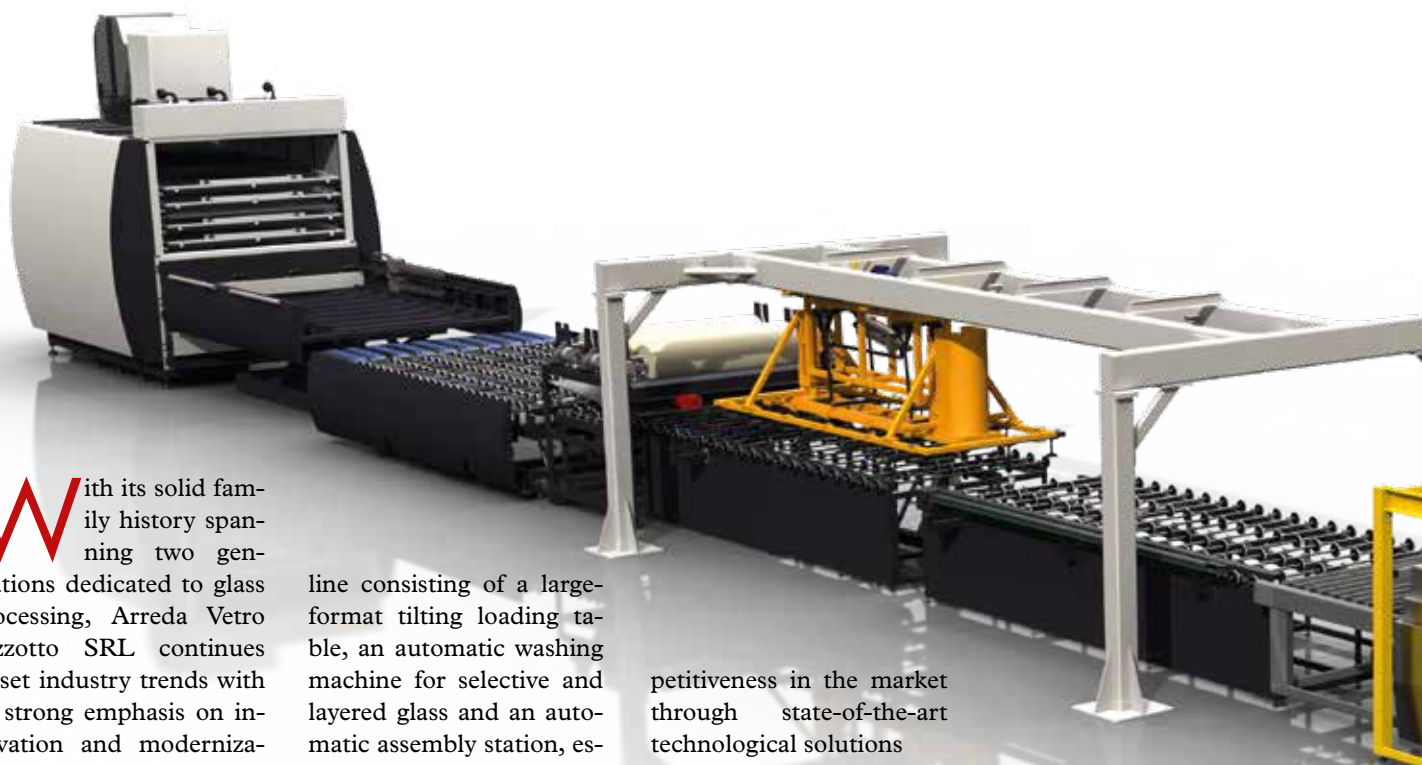


# Advanced **PUJOL 100** PVB+ Laminating System sold to **ARREDA** **VETRO BIZZOTTO**



**W**ith its solid family history spanning two generations dedicated to glass processing, Arreda Vetro Bizzotto SRL continues to set industry trends with its strong emphasis on innovation and modernization of its processes. Today the prestigious company has acquired an advanced PUJOL 100 PVB+ /2C-50x28 laminating oven as part of its strategy of leadership and technological upgrading - an acquisition complemented by a complete automatic assembly

line consisting of a large-format tilting loading table, an automatic washing machine for selective and layered glass and an automatic assembly station, establishing a new, updated standard within the company's production process. With this investment, L'Arreda Vetro Bizzotto seeks to not only optimize its production capacity. It also aims to improve the quality of its products while elevating its com-

petitiveness in the market through state-of-the-art technological solutions

## **MUCH MORE THAN A LAMINATING OVEN**

Since its launch in 2011, the PUJOL 100 PVB+ has established itself as a total solution for glass lamination with all possible interlayers on the market (EVA/

PVB/SGP), revolutionizing the market with its efficiency, flexibility, automation, and high production capacity. This system offers a number of competitive advantages that position it as the key tool for companies committed to excellence and production leadership.

