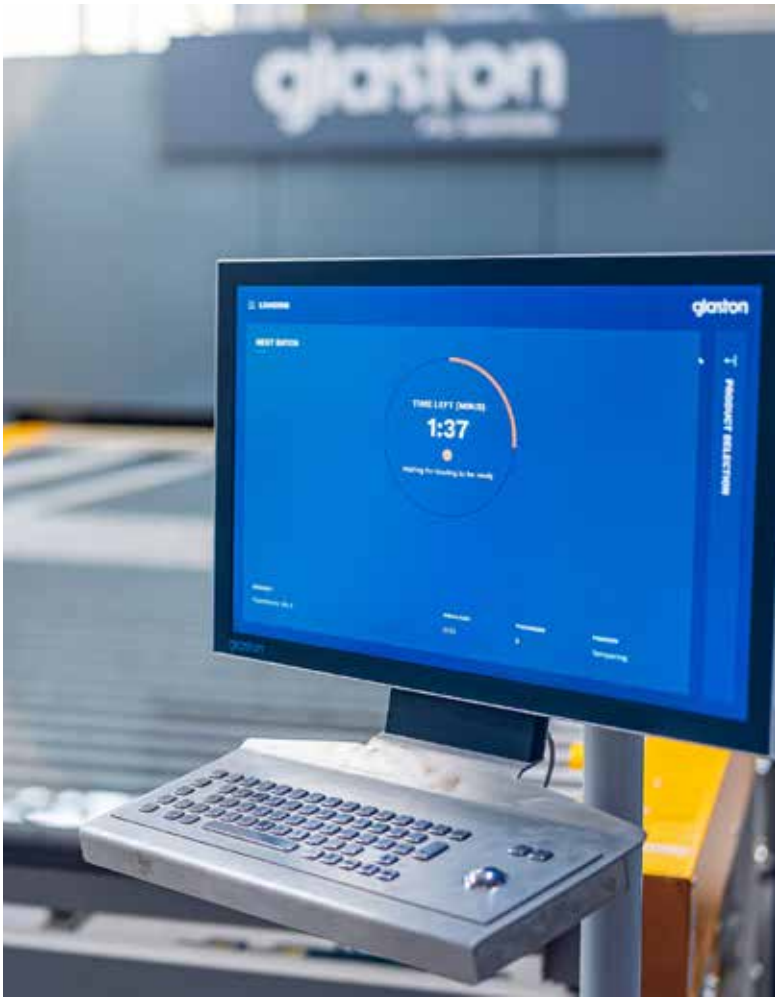
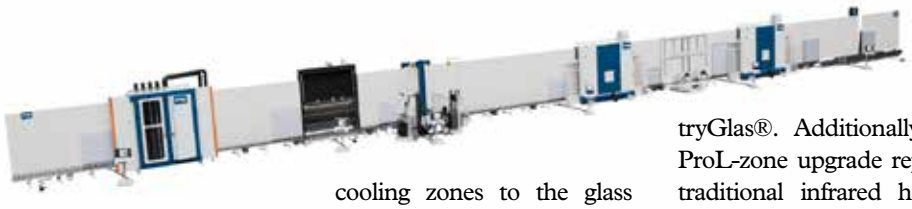
VITRUM 2025 to have GLASTON exhibiting both intelligence and efficiency

All set to present its comprehensive range of smart technologies and integrated solutions at VITRUM 2025, GLASTON will be showing how it is redefining glass processing across the tempering, laminating insulating and mobility glass sectors. Here the focus will be on automation, energy efficiency and superior product quality.



GLASS TEMPERING

At the heart of Glaston's offering is its next-generation FC Series E tempering line. Combining the advanced Bora convection system with enhanced energy management, it achieves precise heating across all glass types. This line introduces a higher degree of automation, enabling a consistently high-quality output, while its Roller Heat Control (RHC)



guarantees uniform roller temperatures - minimizing defects and reducing energy use. Among the company's latest breakthroughs in tempering is Autopilot, the first and only fully automated system for mixed production. It dynamically adjusts heating and cooling parameters based on glass type, size and load - eliminating operator dependency while maximizing efficiency. Further enhancing quality assurance is Online Stress Calculation, which delivers real-time, data-backed insights into hardening results. Glass Temperature Imaging will likewise be on display - a sophisticated tool for controlling Low-E glass temperatures without compromising production efficiency. In terms of optical performance, Anisotropy Control takes center stage by reducing anisotropy levels by up to 50 percent using intelligent airflow and heating management. Meanwhile, Adaptive Quench technology automatically adapts cooling zones to the glass load, significantly reducing energy consumption and carbon footprint. All these features are available as retrofit upgrades, underlining Glaston's commitment to sustainable innovation.

