

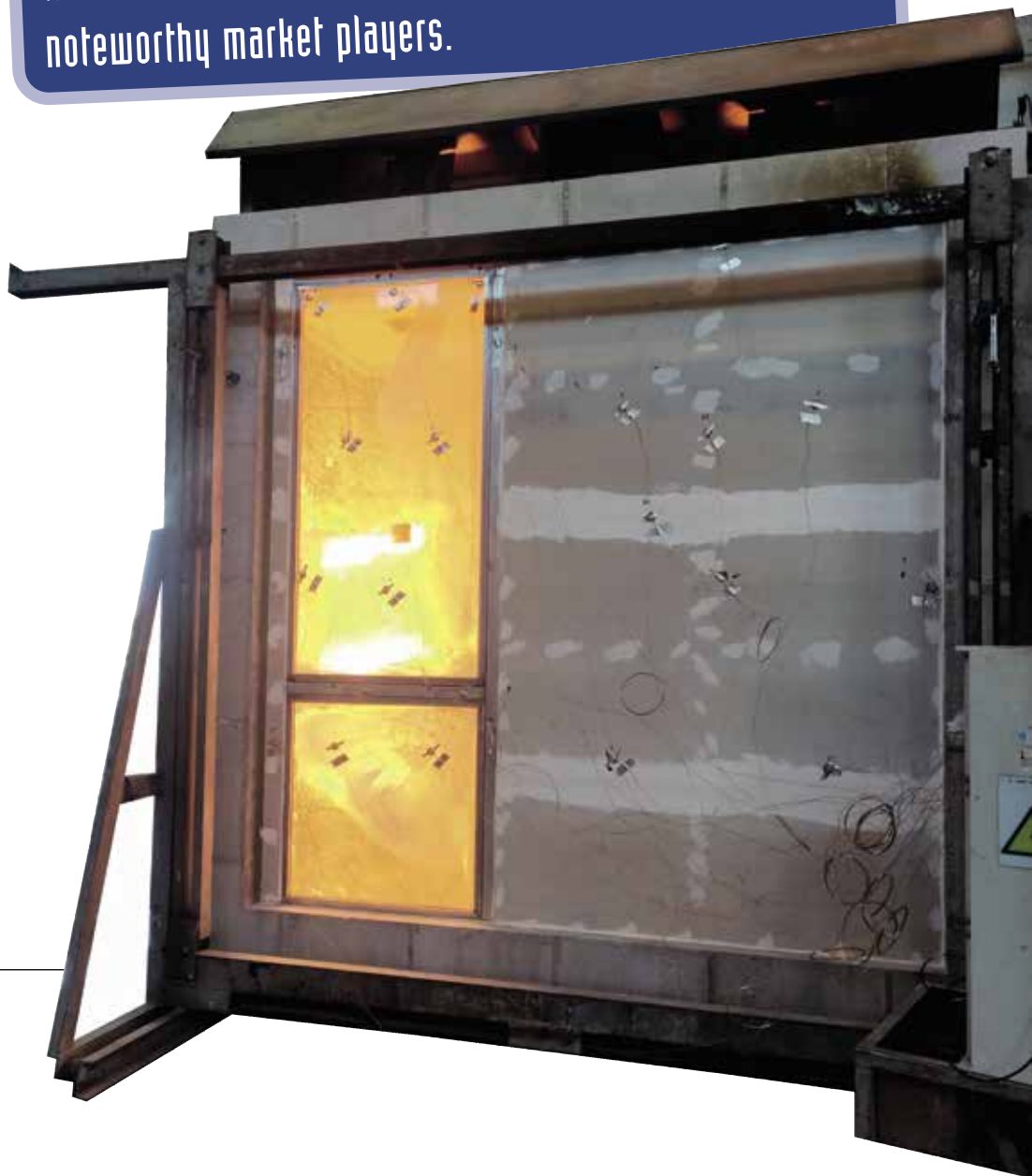
# GLASS COMPANY - not just great on the surface

Continuing research and ongoing interest in innovative products has afforded Glass Company various opportunities to specialize in niche glass surface treatment machines. These include the company's atmospheric Plasma machine, which solves specific problems in the application on flat glass of different coating and adhesive types, as well as those of "sandwich" composition when other technical materials are used. Here we may further add laser machines for engraving and ablation of all paint and glass surface coating types -Low-E glass too- which leaves glass completely transparent while offering a wide range of applications, as well as (among others) Laser machines for glass drilling and cutting.

## **FIREMEK**

Glass Company's passion for innovation has also seen it develop Firemek - its own Fire Resistant glass production technology, which is suitable for both flat and curved glass. Developed from a manual to a semi-automatic system for the production of a few

Following 15-plus years of forging important relationships with key Chinese producers of high-tech glass processing machinery, GLASS COMPANY SRL has so matured over time that it's now generated a Europewide recognition among noteworthy market players.





hundred square metres per month, Firemek is available today in its fully-automated version for production of large quantities of fire-resistant glass by Turnkey line. Continuous evolution of the system has allowed for preparation of an intumescent mixture that's free of any possible errors attributable to human intervention.

Now automatic weighing of the components, perfect vacuum mixer heating/cooling and a pc-controlled weight/volume which ensures precision of the dispensing pump all have daily production of the silica-based intumescent mix-

ture extremely transparent, bubble-free and replicable over time with neither variation nor error.

A crosslinking oven, as component of the Firemek line, is now designed to compensate for any minor defects arising from potentially inappropriate heating, with an inadequate support base generated during the last production phase for fire resistant glass.

### COMPLIANCE

Respecting E, EW and EI glass, the final product complies with the most stringent European regulations, where (E) indicates hermetic or tightness, i.e.

the ability of an element to resist any passage of flames and hot gases to the side unexposed to fire, (W) indicates radiation resistance, i.e. the ability of an element to resist fire acting upon one side only, thereby limiting heat transmission by radiation to a specific threshold, (I) indicates isolation, i.e. the ability of an element to withstand exposure to a fire acting upon one side only, thus preventing it from spreading.

Firemek now comprises sophisticated technology which, alongside its superb

ease of use, extends fire-resistant glass production from the sole privilege of just a handful of today's manufacturers to include medium and small businesses as well.

Glass Company Srl

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