

Main benefits and advantages

The new series of LAM-PRO ovens has been developed for companies seeking to achieve high performance at a low investment in mind, without compromising with it the excellent quality of the end product. The LAM-PRO series incorporates unique and innovative features that make it a highly reliable solution.



Flexibility

Independent isolated work chambers, maximum heat distribution and energy efficiency, resulting in ultra-fast work cycles and a very low specific energy cost per sqm of laminated glass.



Productivity

Automatic rapid cooling system thanks to our optimized airflow design, the cold air inflow is distributed quickly and uniformly inside the chamber by a set of high pressure fans located at the rear of the oven. The TOP range consists of Pre-Vacuum Bottom Buffer + fast cooling.



Software control system

Our highly customizable and full featured programmer and HMI allows to keep a continuous close watch of all key process variables such as: temperature-time segments, ramp functions, vacuum status, pressure level, cooling sequence or clock timers.



Uniformity

Distributed double-layer radiation system that is reinforced with an air homogenization convection equipment by impulse fans "Pujol Impeller Convection System®", this translates into a homogenization of the heat in the chamber of +/- 3° C.



Ergonomics

Our commitment to safety and health is embodied in the design of machines with high ergonomics in order to improve the productivity of machine operators, thus minimizing their fatigue and avoiding accidents.



Bending

All oven chamber with bending laminating performance offers a 500mm internal height.



Environmentally friendly energy savings

Thanks to the consistency and reliability of our fast cycles, and the control and versatility of our software, it is possible to automate and leave the oven unattended during some phases of the process. This makes it possible, for example, to program the oven at a specific time of the night and without the presence of operators, in order to take advantage of the hours with the lowest electricity consumption costs the hours of lower electricity consumption cost and in a more efficient way.



Vacuum bag with Ω letter design closure

The vacuum bag is manufactured with a pioneer perimeter closure with Ω letter-shaped design which allows a safe and effective closure that in addition to ensuring a tight seal, offers the user an easy and quick operation of closing and opening the bag.



Free distortion glass with no excess EVA on the edges

Our original high-performance vacuum bags contribute to a final product without excess EVA on the edges, saving time and additional operator costs for edge cleaning. The high elongation of the bags helps to reduce pressure and stress on the edges of the glass, avoiding bending effects and improving optical quality compared to traditional bags.

