

Flat and curved applications converge in **KERAGLASS** technology



Curved glass is gaining ground across industries. KERAGLASS is addressing exactly that demand with a furnace system that processes flat, cylindrical and spherical glass with precision, flexibility and repeatability. Supported by consulting and after-sales service, today the technology combines production efficiency, optical quality and design potential.

As glass processing continues to evolve, tempered curved glass has become one of the most sought-after solutions across sectors ranging from automotive and architecture to home appliances and interior design. In response to that demand, Keraglass has developed Visionbend, a bending and tempering furnace designed to process flat glass, cylindrical curved glass and spherical curved glass with flexibility and consistent quality. The system combines two forming technologies in a single industrial platform, aiming to deliver precision, reliability and repeatability. Drawing on more than 30 years of experience in glass bending and tempering, Keraglass has been refining each stage of production to meet the requirements of contemporary industry.

ADVANCED FORMING TECHNOLOGY

At the heart of the system are two complementary technologies. K-PRESS, developed for precision

spherical bending, is based on a continuous ring system that combines mold and press to produce stable, accurate spherical curvatures. Its off-set tempering layout and configurable hood system are designed to deliver strong optical quality and precise geometry, including on thin glass. For cylindrical bending, Keraglass uses K-ROLL, a bending roller

system engineered for continuous productivity and high-quality output. By reworking the traditional design, the company has created a system intended to improve reliability, precision and repeatability from piece to piece.

FLEXIBLE CONFIGURATIONS

The furnace can be config-

ured according to production requirements. It can operate in a unidirectional format, using one of the two technologies, or in a bidirectional configuration that integrates both within the same furnace while sharing the same heating and ventilation area. That flexibility extends beyond curved glass. The system can also process flat glass, allowing manufac-





turers to address the needs of different industries with a single production platform.

ONE FURNACE, ENDLESS POSSIBILITIES

The Keraglass bending system is designed to produce a broad range of geometries, including cylindrical and multi-radius curved glass, spherical and deep spherical curved glass, J-shaped glass and other complex curved forms without radius limitations. It also supports the production of tempered flat glass. Its capabilities are further expanded by a 500°C convection system that allows the processing of LOW-E glass with emissivity as low as 0.01, maintaining performance even when working with more delicate materials.

UNLIMITED APPLICATIONS

The range of possible applications reflects the growing role of curved glass in industrial design and manufacturing. In automotive, the emphasis is on precision and safety. In shower enclosures, the material supports clean, modern forms. In home appliances and display refrigeration units, it combines functionality with contemporary styling. In architecture and interior design, it contributes to more distinctive and visually ambitious projects.

AESTHETICS AND CUSTOM DESIGN

Curved glass is not only a technical solution but also a design tool. Its ability to

follow non-linear shapes makes it suitable for spaces that seek a lighter, more dynamic and more contemporary character. In this context, performance and visual quality are closely linked, with aesthetics becoming an integral part of the product's value.

KERAGLASS TECHNOLOGY AND SERVICE

Keraglass positions the system within a broader service model that includes technical consulting, system customisation and after-sales support. The company's approach is aimed at delivering tailored solutions that balance production efficiency with aesthetic quality,

helping clients translate project requirements into finished results.

FOR MORE INFO

With its spherical and cylindrical bending system, Keraglass presents a production solution built around flexibility and consistent quality across industrial sectors. Further technical information is available through the company's official channels and technical team.



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