be dedicated to other tasks. The centrifugal pump option also minimises the required floor space.