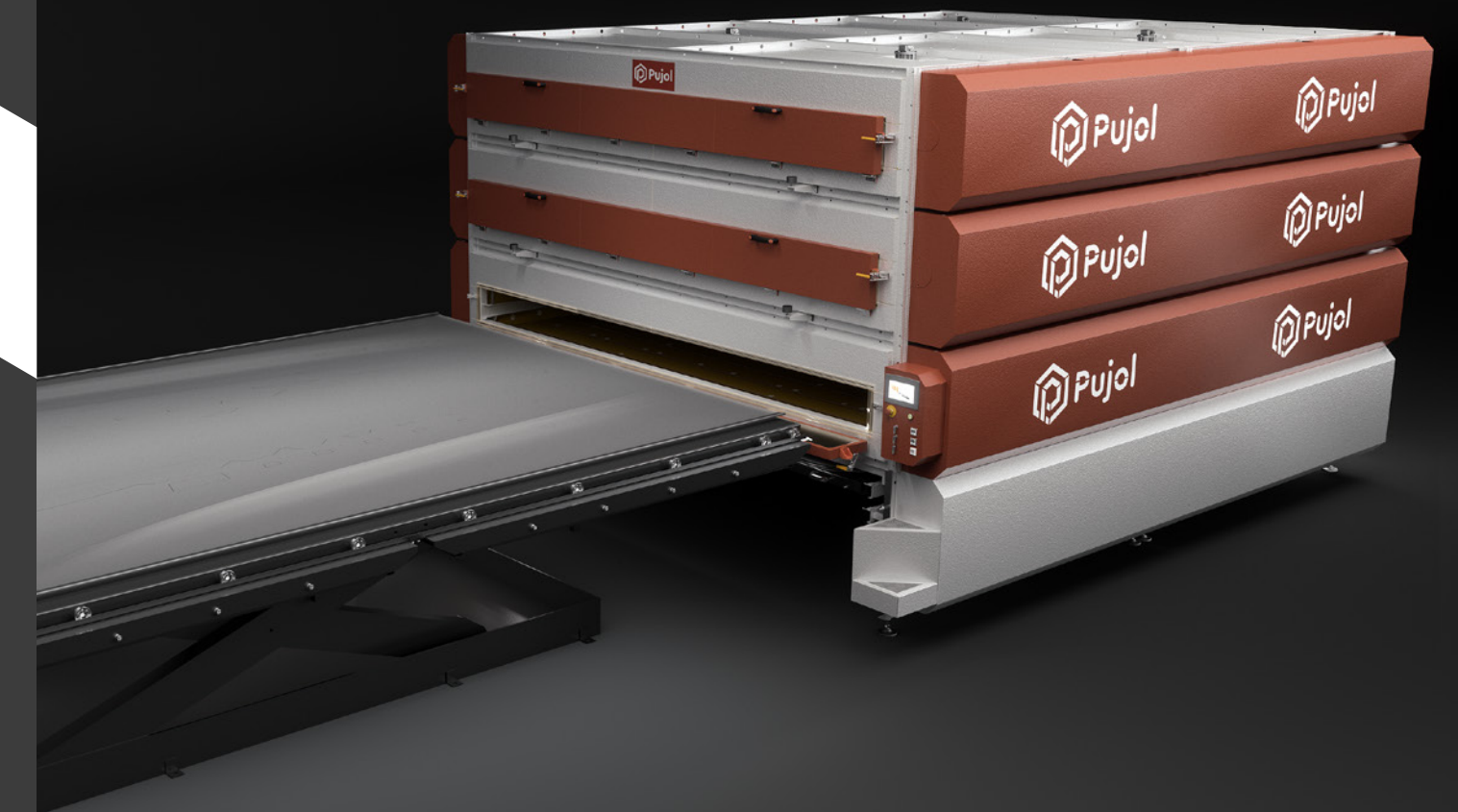
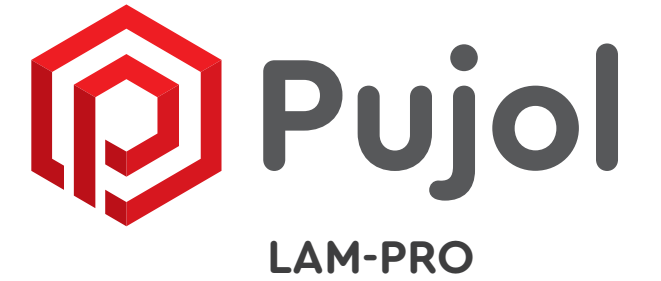


Ready for Industry 4.0

The LAM-PRO series (DUO & TOP) incorporates as standard the PUJOL e-Connect system which allows to obtain remotely and securely the traceability of the process, as well as to perform tele-assistance and production control services.

Pujol e-Connect

*Pujol e-Connect is included as standard in LAM-PRO DUO & LAM-PRO TOP Series



"Our ambition is to get the best solution for each need. There is no limit in glass creation"

Jorge Pujol
CEO Pujol Group



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PUJOL reserves the right to modify this catalog without prior notice, depending on availability and range updates. Subject to modifications techniques.



Hornos Industriales Pujol was founded in 1911 and is managed by the fourth generation. Our more than century-old experience together with Innovation and the constant development of technologies based on heat treatments have led us to lead the technological leadership of the market. Passion, responsibility, commitment, and high adaptation to changes and transformation are the main hallmarks that have led us to be present in more than 100 countries.



Range of Product

LAM-PRO UNO & LAM-PRO DUO

- Flexibility.
- Productivity.
- Software control. (LAM-PRO DUO & TETRA Models)
- Temperature uniformity.
- Ergonomy.
- One, two or four independent cameras, depending on the model.
- Environmentally friendly.
- Quick-closing vacuum bag with Ω letter design.
- LAM-PRO and LAM-PRO DUO ovens sizes are available with bending chambers with an internal height of 500 mm as standard (other sizes are optional).
- Equipped with process and quality control PUJOL e -Connect starting with LAM-PRO DUO models.

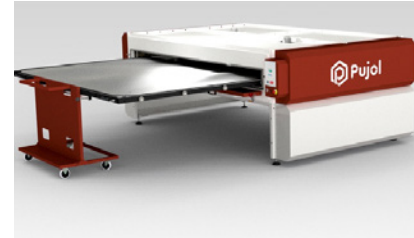


LAM-PRO TOP

- Flexibility.
- Higher productivity.
- Software control in all models.
- Temperature uniformity.
- Ergonomy.
- One, two, three or four independent cameras, depending on the model.
- Environmentally friendly.
- Quick-closing vacuum bag with Ω letter design.
- All sizes of the LAM-PRO TOP ovens are also available with bending chambers with an internal height of 500 mm.
- All LAM-PRO TOP models include as standard the process and quality control: Pujol e-Connect.

