



REFRESH, UPGRADE, PERFORM

Kiln improvements

KILN CONVERSION KIT: FROM FMA TO FMD

SACMI for enhanced process control and quality

This modification lets producers measure and adjust air and gas flows to the burners via the supervisor to match the firing recipe, making the kiln 'digital'.



Process consistency

ADVANTAGES

- Quality: higher percentage of 1st class products, fewer rejects
- Consumption is optimised according to the specific product, with savings of 2 - 5%
- Simplicity. Air/gas ratio adjustments are no longer manual but made by the PC. Complete control of the process
- Repeatability and flexibility. Replicable production conditions and flexible kiln control
- Digitalization. Users can 'digitalize' the Nm³/h of air/gas at the burner groups and the inlet/outlet air volumes with the relative temperatures (real-time thermal balance)
- The system features comprehensive display of information and remote control
- Recipes. Firing recipes can be optimized for each specific product/size and set automatically by the plant Supervisor
- Required tasks. Once the initial adjustments have been made, workers no longer need to intervene locally when changing the product/size (as long as the relative recipes have already been implemented)
- Ready - with further modification - to switch from natural gas to hydrogen



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Technical features

With this modification, air and gas flows are measured and modulated independently on each burner group. Gas flow is adjusted automatically to maintain the temperature at the various points in the firing channel; air flow is adjusted automatically to maintain the combustion ratio set for that burner group (oxidizing, stoichiometric, slightly reducing).