

Laminated glass handling: from ITALCARRELLI® the series of TPEN transporters for autoclave

At ITALCARRELLI®, many specialty machines are continually manufactured for a great variety of sectors including foundries, paper mills and of course glassworks.

The company is in fact specialized in the glass sector and in the handling of this material: with many years of experience in this field and with many transport solutions designed and produced for the most varied applications, supporting local manufacturing companies or multinationals, ITALCARRELLI is the partner to rely on.

Even for handling glass to be processed such as laminated glass in an autoclave, the company is able to support each customer with the bespoke platform transporter.

Thanks to the numerous projects followed and the knowledge thus acquired, the engineers of the ITALCARRELLI Glass Division first analyze the various factors of each customer, including specific technical and performance needs, the context of use and the production operation. Then they design the most effective logistic solution for the production process, intervening in an intelligent and targeted way. Solutions that aim to simplify the handling operations and pay attention to the safety factor given the particularity of the operating context.

With the patent-pending "Sicur-Lift" lifting system - assuring a double mechanical and hydraulic safety for maximum load stability in all circumstances - and constructive, dimensional



characteristics such as to be able to deposit the racks with glass inside the autoclave and remove them once the process is finished - with high flexibility and safety standards - the TPEN series vehicles are self-propelled platforms designed for laminated glass.

TPENs are transport vehicles with a capacity of 15-30-50 tons and even more; they are used for handling DLF/LES sheets to jumbo sheets, thanks to the size of the platform which can be customized according to the needs of the individual customer. Versions with a radio-controlled driving system or LGV (laser-guided) are available, used both for

flat glass applications and for automated loading / unloading of the material from the autoclave. With a very resistant frame, high stability and quality components and thanks to the high maneuverability and visibility given by special sensors, the positioning inside the autoclave is extremely simple and easy for the operator, reducing maneuver times and optimizing personnel and costs and ensuring the highest levels of safety and reliability.

ITALCARRELLI® is a world leader in the design and manufacturing of self-propelled transporters, special machines and equipment for material handling and storage in the most diverse industrial fields. Thanks to many years of experience in the industry and to investments searching for innovative solutions, the company has acquired remarkable knowledge and it supplies its products to the most important manufacturers all over the world. www.italcarrelli.eu