

SLABS PRODUCTION AND FULL DIGITAL DECORATION CONTINUA+ AND TRADITIONAL PRESSING

NEW PLANT PROPOSALS

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In order to compete in the global market of ceramic tiles it is necessary to propose a wide range of products and different size and decoration possibilities.

In parallel it is also important to limit production costs.

Each new logic of production must foresee a high flexibility and to this purpose Sacmi proposes plant solutions based on the new available technologies.

One is surely represented by Digital Decoration, which allows easy realisation of a great number of products having excellent aesthetical quality with competitive costs.

A second opportunity is represented by plants for Large Sizes, which considerably simplify the production flow and allow to produce a great variety of modular sub-sizes.

Digital Decoration

The Digital Decoration has already widely established thanks to its unquestionable advantages, which hugely overcome the initial problems.

High graphic resolution, easy realization of prototypes and product changes, decoration without contact even on structured surfaces, little production lots,, limited production costs.

So far the introduction of Digital Decoration occurred with two main aims:

- simplify the decoration lines and realise products of good quality with a lower number of applications
- implement the digital machines on the existing lines, by integrating traditional applications

On the contrary, the real revolution in glazing will be possible thanks to the introduction of full digital decoration, with effective reduction of lines length, greater automation, opportunity of connecting the effects deriving from both dry and wet decoration and easier running.

Therefore, the digital decoration aims at the application of traditional glazes and engobes but above all at the realisation of ceramic surfaces having new chromatic/optical (glossy/matt, iridescent effects, ...) and tridimensional (relief structure) effects.

Lines for Large Sizes

Sacmi plant proposal, with the aim of achieving the highest production flexibility, is represented by recent introduction of lines for large size porcelain slabs.

The advantages of a plant for large sizes are: easy running, higher quality of achievable products, possibility of producing modular sub-sizes by cutting without any die change, reduction of the number of stored finished products.

The most typical large size is 1200x1200 without doubt, which is multiple of standard 600 and 300-sizes.

The size 900x1800 is also interesting for exploiting the space between press columns.

Anyhow the large size par excellence is 3000x1500, with several combinations of interesting submultiples.

On the contrary, the production of only one size at kiln outlet hugely reduces warehouse cost (an intermediate warehouse is enough) but then the cutting costs are higher.

Sacmi proposals for the production of large sizes are:

- traditional line with PH10000 and fast die change, in case
- Continua+

Traditional line with PH10000 and fast die change

It allows the realisation of 1200x1800-max. size and any thickness (3÷30 mm) with output up to 10.000 m²/day.

Continua+

It is the NEWEST compacting technology by roller from Sacmi, which allows to produce very large sizes (up to 1600x"unlimited"). It is suitable for thickness ranging from 3 to 20 mm, in function of which it is possible to achieve very high output (12.000 m²/day).

In particular, the new Continua+ technology shows a simple, linear and automated working flow and perfectly integrating with Digital Decoration technologies, such as Dry Digital Decoration, Digital Glazing and Inkjet Decoration.

As a consequence, Sacmi believes the production lines for Large Sizes integrated with digital technologies represent a valid solution for the development requests of the ceramic market because it deals with highly flexible solutions, able to realise products with high added value and with limited costs.

