DRY COLOURING PLANTS FOR PORCELAIN STONEWARE

This is a dry colouring process for porcelain stoneware bases which enables any glazed or technical stoneware body to be coloured in a homogeneous and highly effective way. The quick maintenance and easy colour change are a major breakthrough in simplifying porcelain stoneware processing plants; moreover the application in existing plants is simple and it prevents the requirement of huge quantities of silos.

Thanks to the contribution and support of the most prominent pigment and glaze manufacturers, our Company is recognised to be the most advanced in such a specific field.

COLOR DRY

From the very beginning, porcelain stoneware technology has forced manufacturers to buy expensive spray drying systems for producing coloured powder as well as storage, weighing and mixing systems complete with large amounts of conveyor belts, elevators and stainless-steel silos.
The limited flexibility and very high operating costs have become even worse in recent years, due to market demand for an increasingly diversified and complete range of products.

However, using the COLOR DRY technology (a system that was patented back in 1994) neutral spray dried powders can be coloured before press feeding, thereby increasing production flexibility and dramatically reducing investment and production costs.

HOW THIS WORKS

Colouring is performed as a non-stop process based on the mechanical fluidisation of the neutral spray dried powder and using colouring oxides that are introduced into the colouring unit with ultimate precision dosing and weighing systems.

The centrifugal force obtained by controlled rotation inside the colouring unit gels the three-dimensional projection of powders and ensures powder permeation as well as homogenisation in a very short time.

For this reason, the COLOR DRY technology allows production of coloured powder with the same tone and the time through consistent degree of repeatability, and with a wide range of tones starting from the four base colours.

The system is controlled via user-friendly software, complete with formula filing including feeding, dosing, weighing and colouring parameters as well as the possible press multifeeding function.
AT THE HEART OF TECHNOLOGY

The only really UNIFORM COLOURING is the one granted by the COLOR DRY patented technology, which enables:

- Same tone through time
- Colour permeation in the spray dried powder
- Maintaining of feed base size range and humidity content

Color Dry is the winning solution in obtaining a wider range of technical, rustic, glazed and polished products.

The data shown is indicative and may vary without notice