

Esmalaglass-Itaca is committed to the sustainable future of the ceramic industry through Digital Glass and its Natural Set.

Ecological and cutting-edge proposals to transform the industrial sector.

Creativity, cutting-edge design, and sustainability are the characteristics that summarize Esmalaglass-Itaca's proposals for a ceramic market that needs to reduce its environmental footprint and to which it offers sustainable, high-quality solutions.

“Water and its consumption in the world are not unlimited.” This principle has led Esmalaglass to launch the Think Water project, through which it has managed to optimize the use of every drop of water in digital glazing processes, thanks to innovation and the use of new technologies.

The company, a pioneer in cutting-edge solutions worldwide, presents through DigitalGlass and its Natural set innovative products that allow reducing water consumption by up to ten times in production processes with digital glazes while eliminating odors emitted into the atmosphere. All this is thanks to constant research and the use of new technologies in a company that has led the global market for over forty years.

With DigitalGlass, a water-based, sustainable, and eco-efficient solution, traditional glazing is ended, while achieving cutting-edge designs with unlimited creativity and surfaces and textures of excellent quality with a broader color range. A fully digital process that improves the quality and aesthetics of the product, as confirmed by all the certifications obtained from print head manufacturers. It is undoubtedly a cutting-edge proposal that also gathers other vitally important properties in economic terms for companies in the sector, making it a unique and high-value-added solution within the sector of frits, glazes, and digital inks. With DigitalGlass, waste is eliminated, and operational and logistical costs, as well as market adaptation and adjustment time, are reduced. Economic advantages for companies that not only seek to optimize their production processes and save costs but also improve the quality of their products while caring for the environment to stay at the forefront of a highly competitive market.

This solution represents not only a technological change but a true revolution in the history of the ceramic industry.

Along with DigitalGlass, Esmalaglass-Itaca launches its Natural Set, a proposal that enhances color intensity, achieves cleaner tones improving the chromatic space, increases the brightness or

darkness of the product, and therefore saves on the cost of inks. This Natural set, which reduces emissions to the atmosphere and eliminates the smell at the chimneys' output, allows digital applications of greater weight and effects that would be impossible to achieve with traditional inks.

Alongside these proposals, the company launches other solutions such as Shape Grift & Shape Ink opaques for digital reliefs that achieve greater volume, better definition with better support coverage, and capable of achieving an infinite number of textures and finishes and Infinity grit, a new solution to create natural and unique textures on ceramic pieces where a single grit achieves different nuances on the ceramic surfaces. Infinity grit is a versatile solution valid for any technology.

THE COMPANY

The company Esmalglass-Itaca is a globally prestigious brand, an international reference in the field of R&D&I both for its products and for the quality services it offers to its clients, whom it accompanies in their growth, evolution, and transformation to stay at the forefront of the market.

Through all its proposals, it confirms its commitment to environmental care and its responsibility in terms of sustainability and competitiveness through innovation and the use of new technologies.

Belonging to the Altadia Group, it offers cutting-edge global solutions in all fields of the ceramic industry, manufacturing and marketing frits, glazes, inks, and ceramic colors.

Through its more than forty years of history, it has demonstrated its great ability to offer its customers the best solutions adapted to each moment, thanks to innovation, continuous improvement, and a team of solid, modern, and dynamic professionals.