



# REFRESH, UPGRADE, PERFORM

## Kiln improvements

# KILN FANS INVERTER

SACMI for energy savings

SACMI installs inverters on kiln fan motors to optimize energy consumption in relation to the firing recipe.



Optimized consumption  
management

## ADVANTAGES

- Lower inrush current and consequently less stress on electrical devices
- Lower electricity consumption
- Management and maintenance savings because there are fewer devices (contactors, overload safety devices, modulating valve)
- Operation at higher frequencies possible, avoiding recourse to larger fans
- Soft start/stop, so fewer mechanical stress problems



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## Technical features

There are two types of operation with inverter:

- Inverter frequency set manually by operator
- Inverter frequency adjusted automatically via set point and detected value (pressure, temperature or humidity). The set point can be associated with the recipe

	<b>OPERATING POINT WITHOUT INVERTER</b>	<b>SHUTTERING WITH INVERTER-CONTROLLED ADJUSTMENT (40 HZ)</b>
<b>RPM</b>	1916	1530
<b>ABSORBED POWER (kW)</b>	12.7	7.7