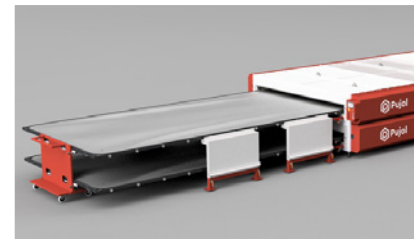


LAM-PRO UNO



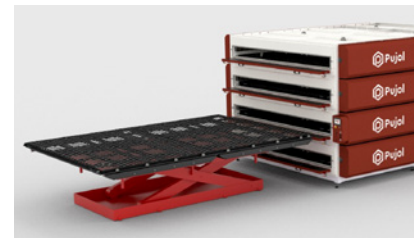
Sizes	Touch screen	Number of chambers	Number of Trays/ Shelves	Power installed	Maximum glass size	
					Max. length	Max. width
32x23	Optional	One	One	25 KW	30/28	20/21
46x30	Optional	One	One	49 KW	44/42	25/28
64x32	Optional	One	One	75 KW	62/60	27/30

LAM-PRO DUO



Sizes	Touch screen	Number of chambers	Number of Trays/ Shelves	Power installed	Maximum glass size	
					Max. length	Max. width
32x23	Yes	2 independent	Two	51 KW	30/28	20/21
46x30	Yes	2 independent	Two	100 KW	44/42	25/28
64x32	Yes	2 independent	Two	150 KW	62/60	27/30

LAM-PRO TETRA

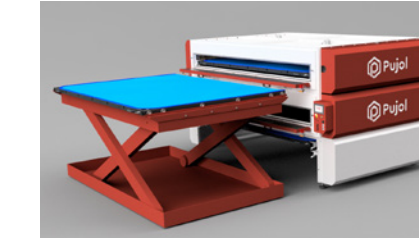


Sizes	Touch screen	Number of chambers	Number of Trays/ Shelves	Power installed	Maximum glass size	
					Max. length	Max. width
32x23	Yes	4 independent	Four	106 KW	30/28	20/21
46x30	Yes	4 independent	Four	205 KW	44/42	25/28
64x32	Yes	4 independent	Four	315 KW	62/60	27/30



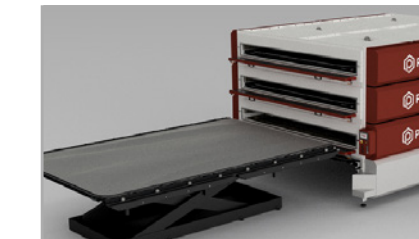
Detail of the bending chamber with an internal height of 500 mm, in a LAM-PRO DUO oven.

LAM-PRO TOP DUO



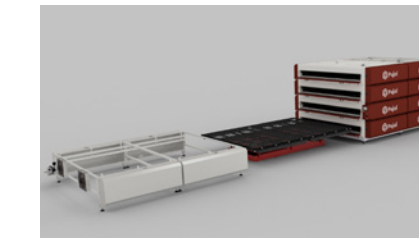
Sizes	Touch screen	Number of chambers	Number of Trays/ Shelves	Power installed	Maximum glass size	
					Max. length	Max. width
32x23	Yes	2 independent	Three	57 KW	30/28	20/21
46x30	Yes	2 independent	Three	105 KW	44/42	25/28
64x32	Yes	2 independent	Three	159 KW	62/60	27/30

LAM-PRO TOP TRIO

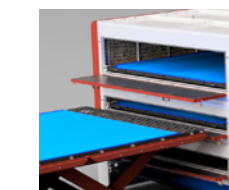


Sizes	Touch screen	Number of chambers	Number of Trays/ Shelves	Power installed	Maximum glass size	
					Max. length	Max. width
32x23	Yes	3 independent	Four	81 KW	30/28	20/21
46x30	Yes	3 independent	Four	154 KW	44/42	25/28
64x32	Yes	3 independent	Four	233 KW	62/60	27/30

LAM-PRO TOP TETRA



Sizes	Touch screen	Number of chambers	Number of Trays/ Shelves	Power installed	Maximum glass size	
					Max. length	Max. width
32x23	Yes	4 independent	Five	107 KW	30/28	20/21
46x30	Yes	4 independent	Five	206 KW	44/42	25/28
64x32	Yes	4 independent	Five	316 KW	62/60	27/30



Detail of the improvement chamber for curved lamination with an internal height of 500 mm in the furnace. Standard size.