



## PUJOL Group

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### COMPANY DATA

#### Founding Year

1911 (115 years)

#### Planned Exhibitions 2026

**China Glass** - Shanghai, China - 7 / 10 April

**Glass-Tech Poland** - Warsaw, Poland - 26 / 28 May

**Glasstech Mexico** - Mexico City, Mexico - 15 / 17 July

**GlassBuild America** - Las Vegas (NV), USA

23 / 25 September



**Glasstec** - Düsseldorf, Germany - 20 / 23 October

**Eurasia** - Istanbul, Turkey - 21 / 24 November

**Zak Glass Technology** - New Delhi, India - 10 / 12 December



### COMPANY PROFILE

-  Delegations and production plants.
-  Sales representatives & dealers

#### Pujol Group: No Limits in Glass Creation

Pujol Group is today a global reference specializing in the manufacturing and consulting of safety glass products. It offers a comprehensive and robust range of products and services, including ovens and complete laminating solutions, HST systems, glass tempering and bending ovens, as well as a wide range of consumables, training programs, and full technical support. All of this is designed and developed to meet the needs of the professional glass industry.

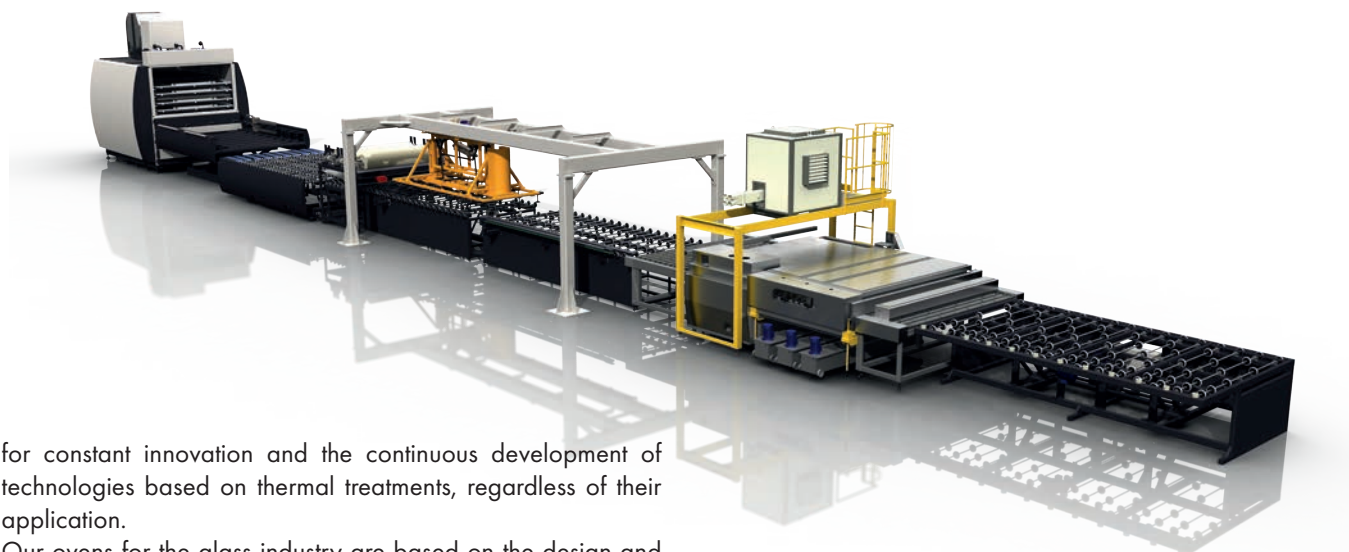
With 115 years of history, Pujol Group dedicates 17,000 m<sup>2</sup> to the production of all its solutions, with the possibility of expanding this area up to 25,000 m<sup>2</sup> if needed. The company has a team of 70 highly specialized professionals and, thanks

to a broad global network of partners and distributors, ensures expert and close support in more than 100 countries where it has a presence.

Pujol Group anticipates market trends with agility, offering innovative solutions that create opportunities, generate value, and build lasting relationships, making it a strategic partner in every project. This has consolidated an international business model where technical excellence, constant innovation, and close customer relationships coexist as fundamental pillars.

