



TK Lamijet: Italian excellence, courtesy of TK's modular innovation

The TK Lamijet product range represents most consequential Italian industrial excellence in safety glass lamination, where the Made in Italy design meets the artisan-level engineering of the TK team based in Erba (Como). Every oven is a product of rigorous local craftsmanship, built exclusively with high-quality materials of Italian or European origin. This commitment to local sourcing ensures that each unit is not only a masterpiece of mechanical reli-

ability but also a sustainable choice for modern glass processors.

MODULAR SCALABLE DESIGN

At the heart of the TK philosophy there is a unique approach to modularity that redefines factory evolution and production capacity. Every TK system is built on a scalable architectural concept that allows it to grow alongside a client's business. Starting from optimised predefined models, the TK

team can realise specific layouts tailored for personalised production flows. From smaller configurations designed for processors starting their own business or with reduced processing volumes, to Jumbo versions handling oversized glass sheets, thus extending TK modular capability to a massive scale.

TAILORED SOLUTIONS

This spatial intelligence is particularly evident in how

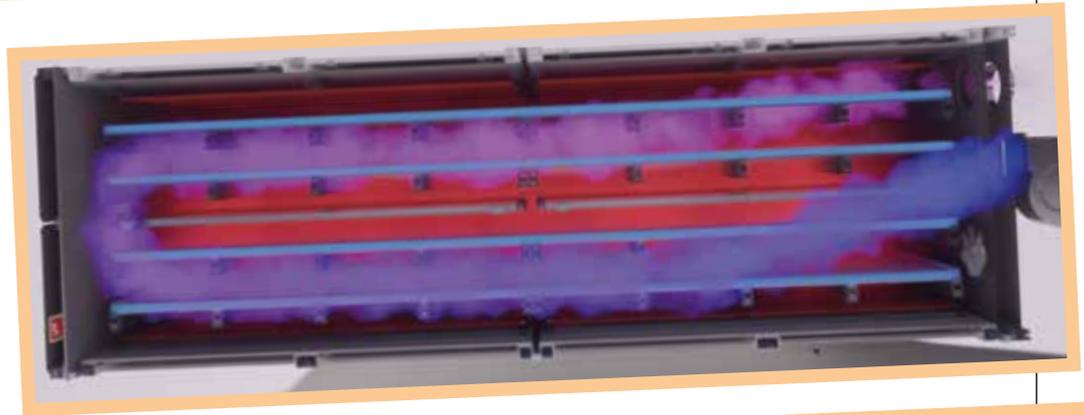
the system addresses factory constraints. Ovens can be configured with either front or lateral openings, ensuring a perfect fit even in restricted or unconventional layouts. Indeed it is precisely thanks to their unit-based construction and flexible modular concept that TK ovens are so easily handled and installed - being typically assembled directly on-site. This flexibility extends beyond physical dimensions into the very core of production efficiency.



A high-performance alternative to traditional autoclaves, the TK Lamijet features hybrid radiant-convection technology, multizone thermal control, forced cooling and Industry 5.0 - ready connectivity - all to deliver energy efficiency, optical precision and flexible production growth.

OPTIMISED PERFORMANCE VERSUS TRADITIONAL AUTOCLAVES

The TK Lamijet stands as a lean, high-performance alternative to traditional expensive autoclave systems, which often demand massive footprints and high operational overheads. By contrast, the TK system offers a significantly lower barrier to entry regarding both investment and energy consumption. One of its key operational advantages is its independence from full-load requirements. While autoclaves need to be filled to remain cost-effective, the TK system remains profitable even with small batches or single pieces, allowing for “just-in-time” production that responds instantly to market demands.





TK LAMIJET



ADVANCED HYBRID TECHNOLOGY

The combined forced cooling system and heating radiation technology of TK Lamijet Hybrid ovens represent an advanced laminating solution that integrates controlled radiant heat combined with dynamic air management to deliver exceptional process performance. By uniting precise radiant heating elements with air agitators and optimised forced convection cooling system, TK Lamijet achieves perfect uniformity through highly accurate heat distribution across the entire glass surface, ensuring consistent thermal profiles essential for high-performance laminated glass. This hybrid configuration enables maximum speed, significantly reducing heating cycles compared to traditional infrared-only systems, thereby increasing productivity without compromising quality. The

result is superior optical performance, as the controlled thermal balance eliminates common defects such as bubbles, haze, or distortions, producing crystal-clear, optical-grade laminated glass. In sum, the technical superiority of the system is driven by a hybrid heating technology that combines radiation and convection. This dual-system approach ensures process stability and flawless thermal distribution across all interlayer types, such as EVA, PVB, SGP,TPU making it an efficient and flexible solution for architectural, automotive and specialty glass applications. This thermal precision is managed by a sophisticated and energy saving multizone control system, where power is distributed through independent zones to maintain a maximised homogeneous temperature profile. To ensure the high-

est quality results, a forced cooling system shortens cycle times, which is vital for achieving the superior transparency and structural integrity required in high-end glass products.

TKCONNECT 4.0

Integrating these mechanical capabilities into the modern digital landscape is the TKconnect 4.0 system that, combined with an intuitive PLC control, transforms the oven into a smart, data-driven hub, allowing operators to monitor and supervise production cycles remotely via smartphone or computer. Being fully Industry 5.0 ready and built with European components, the machine is perfectly compatible with the latest IoT requirements.

A FUTURE-PROOF INVESTMENT IN GLASS EXCELLENCE

The TK Lamijet redefines the standards of safety glass lamination, melting Italian savoir-faire with the human-centric innovation of Industry 5.0. By adopting a platform centred on agile scalability, glass processors can abandon the operational burdens of conventional autoclaves. TK Lamijet offers a future-proof ecosystem that scales with your ambitions, delivering personalised solutions from one-shot processing to global, jumbo-scale operations.



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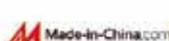
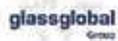
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