



TK Lamijet Hybrid Pro: the new era of glass lamination

With its TK Lamijet Hybrid Pro, a universal lamination system that combines hybrid heating, fast cooling, smart PLC control, modular scalability and refined industrial design, TK offers a flexible, energy-efficient alternative to traditional ovens and autoclave systems across safety glass production.



TK heating system

The glass industry is undergoing a clear transformation, moving from traditional EVA lamination ovens to universal lamination systems designed for flexibility and scalable productivity. With the launch of the TK Lamijet Hybrid Pro, TK introduces a solution that goes far beyond a simple equipment upgrade. This new range represents a strategic approach to lamination - delivering a comprehensive and integrated lamination line experience.

ONE OVEN, ALL INTERLAYERS. THE VERSATILITY OF A UNIVERSAL SYSTEM

The core principle driving TK is the ambitious goal of having one single oven to laminate every type of material. Modern processors increasingly require the flexibility to handle

EVA, PVB, SGP, TPU and complex multi-laminated glass without having to switch machines after a few years. This positions the Hybrid Pro as a future-proof investment, ensuring readiness for increasingly sophisticated architectural demands.

TK HYBRID TECHNOLOGY

The 'Hybrid' designation

represents a significant technical step forward. By combining radiation and convection heating technology, the Lamijet Hybrid Pro achieves exclusive process stability. This dual-system approach ensures perfect thermal distribution across all glass types, optimizes heating cycles, increases productivity and allows high-performance interlayers to be processed efficiently.

HEATING SYSTEM

Heating performance is driven by a multizone system for accurate temperature control. Each heating element is made from high-grade conductive material that efficiently converts electricity into heat. Independent heating zones deliver consistently homogeneous performance throughout the oven.

FAST COOLING SYSTEM

Because the end of the lamination cycle is critical for glass quality, a forced cool-

ing system is essential. This technology ensures superior transparency and structural integrity in laminated glass whilst significantly reducing overall cycle times and accelerating delivery to end customers. In addition, TK ovens feature industry-leading thermal insulation that minimizes heat dissipation, reduces energy costs through lower electricity loss and supports sustainable manufacturing via optimized energy consumption.

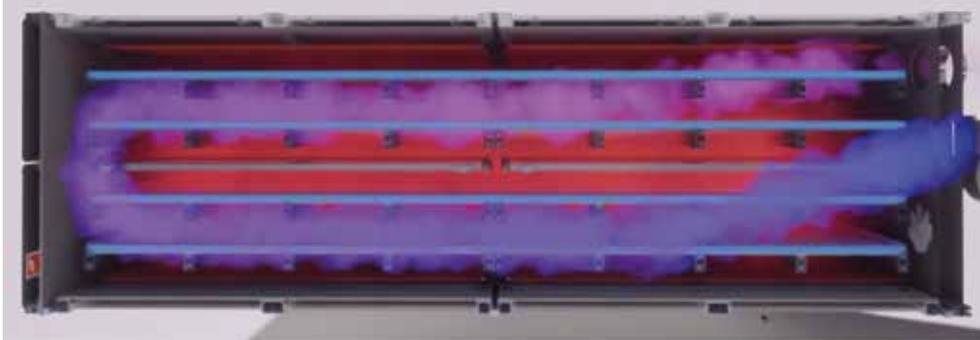
TKONNECT 4.0 AND PLC CONTROL: SMART, INTUITIVE PRODUCTION MANAGEMENT

The TKonnect 4.0 system, combined with intuitive PLC control, transforms the TK Lamijet Hybrid Pro into a smart, data-driven lamination system. Operators can remotely monitor and control production cycles via computer or smartphone, ensuring traceability, real-time supervision, consistent quality stand-





TK fast cooling system



ards and simplified daily workflows.

AN EFFICIENT ALTERNATIVE TO AUTOCLAVE SYSTEMS

Autoclave lamination requires high investment, significant operating costs and considerable plant space. The TK Lamijet Hybrid Pro offers an efficient alternative, covering a wide range of laminated glass applications with lower investment, reduced energy consumption and a smaller footprint. Efficiency is maintained even with small batch production.

MODULAR SCALABILITY: AN INVESTMENT DESIGNED TO GROW

The TK Lamijet range is structured into two tiers, with the Hybrid Pro serving as the premium universal version. Built on a modular concept, the system can grow from a single tray to multi-tray configurations or automated storage, protecting the initial investment over time.