#### Hornos Industriales Pujol: More Than a Century Leading the Way

Since 1911, Hornos Pujol has been a global benchmark



for constant innovation and the continuous development of technologies based on thermal treatments, regardless of their application.

Our ovens for the glass industry are based on the design and manufacture of three main segments: integrated lamination systems, Heat Soak Test ovens, and solutions for glass tempering and bending that have revolutionized the glass industry. Examples include the successful **Pujol 100 PVB+**, an oven capable of laminating glass with PVB without the need for a climatic chamber or autoclave, reducing both unit production costs and investment in machinery.

Another example is **Temper Flex**, the first high-productivity, high-installed-power glass tempering oven on the market that can adapt and operate with low energy consumption and reduced installed power when required by the customer. This innovative solution maximizes profitability, reduces costs per square meter, guarantees superior quality, offers production flexibility, and minimizes maintenance costs.

#### **Evalam Global reference in EVA manufacturing for architectural and decorative use.**

Based in As Pontes (Galicia), with facilities covering 15,000 m<sup>2</sup>, Evalam has established itself as an international benchmark in the production of EVA and other interlayers for laminated glass. Its solutions, developed and manufactured in-house, combine advanced proprietary formulations that optimize efficiency, durability, aesthetics, and versatility. Designed for highly demanding sectors such as architecture, decorative applications, and photovoltaics, they stand out for their durability, safety, aesthetics, and outstanding performance. Sustainability is a genuine commitment and an integral part of Evalam's philosophy, with strict compliance with European regulations such as REACH and RoHS, aimed at minimizing

environmental impact. Reliability and excellence are the principal pillars underpinning Evalam's work ethic. All of our products are designed with these principles in mind. That is why all the materials we manufacture undergo numerous tests performed at external laboratories. We currently hold more than 70 quality certifications – proof positive of the reliability of Evalam products



#### **I-on by Pujol: Transforming Spaces with privacy or transparency.**

The youngest company in the group specializes in the production of high-value-added glass, including its PDLC glass solutions that allow switching between transparency and privacy as needed. I-on by Pujol's laminated PDLC solutions are suitable for a wide range of architectural and decorative applications and enable full integration with smart home systems, allowing remote control via remote control, smartphone, tablet, timers, or sensors.

## PRODUCT RANGE

- Lamination Ovens
- Lamination lines solutions
- Heat Soak Test
- Thermal Tempering Ovens
- Chemical Tempering Ovens
- Bending Solutions
- Lamination lines
- EVA
- EVA Color
- Structural interlayer
- Photovoltaic EVA interlayers
- Decorative Insertions
- PDLC solutions
- Accessories and tools
- Laboratory equipment



## PUJOL Group

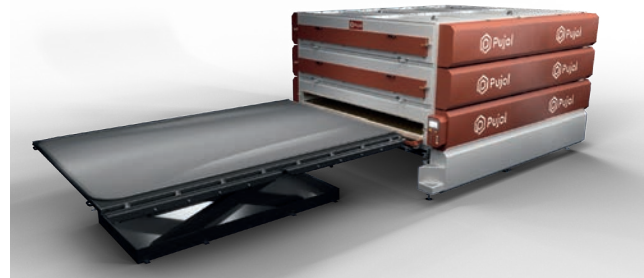
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## LAMINATION SOLUTIONS

### LAM PRO

High performance oven with low investment, designed for the lamination of flat and curved glass (depending on the model) all without compromising quality of the product. It's designed for companies with high professionalism and high productivity requirements. It offers these advantages:

- **Flexibility:** Independent chambers ensure uniform heating, ultra-fast cycles, and low energy cost per sqm
- **Productivity:** Optimized airflow enables rapid, uniform cooling for maximum efficiency.
- **Software Control:** Advanced HMI monitors all key process variables in real time.
- **Uniformity:** Dual radiation and convection system ensures  $\pm 3^{\circ}\text{C}$  temperature consistency inside the chambers.
- **Ergonomics:** High-ergonomic design enhances operator safety and productivity.
- **Bending:** Chambers support curved laminations up to 500 mm internal height. (Optional)
- **Energy Efficiency:** Automated cycles allow off-peak operation for lower energy use.



