Glass tempering furnaces: MAZZAROPPI dispels three common myths

By focusing on today's more compactly-sized glass tempering furnaces as well as their reasonably-priced installation and improved energy-inefficiency, MAZZAROPPI takes a look at how recent innovations have favourably transformed these machines over the years - decidedly for the better.

Numerous companies and glassworks could revolutionise their business by acquiring their own glass tempering furnace. Nonetheless, they often hesitate to take this step. This may be partly due to certain misconceptions that ignore technological advancements that have completely transformed these machines in recent years. Though most consider themselves fully aware of the capabilities of the latest generation of tempering furnaces, Mazzaroppi recently considered the following trio of false assumptions about these highly-specialised machines with a view to redressing them:

A MODEST-SIZED GLASSWORKS CANNOT ACCOMMODATE THE SPACE REQUIRED TO INSTALL A TEMPERING FURNACE >FALSE

Nowadays, there are glass tempering furnaces that are specifically-designed for medium-small glassworks. Their more compact design affords them an easy fit even in limited spaces. For example, the TP Compact by Mazzaroppi is only 15-19 metres long, which makes it possible to install in any standard workshop.

INSTALLING A TEMPERING FURNACE ALWAYS REQUIRES EXPENSIVE CONSTRUCTION WORK AND AN UPGRADE TO ONE'S ELECTRICAL SYSTEM >FALSE

Models out there like the Mazzaroppi TP Compact furnace are designed to troubleshoot any necessity for construction work or support walls. Here's why installing the new machinery is less expensive because, given that it involves neither demolition nor renovation. But there's more. Regarding the electrical system, solutions exist that can be operational with just a 200 kW cabin. Indeed some tempering furnaces equipped with technologies designed to enhance energy efficiency can even reduce the electrical cabin costs by up to 70 percent.

CONSUMPTION OF A TEMPERING FURNACE IS ALWAYS HIGH, MAKING IT AN UNPROFITABLE INVESTMENT >FALSE

Tempering glass requires energy, true enough. However, the latest innovations introduced on the market make it possible now to significantly reduce the energy consumption of tempering furnaces in ways that were unimaginable until recently. With Mazzaroppi furnaces, for instance, one can save up to 70 percent on energy compared to other competing solutions - all the while ensuring very high glass tempering performance.

Such a significant reduction in bills is possible thanks to specialised technologies specifically designed to optimise the energy efficiency of systems. Here, for example, Start&Stop technology allows for furnaces to be powered off every evening such that they can be brought to rise rapidly to temperature the next morning. Likewise for those based upon multi-zone control systems that are designed to heat only those areas occupied by the glass sheet - wasting no non-necessitated energy while concentrating it instead where it's needed. This is why choosing a technologically-advanced furnace can reduce energy consumption facilitating a quicker return on the initial investment.

Innovations in the world of glass tempering are ongoing. Indeed it's possible today to ensure astounding energy performance by choosing the most suitable tempering furnace model for one's needs. For anyone after a furnace that will leave them unconcerned about bills while surpassing typical misconceptions around the machines themselves, Mazzaroppi solutions can offer a really cool alternative. Within this sector they're super energy-efficient - thanks to know-how that's been consolidated and deepened over decades of both activity and continuous research into new technologies - all specially wired to meet the precise needs of companies.

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