



## **STEADY RESEARCH AND INNOVATION**

From early 2000s, FINCIBEC has been among the first companies - within its steady research and innovation program - to be involved in the study of digital decoration without contact with the target of realizing, in ceramics, too, more and more natural products, free from restraints and artificiality of obsolete traditional decoration technologies.

The project has been subject to a long and complicated research, involving both the study of application and operating systems and a radical evolution of inks and colouring oxides, as "nanopigments" were necessary to withstand and go beyond temperatures of over 1200°C, typical of floor and wall technical ceramic sintering.

## **NEW FRONTIER OF CERAMIC DECORATION**

- High resolution image transfer with very delicate colour shades and harmonious hues.
- Over 25 m<sup>2</sup> of graphic development, for continuous and practically endless chromatic and decorating variations, avoiding the unnatural subject repetitions that were typical of the traditional silk-screen printing.
- Possibility of treating both flat and relief surfaces, without contact, with edge end decorations to avoid unpleasant margins.
- Total oxide use, till complete consumption; rationalizing and saving of the used raw materials; removal of consumables no longer necessary, with following decrease in scraps and residues to be disposed of; all this according to the "ecology care" industrial policy by FINCIBEC, aimed at protecting environment and cautiously using natural resources.

## **A MORE EVOLVED PRODUCT GENERATION**

All factories of the FINCIBEC group are nowadays equipped with devices for decoration without contact "**DIGITAL INK SYSTEM**" able to reproduce on the modern ceramic material the taste and emotions of natural stones, marble, fabrics, wood, paintings, mosaic and more traditional ceramics.

A new horizon opens with "**DIGITAL INK SYSTEM**" for the great ceramic versatility.