- **Vacuum Bag:**  $\Omega$ -shaped closure ensures a tight, quick, and reliable seal.
- **Glass Quality:** High-performance bags eliminate EVA residue and edge distortion.
- **Industry 4.0:** PUJOL e-Connect enables remote monitoring, traceability, and assistance.

### PUJOL 100 PVB+

Pujol 100 PVB+ is a unique PVB laminating system that does not require an autoclave or climate-controlled assembly. Since its launch in 2011, it has become a benchmark in the glass lamination industry. Among its main benefits:

- Allows the lamination of PVB, EVA, and ionoplastics (SGP).
- Humidity and temperature control are not required for either storage or treatment.
- Fixed energy costs, independent of production volume.
- Reduced costs due to greater energy efficiency compared to traditional autoclave systems.
- Maximum precision and reliability.
- Lower raw material costs, as fewer film layers are required than in tempered PVB glass.
- Does not require a pre-lamination line.
- Requires less plant space.
- Minimal operator effort.
- High production rates.
- Industry 4.0 ready.

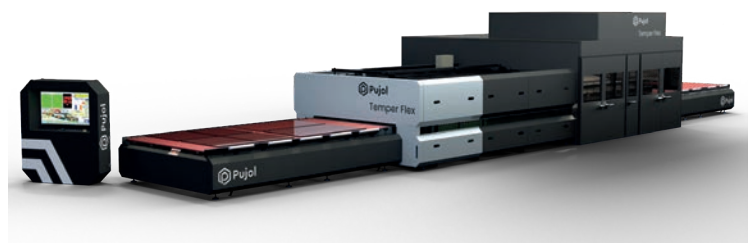


## TEMPERING SOLUTIONS

### TEMPER FLEX

The first glass tempering oven on the market with high productivity and high installed power, able to adapt to produce with low energy consumption and low installed power if the customer requires it. Is a unique and innovative glass tempering solution designed to provide real answers to the needs of professionals based on 5 main axes.

- Return on investment.
- Savings and profitability per square meter of glass produced.
- Quality of the finished product.
- Production flexibility,
- Maintenance costs.



## TQ SYSTEM

Chemically Tempered Glass of Maximum Precision. The PUJOL-TQ System is an advanced chemical tempering technology that allows the treatment of glass of any thickness and shape, including ultra-thin glass that cannot be tempered using thermal methods. Through a precise ion-exchange process, glass with superior performance is achieved for the most demanding applications. The main benefits are:

- Absolute transparency without optical distortions or anisotropy.
- Greater safety of the glass due to superior mechanical properties.
- Reduced structural costs thanks to thinner, lighter glass.
- Lower laminated glass cost due to perfect flatness and fewer layers.
- High flexural strength, better absorbing permanent and variable loads.
- Highly scratch-resistant thanks to chemical hardening



## HEAT SOAK TEST

The HST (Heat Soak Test) process ensures maximum safety and quality for tempered glass by detecting critical impurities such as nickel sulfide, the main cause of spontaneous breakage. The result is a safer, more reliable product that meets the highest industry standards. The main advantages are:

### Greater Safety

- Enhances tempered glass safety.
- Detects internal defects and ensures a more reliable product.

### Regulatory Compliance

- EN 14179 standard in Europe;
- Optimization software ensures correct processes.

### Savings and Profitability

- Faster cycles and energy efficiency.
- Reduces risks, failure costs, and potential claims.

### Production Optimization

- High-quality insulating materials reduce energy consumption and losses.
- Efficient loading and unloading.
- Pujol e-Connect for remote control, data analysis, and traceability.



## BENDING

### PROCONV-ARQ

Precision, and flexibility in large-format, custom-shaped curved glass, ensuring accuracy, safety, and efficiency throughout the entire process, from heating to controlled cooling. Key features include:

- **Design flexibility:** Produces "J" curves and concave or convex shapes with high-precision molds.
- **Robust and safe structure:** Self-supporting frame with integrated insulation, heating, and control systems.
- **Efficient handling:** Hydraulic carriage and motorized hood for easy movement of heavy loads.
- **Controlled cooling:** Air system that ensures the shape and quality of each piece.
- **Resistant support:** Metal floor and refractory base that maintain flatness and absorb expansion.
- **Advanced control PC:** with multi-zone HMI for maximum precision and repeatability.