AUTOMATION AND WORKFLOW INTEGRATION

Designed for seamless

workflow integration, the Hybrid Pro can operate as a semi-automatic or fully automatic lamination line. Motorized in-feed systems and PLC-managed tray swapping reduce human error and maximize uptime through automatic load exchange.

BUILT FOR INDUSTRIAL ENDURANCE

Engineered for continuous production, the Hybrid Pro is built exclusively with high-quality European components. It is Industry 5.0 ready and compatible

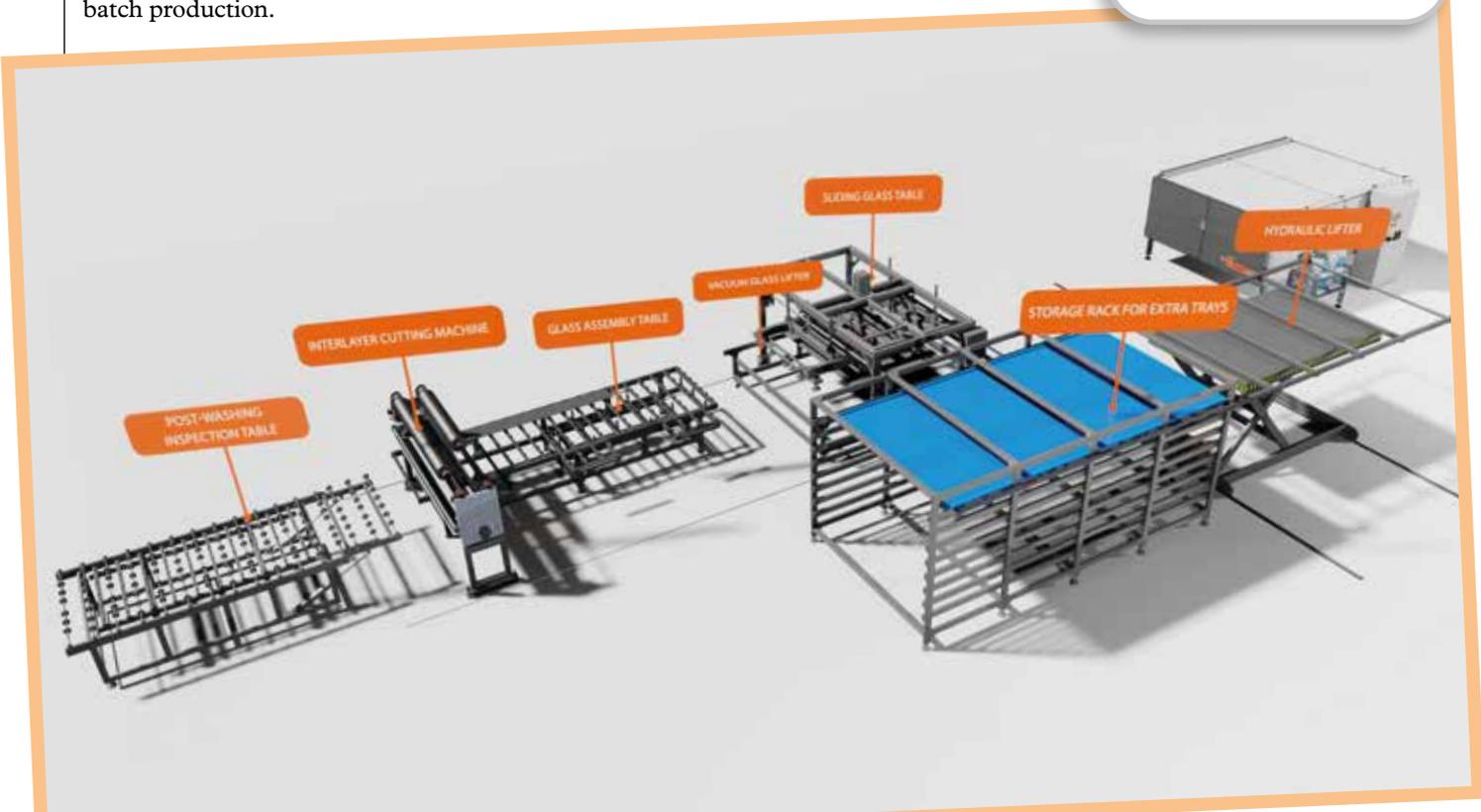
with smart factory IoT requirements.

A DEFINITIVE MARKET STATEMENT

The TK Lamijet Hybrid Pro represents a clear statement for the future of glass, balancing advanced automation, universal lamination capability and proven reliability. Its redesigned structure combines industrial power with refined aesthetics, setting a new benchmark for technological performance and industrial design in the safety glass sector.



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