GLASS LAMINATING

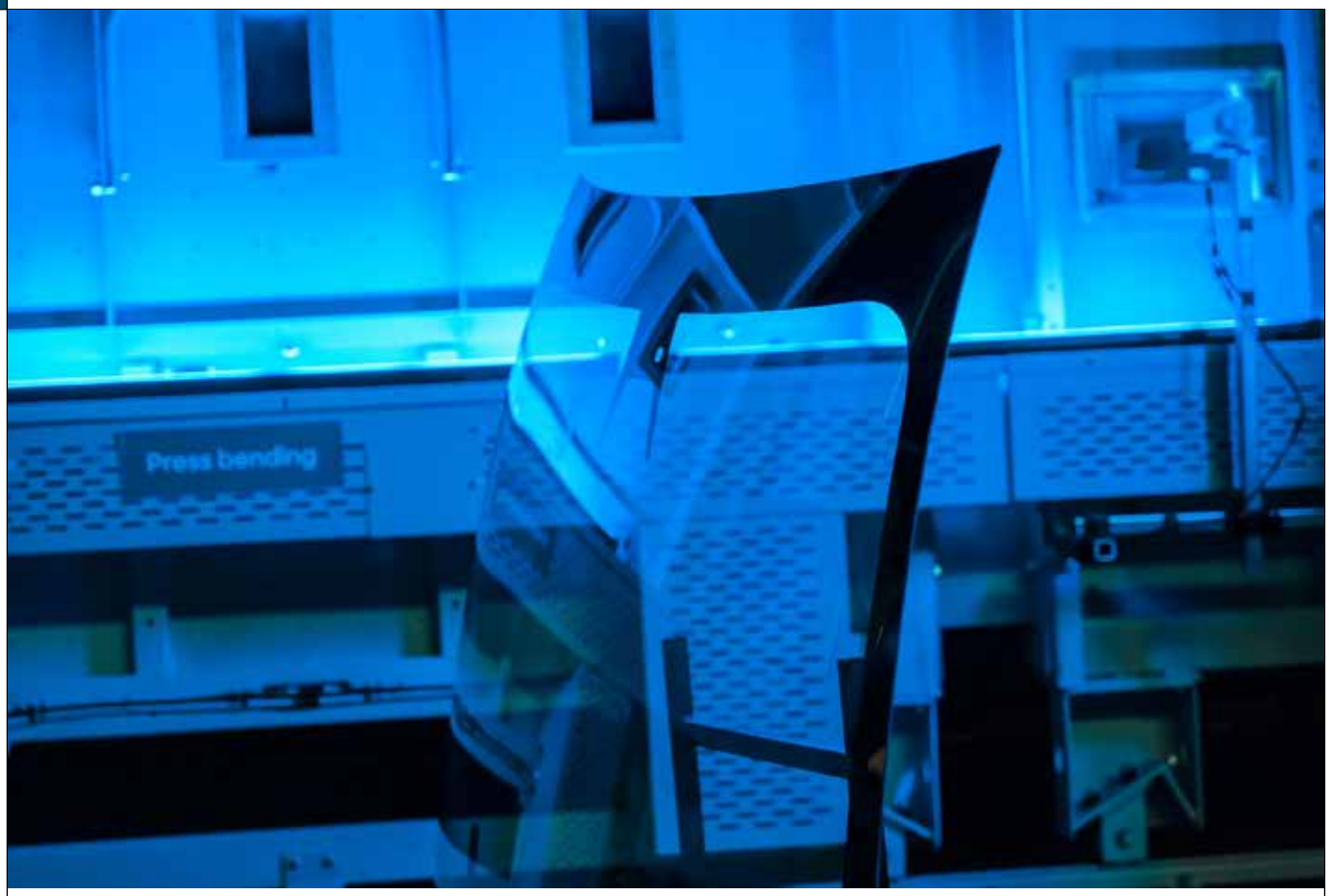
Glaston's ProL lamination line remains a benchmark in flexibility, especially for mixed production runs. Its convection heating chamber simplifies transitions between glass types, improving workflow. The newly introduced ProL SPEED edition boosts throughput by up to 40 percent and includes full automation for handling, foil placement and trimming. Enhancing structural performance, the patented ProL Convection Control ensures top-quality output even with robust laminates like SentryGlas®. Additionally, the ProL-zone upgrade replaces traditional infrared heating with convection, slashing energy consumption by at least 50 percent.

INSULATING GLASS MANUFACTURING

In insulating glass, Glaston sets new standards with its ULTRA TPS® line. Utilizing a patented method, the system can produce ultra-thin triple IGUs with a center lite just 0.5 mm thick - offering superior thermal insulation while maintaining the overall thickness of standard double units. This innovation benefits both new constructions and retrofit projects through improved light transmission and material efficiency. The line is also capable of producing quadruple IGUs with similar precision. The MUNTIN'MASTER complements this by automating muntin bar placement, removing manual steps whilst enhancing both productivity and accuracy.

MOBILITY GLASS PROCESSING

Glaston's automotive solutions include the CHAMP EVO for precise pre-processing, featuring energy-efficient drives and rapid changeover capabilities. The new MATRIX EVO automatic bending furnace ensures premium optical quality for complex mobility glass applications such as ADAS and HUD. Its modularity and active convection system support both energy savings and processing of advanced materials like borosilicate glass, prized for its strength and reduced weight.



AUTOMATION AND LIFECYCLE SERVICES

Automation extends beyond individual machines. Glaston Batch Optimization deploys robotics to create intelligent batch patterns, maximizing furnace bed utilization and throughput. These automation tools are tightly integrated with Glaston's mechanical systems and process intelligence, optimizing every production phase. To ensure long-term reliability, Glaston offers a full suite of upgrades and lifecycle services - helping customers retain peak performance, extend machine lifespans and keep operations aligned with evolving industry standards.

GLASTON AT VITRUM 2025

Industry professionals will be invited to explore these innovations firsthand at Booth #D13 E12 in Hall 9. Here Glaston's experts will be on hand throughout VITRUM 2025 to provide consultations and insights into the future of smart glass processing.

glaston

Lönnrotinkatu 11, FI-00120
Helsinki - FINLAND
Tel. +358-10-500-500
info@glaston.net
www.glaston.net

VITROSEP
SINCE 1992

INTRODUCING THE NEW **VITROSEP CC11**

CLEAN WATER

DRY WASTE

LOW VOLUME

www.vitrosep.com commercial@vitrosep.com (+34) 972 507 743