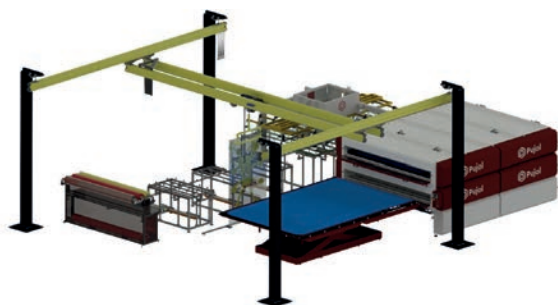
## LAMINATION LINES

Pujol offers a complete range of lines for laminated glass manufacturing, tailored to the production needs and budget of each customer. From fully automated systems to manual operation, our solutions optimize quality, efficiency, and plant flexibility.

**Automatic Line:** Fully automated line for EVA and PVB laminated glass that increases production, ensures consistent quality through automatic alignment, and reduces operating costs thanks to minimal manual intervention and a flexible design adaptable to any plant.



**Assisted Line:** Enables fast, precise, and efficient glass assembly. It significantly reduces assembly time and costs, can be operated by a single person, guarantees extremely high precision per linear meter, and eliminates manual adjustments between operators. Suitable for both large and small glass sizes.



**Manual Line:** Designed to optimize the EVA lamination process, improve operational efficiency, reduce costs, and increase the quality of the final product. Its flexible and customizable design allows it to adapt to the needs and available space of each plant.



## EVALAM

### EVALAM VISUAL

Developed for lamination experts looking for a product with high added value. Its excellent and incomparable transparency, high adhesive strength, superb acoustic insulation performance, and a crosslinking index like no other on the market make it the perfect product. These characteristics make Evalam Visual the ideal lamination solution for areas where optics and durability are essential requirements.

- **Transparency:** Maximum clarity and optical quality; ideal for extra-clear glass in balustrades, stairs, greenhouses, canopies, and curved glass.
- **Durability:** >87% crosslinking index ensures superior stability compared to other thermoplastics.
- **Weather & Humidity Resistance:** Long-lasting edge resistance; prevents delamination in high humidity, temperature, or adverse weather.
- **UV Protection:** Shields interiors, furniture, and people from harmful ultraviolet rays.
- **Adhesion:** >140 N/cm; preserves the glass's physical, chemical, and mechanical properties.
- **Acoustic Insulation:** High noise reduction for more comfortable environments.

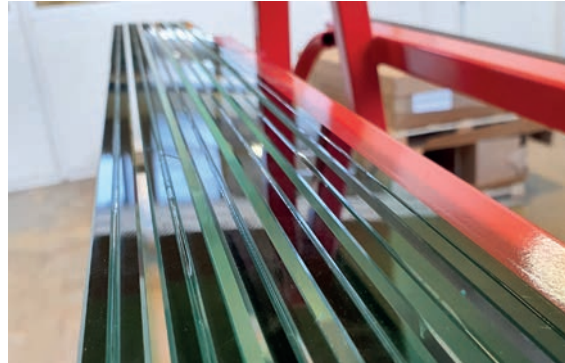


- **Safety & Security:** Meets global standards; tested for impact, forced entry, and pendulum/ball drop scenarios.
- **Structural Strength:** Maximum shear modulus; withstands wind and snow loads on façades and canopies.
- **Fire Resistance:** Certified for high temperatures and fire exposure.

## EVALAM N-FLUENT

Designed to minimize the overall costs of the post-lamination process. Its innovative formula prevents product fluidity and saves time and costs in edge cleaning. This in turn translates into direct benefits for the processor.

- **Reduced edge cleaning:** lower fluidity and better material control.
- **UV filtering:** protection against sunlight and fading.
- **Crosslinking >85%:** enhanced durability and stability.
- **Greater impact resistance:** stronger and safer laminated glass.



