Vitrum 2023 lends new traction to MAZZAROPPI's engineering heritage

Always driven by its ambition to redefine the industry landscape, Mazzaroppi Engineering has been an emblem of both evolution and innovation for over the past six decades - offering environmentally and economically sustainable solutions to businesses of all sizes. Indeed faithful to its core values, the family-owned Italian company has engineered numerous technologically-advanced solutions in a constant effort to elevate its machinery to achieve unparalleled performance. Here it underscores four of its most coveted solutions:

POWER SAVING SOFTWARE

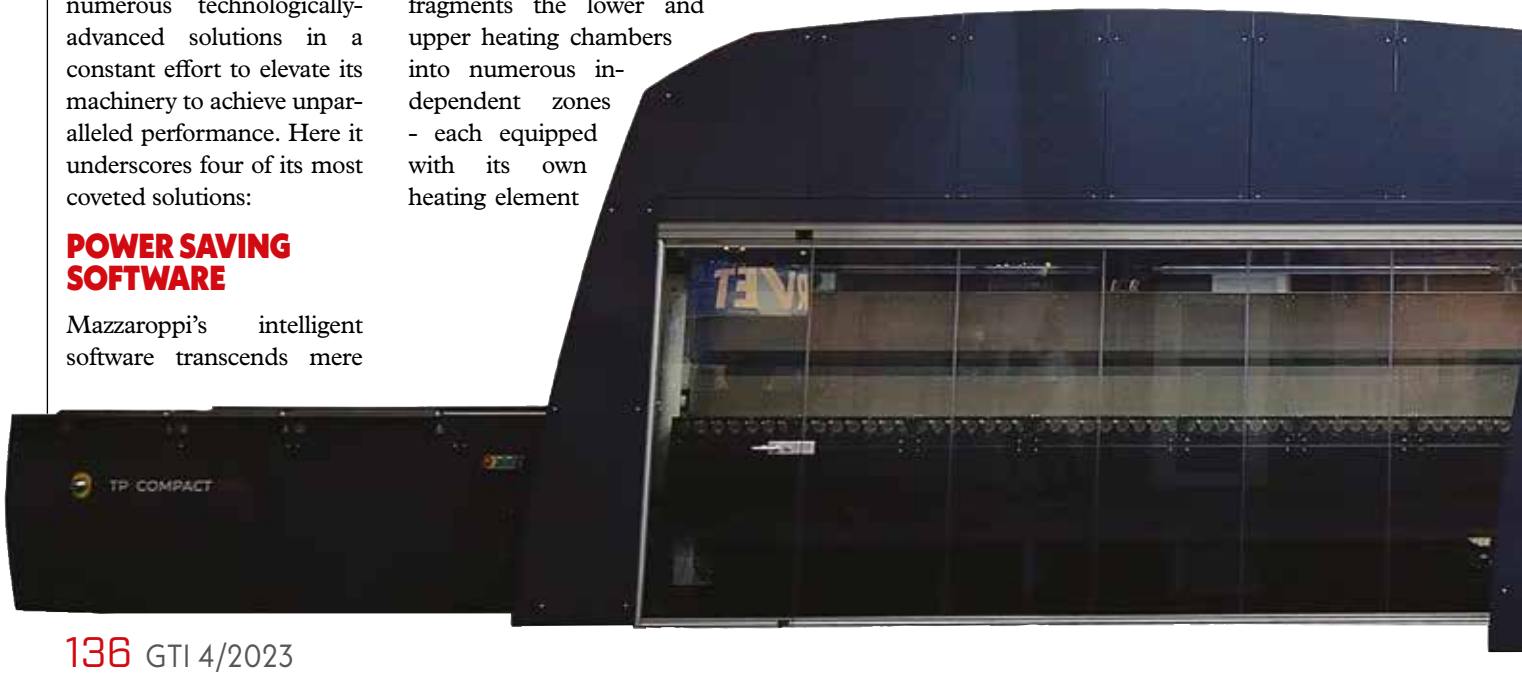
Mazzaroppi's intelligent software transcends mere thermoregulation. Instead it focuses upon optimizing efficiency with minimal dissipation. Through its power saving software, substantial energy and financial savings can be realized by curtailing peak absorption during production.

SMART HEATING AREA

Employing a multi-area control system, Mazzaroppi fragments the lower and upper heating chambers into numerous independent zones - each equipped with its own heating element and thermocouple. Intricate optimization algorithms embedded within the software enable automatic recognition of glass-occupied areas and their respective proportions, effectively activating them according to real-time necessity. This not only curbs peak current demand. It also facilitates seamless adjustments in glass thickness.

JUST-IN-TIME IGNITION: FROM 0° TO 680° IN ONLY AN HOUR

With Mazzaroppi's ingenious rapid ignition system their furnaces swiftly soar from 0°C to 680°C in a mere 30 minutes - shortly after initial commissioning. This extraordinary capability allows for complete daily shutdowns, eliminating unproductive costs typical



As glass tempering innovator, MAZZAROPPI now unveils four transformative technologies. With a proud legacy that spans six-decades, the company typically offers both sustainable solutions and enhanced performance. Company highlights at Vitrum this year include power-saving software, smart heating zones, rapid ignition and 97 percent anisotropy reduction.

of conventional tempering furnaces. Achieved through the integration of low absorption materials and a low thermal mass within the furnace, it adeptly absorbs sustained and high-temperature fluctuations. Consequently, internal furnace components remain unaffected by expansion and the perennial issue of insulation material chalking is deftly averted.

97 PERCENT ANISOTROPY REDUCTION

Mazzaroppi systems, thanks to a trio of automatic multi-zone control, an eco convention system and intelligent software can all minimize different temperature areas (ensuring even heating and cooling of the glass panes). This allows for a decrease of a whopping 97 percent anisotropy.

Mazzaroppi Engineering srl

MAZZAROPPI
HIGH PERFORMANCE. ALWAYS

Via Cagliari 49
04011 Aprilia (LT) - Italy
Tel.: +39-06-92854602
Fax: +39-06-92730082
E-mail: sales@mazzaroppi.com
www.mazzaroppi.com