



SPECIAL FEATURE

Enhanced fireproof glass solutions from TRIULZI

TRIULZI developed over more than 10 years, fully automated solutions for fireproof glass process. Its gel vacuum processing line and heavy-duty washing systems improve precision, efficiency and safety while supporting efficient production. Installed across Italy and Europe, Triulzi technology delivers consistent quality for demanding fire-resistant glass applications.

Fireproof glass plays a crucial role in ensuring safety in public spaces such as schools, hospitals, offices, and transportation hubs. Its capacity to withstand high temperatures while preventing the spread of flames makes it an essential component in modern construction, where safety requirements are increasingly stringent. At the same time, fireproof glass maintains transparency and aesthetic value, allowing architects and designers to meet both functional and visual demands. To address the growing need for high-quality fireproof

glass, Triulzi has developed an innovative, fully automated and trademark fireproof glass processing line. Designed to streamline production, this solution focuses on precision, efficiency and consistency, supporting manufacturers in meeting demanding safety standards while improving operational performance as well as better finishing.

AUTOMATED PRECISION FOR CONSISTENT FIREPROOF GLASS PRODUCTION

At the core of Triulzi's approach is its developed in house automatic gel vacuum system for fireproof glass

processing. This fully automated line is engineered to reduce manual intervention throughout the production cycle, increasing productivity while minimizing the risk of errors associated with repetitive operations. Automation also helps reduce physical strain on operators, supporting safer and more sustainable working conditions. The machinery is adaptable to different glass sizes and thicknesses, responding to varied production requirements and enabling manufacturers to process fireproof glass for multiple applications within a single automated platform. This flexibility allows the system to support evolving market

demands while maintaining consistent quality standards across all output.

EFFICIENT DESIGN AND PROVEN INSTALLATIONS

Triulzi's fireproof glass processing line is distinguished by its eco-friendly design. The system uses energy- and water-efficient processes, aligning production performance with responsible resource management. This efficiency supports lower operating impact while maintaining the precision required for high-quality fire-resistant glass. The effectiveness of the solution is demonstrated



Key features include a dedicated pre-washing section for removing coarse contaminants, followed by high-performance intensive washing to achieve perfectly clean glass surfaces. An automatic edge suction system removes residual water from glass edges, preventing dripping during subsequent processing stages, while effective and uniform drying helps avoid optical defects. The washing line also incorporates built-in remote assistance for fast diagnostics and online technical support, helping reduce downtime. Simplified predictive maintenance supports production continuity, lowers operating costs and extends machine lifetime. Integrated safety barriers and fences ensure full compliance with operator safety regulations, reinforcing Triulzi's emphasis on safe and reliable industrial solutions.

by installations across Italy and Europe, where customers have provided positive feedback on system performance. These operational results confirm the line's reliability in real production environments and reinforce Triulzi's focus on delivering dependable, application-specific automation machinery fully compliant with the technical and functional re-

quirements for ind. 5.0 and hyper-amortisation.

HEAVY-DUTY WASHING FOR FIRE-RESISTANT GLASS APPLICATIONS

Complementing its processing technology, Triulzi offers

a heavy-duty washing line designed for high-complexity industrial applications involving fire-resistant glass. This washing line is capable of handling extra-thick glass panels even over 100 mm, ensuring thorough cleaning even under demanding conditions.



TRIULZI
 You name it, We'll do it.

C.so Como, 36/B
 20812 Limbiate MB - ITALY
 Tel.: +39-02-996-39-91
 Tel.: +39-02-996-07-04
 marketing@triulzi.com
www.triulzi.com