



MAZZAROPPI ENGINEERING Srl

Via Cagliari 49 - 04011 Aprilia (LT) - Italy
Tel.: +39-06-92854602

E-mail: sales@mazzaroppi.com • www.mazzaroppi.com

COMPANY DATA

Contacts

Antonio Mazzaroppi - General Manager
Federico Mazzaroppi - Marketing Manager
Bellini Glauco - Service Manager

SALES NETWORK

GERMANY, AUSTRIA AND SWITZERLAND

LECHNER SRL

E-mail: marco-lechner@lechner-srl.com - lechner.srl.arquata@gmail.com

FRANCE

CVMI FRANCE

E-mail: silvia.gentilini@cvmifrance.com - rudy.marcantonio@cvmifrance.com

POLAND

ITALPOL

E-mail: italpol@italpolglass.it

UK

STONE AND GLASS GROUP

E-mail: phil@stoneandglassgroup.co.uk

USA

MATODI INDUSTRIAL LLC

E-mail: ejones@matodigroup.com

COMPANY PROFILE

Since 1958, **MAZZAROPPI** has been offering companies exactly what they need for glass tempering: patented technologies that guarantee high performance and low consumption. This is why Mazzaroppi solutions today guarantee the highest energy efficiency on the market, with consumption up to 70% lower than the competition and top performance.

For us, sustainability means looking to the future, protecting the environment and supporting the development of companies of all sizes that choose our hardening furnaces and equipment.

Mazzaroppi machines are designed according to the Energy Saving Approach, an innovative concept focused on energy saving and integration with Industry 4.0. We use the best materials for the construction of each oven, guaranteeing a life cycle of more than 30 years. Our specialised team is always ready to assist our customers to ensure that their Mazzaroppi oven is always at the top of its game and that their work never stops.





FOUR MAZZAROPPI TECHNOLOGIES REVOLUTIONISE GLASS TEMPERING

ENERGY-SAVING SOFTWARE

The intelligent software that manages every Mazzaroppi plant is focused on increasing efficiency and not only on temperature control, with very low power dissipation. Thanks to the Power Saving Software, it is possible to achieve huge savings in terms of energy and costs in the production process by limiting the absorption peaks.

INTELLIGENT HEATING ZONE

The multi-zone control system divides the upper and lower heating chambers into many small independent zones, each with its own heating element and thermocouple. Thanks to complex optimisation algorithms implemented in the software, the system automatically recognises which areas of the furnace are occupied by glass and in what percentage, switching them on according to actual requirements, limiting current peaks and also favouring the immediate possibility of changing the thickness.

START&STOP FUNCTION: FROM 20° TO 680° IN 1 HOUR

Thanks to the quick start system (just in time), Mazzaroppi furnaces go from 20° C to 680° C in just 30 minutes in the days following the first start-up.

It is therefore possible to completely shut down the system every day, reducing non-productive costs to zero (unlike conventional hardening furnaces). This performance is achieved by using low absorption materials and a low thermal mass inside the oven, which is designed to absorb high and continuous temperature variations. There is no inherent problem with the expansion of components inside the oven, nor with the classic chalking of insulation materials.

97% REDUCTION OF ANISOTROPY

All Mazzaroppi systems, thanks to the automatic multi-zone control, the eco-convention system and the intelligent software, are able to minimise the temperature difference zones (ensuring the most uniform heating and cooling of the glass sheets). The results are incredible: a reduction in anisotropy of up to 97%.



**How much could you save with Mazzaroppi technologies?
Scan the Qrcode and find out with the Energy Saving Check**