



REFRESH, UPGRADE, PERFORM

Tile production line improvements



Optimized consumption
management

DECARBONISATION

SACMI for energy savings

To support the ceramic industry's decarbonisation goals, SACMI has developed a new generation of thermal machines equipped to operate with alternative fuels and renewable energy sources. These include the new generation of “zero emission” CO2 ATMs.

ADVANTAGES

- With the use of renewable sources (electricity and hydrogen), it is possible to reduce up to 100% the CO2 emissions
- Production continuity under all conditions thanks to “hybrid” configuration (electric-methane, hydrogen-methane)
- Flexible adaptation to any layout
- Possibility of also working on existing machines

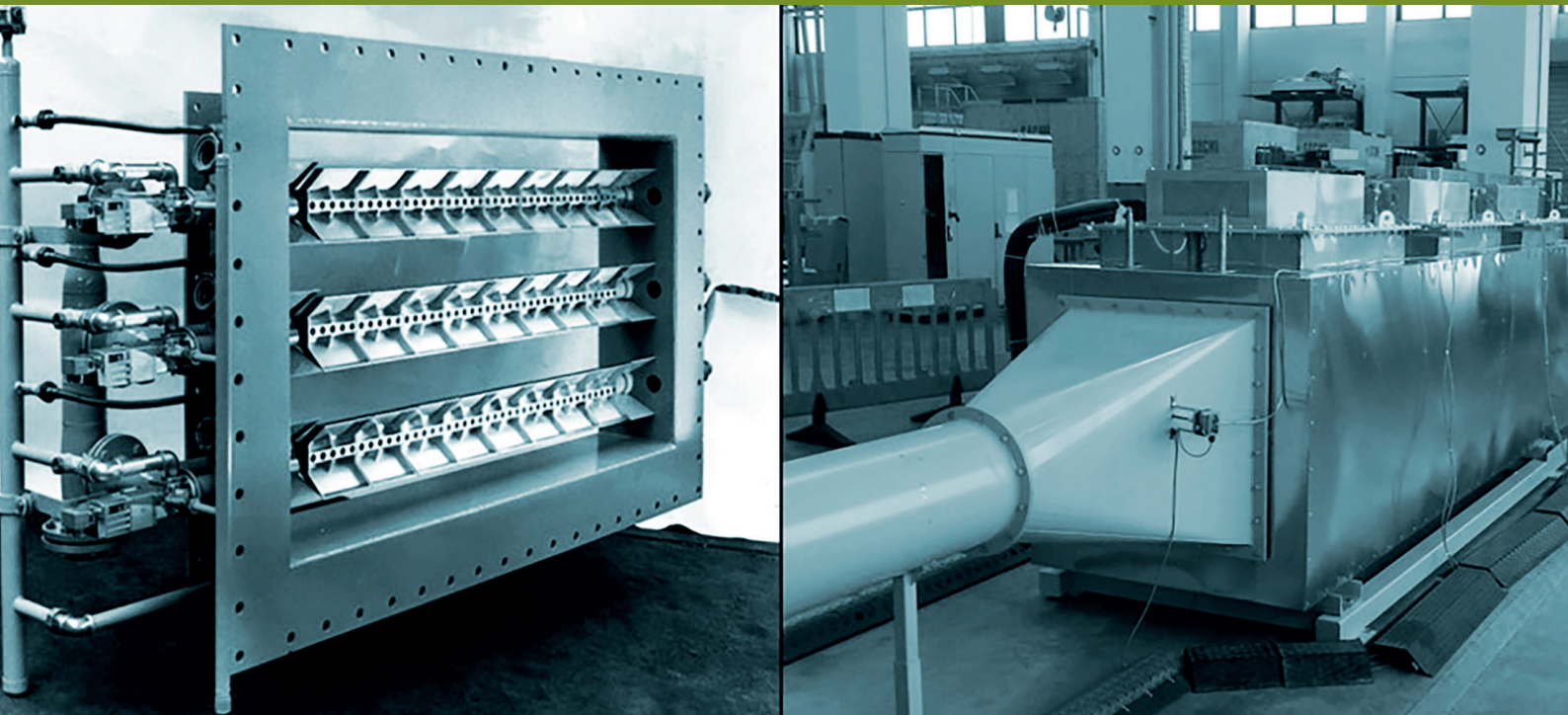
See other revamping solutions
for powder preparation





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DECARBONISATION

Technical features

The goal of total decarbonisation of the ceramics industry by 2050, set by the European Union, accompanied by increasing volatility in the costs of fossil fuels, has forced the rethinking of thermal processes to adapt them to new renewable energy sources, also in anticipation of incentives for their use.

SACMI has developed a CO₂ “zero emissions” ATM range.

- Installation of new burners capable of operating with varying mixes of methane and hydrogen and with **up to 100% pure hydrogen**;
- Partial or total electrification by integrating the new **electric modules** into the sprayer.

The intervention enhances customers' investments in **self-generation of energy** (e.g. photovoltaic roofs, cogeneration, hydrogen electrolyser).

All new solutions have been developed to ensure **continuity under all production conditions**. In the case of electrification, the solution allows **automatic** (electric-methane) **switching** in the event of insufficient electrical power.

The intervention can also be carried out on **existing machines** (revamping).