Enhancing its efficiency, sustainability and automation, ARREDA VETRO BIZZOTTO has recently purchased a PUJOL 100 PVB+ laminating system. This cutting-edge technology reduces energy use, space and labour needs while boosting production quality. A one of its kind in Italy, it marks a strategic leap ahead for the industry.

### **HIGH FLEXIBILITY AND MAXIMUM VERSATILITY FOR EFFICIENT PRODUCTION**

Pujol 100 PVB+ has been designed to offer total adaptability to market demands, allowing efficient and competitive work with all the major interlayers on the market today: includ-

ing PVB, EVA, Ionoplastics (SGP), and AB-AR—all without the need for complex changes or downtime. Pujol 100 PVB+ allows you to optimize production without compromising quality, easily adapting to different product requirements, thicknesses, and compositions. It is an ideal solution for both large volumes and customized, fast-service production, always maintaining very low energy consumption and extremely low production costs without compromising high productivity.

### **ENERGY EFFICIENCY AND SUSTAINABILITY**

One of the most notable aspects of the system is its low energy consumption compared to the complex and high costs associated with a traditional solution such as an autoclave. This is achieved thanks to its state-of-the-art technology, which eliminates the need for energy-intensive equipment in a traditional autoclave plant, such as the white chamber with dehumidifier, the air conditioning system, or the calendaring equipment prior to the autoclave. Pujol 100 PBV+ reduces energy consumption by up to 70 percent compared to conventional autoclave systems, promoting more environmentally friendly and efficient production.

### **REDUCTION IN INSTALLED ELECTRICAL POWER**

Another highlight of Pujol 100 PBV+ technology is its low installed power to achieve high production volumes and operation. In this case, the 50x28 model only requires 90 kW installed, compared to the approximately 800 kW required by a complete autoclave installation of equivalent glass format and production capacity.

### **LOWER INVESTMENT, HIGHER PROFITABILITY**

Pujol 100 PBV+ stands out for requiring a considerably lower initial investment, being a highly efficient, profitable, practical, functional, and easy-to-implement solution. Its practicality and functionality are due to a





series of advantages that allow for cost reduction without sacrificing quality or performance, such as the elimination of the need for complex environmental controls, calender furnaces, and high-power transformers. This translates into a simpler infrastructure with lower energy consumption and reduced operating costs. In addition, it facilitates implementation by not requiring complex or costly civil works and by optimizing the use of available space.

### **LABOUR REDUCTION**

Thanks to its high level of automation, Pujol 100 PBV+ allows processes such as part placement, loading/unloading optimization, and component handling to be streamlined, reducing the need for operator intervention to manually load and unload complex and heavy manual loading racks, increasing the accuracy and efficiency of the process through automatic tray load transfer tables. An automatic line

can be easily operated by just two operators, achieving laminated glass production of 250 m<sup>2</sup>/day-8h.

### **REDUCTION IN RAW MATERIAL COSTS**

Thanks to the uniform pressure exerted by the bag on the edges of the glass during the lamination process and the high level of control that this system allows, it is possible to reduce the number of layers required in laminated tempered glass. This means that films as thin as 1.14

mm can be used, instead of the traditional 1.52 mm used in autoclave processes. The result: a significant reduction in waste, without compromising strength, safety classification, or the quality of the final product.

### **REDUCTION IN MAINTENANCE COSTS**

Another aspect to highlight compared to other high-production solutions is the almost zero maintenance costs and time associated with the PUJOL-100



PVB+ double vacuum system, which is limited to changing the filters and oil of the entire set of high-capacity vacuum pumps installed, eliminating the high maintenance and safety costs associated with an Autoclave system.

### SPACE REDUCTION

Finally, another advantage to highlight is the lack of space in the factory. The difficulty of implementing a high-productivity system such as the one in question is a major challenge or impossible with

traditional autoclave amination systems. With the PUJOL-100 PVB+ solution, space is optimized and requires 40 percent less space than a traditional autoclave system to achieve the same production levels.

### A STRATEGIC DECISION WITH A MAJOR IMPACT IN ITALY

Joaquín Pujol, commercial director of Hornos Industriales Pujol, highlights the significance of this recent

transaction:

“This sale has a very special meaning for us, as it is the first Pujol 100 model unit installed in Italy, a strategic market for our company. Furthermore, it represents the 75th unit worldwide since the launch of this technology in 2011, a milestone that coincides with our company’s centenary. We are convinced that this will be the first of many installations in the country. We are proud that it has been acquired by a family-owned com-

pany with a long tradition in glass such as L’Arreda Vetro Bizzotto, with whom we share a common vision of the business and values oriented towards innovation and excellence. The incorporation of Pujol 100 PVB+ technology represents a decisive step in the modernization process of their plant, allowing them to optimize production capacity, reduce operating costs, and strengthen their position as a leader in the glass sector. Visitors to Vitrum 2025 will have the opportunity to discover more about Pujol 100 and other innovative technological solutions that are transforming the safety glass sector. We will be at stand P11 E01.”



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