## EVALAM 80/120

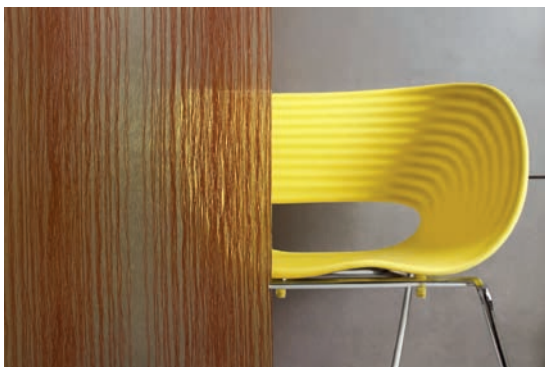
Evalam 80/120 range is the ideal solution for insertions requiring working temperatures not exceeding 100°C, such as decorative elements which use organic products. Evalam 80/120 preserves the decorative effect of the insertions impeding the fading of color or texture owing to high temperatures, also ensuring its adhesive and safety properties at lower processing temperature.

- **Working temperature:** Up to 100 °C (212 °F), ideal for sensitive elements
- **Preserves aesthetics:** Maintains colors and textures of inserts.
- **Safe adhesion:** Ensures effective bonding at low temperatures.
- **Prevents defects:** by avoiding gassing of organic paints, protecting the color of certain papers, and reducing warping in thin PET.
- **Recommended use:** Laminations with organic heat-sensitive materials.



## INSERTIONS

The wide assortment of Evalam insertions ranges from fabric finishes to metallic mesh. There is an extensive range of encapsulation options allowing infinite possibilities for architects, designers, and decorators; a powerful tool to give free rein to one's imagination and creativity.



## EVALAM COLOR

Evalam Color is an EVA product developed for temperatures in the 120°C range without causing changes in colour near the edges, ensuring greater durability of the colour over time. This EVA product offers superior quality, setting itself apart from other coloured thermoplastic materials processed at only 80°C which prioritise colour uniformity over material durability.

- **High temperature resistance:** up to 120 °C without edge discoloration.
- **Superior durability:** retains color and material longer than other EVA products
- **Suitable for outdoor use:** colors certified according to EN 12543-4:2011 (ask)
- **Wide color palette:** 18 basic colors with endless combinations.
- **Over 300 different shades:** The different combinations of the 18 basic colors in the Evalam Color range allow for a wide chromatic variety.
- **Consistent results:** stable and uniform color thanks to advanced laminating technology.



## AB-AR

A structural post-breakage interlayer, ideal for public spaces and high-load applications. It outperforms structural ionomers in mechanical resistance and maintains its properties even at temperatures above 36°C.

- **Post-breakage behavior:** maintains rigidity even if both glass panes break.
- **Crowd impact resistance:** protects human lives; laminated glass remains stable under heavy crowd load.
- **No climate control required:** does not need special temperature or humidity conditions for storage or processing.
- **Lighter weight:** up to 50% lighter than all-glass compositions while maintaining the same strength.
- **Enhanced UV filtration:** The combination of AB-AR and Evalam in lamination provides UV filtering and protects people and objects
- **Safety:** ideal for facades, bracing, stairs, roofs, railings, and anti-vandalism applications protects people and assets thanks to lamination with Evalam.
- **Better high-temperature performance:** withstands loads of 200 kg even above 50 °C.



## CONSUMABLES

Evalam offers a complete range of consumables and tools to optimize glass lamination, including heat-resistant tape up to 180 °C for joining and sealing glass during the process, and polishing machines for a perfect finish.



## I-ON BY PUJOL

I-on By Pujol PDLC: Privacy or transparency at the touch of a button

- **Privacy:** Opaque at rest, transparent when activated.
- **Acoustic and Thermal Insulation:** Enhanced comfort in any space.
- **Durability and Sustainability:** 100,000+ cycles, low energy consumption.
- **Innovation and Smart Integration:** Works with sensors and apps.
- **Indoor and Outdoor Use:** Meets safety standards.
- **Applications:** In retail and advertising, it enables dynamic 24/7 displays; in hospitality and offices, it creates stylish, private space divisions; in residential and bathrooms, it offers privacy without curtains or blinds; and in education and healthcare, it provides versatile, hygienic, and bright spaces.

