

MAPPI and STOLL INDUSTRIES: a partnership that delivers measurable value

MAPPI and STOLL INDUSTRIES have forged a partnership that's rooted in efficiency, sustainability and measurable quality. Centered around Mappi's new ATS 4.0 tempering furnace, their team-up blends Italian engineering precision with American craftsmanship, transforming advanced technology into a model of professionalism, transparency and shared environmental responsibility.

In Abbeville, South Carolina, a new chapter of innovation and partnership has begun. The recently installed Mappi ATS 4.0 tempering furnace has officially gone into operation at Stoll Industries, a respected leader in the design and manufacture of glass and metal products for fireplaces, kitchens and outdoor living environments. More than the launch of a new production line, this milestone marks the start of a shared journey grounded in three principles that both Mappi



and Stoll hold at their core: efficiency, sustainability and measurable quality. This trio of values collectively defines a partnership that embodies professionalism, forward thinking and the pursuit of excellence.

IMPECCABLE INSTALLATION, CONSTANT DIALOGUE

From the earliest stages of installation, the collaboration between Stoll's skilled technicians and Mappi's expert engineers exemplified a standard of professionalism that set the tone for the entire project. The Stoll team described Mappi's specialists as "highly qualified, extremely competent and efficient," underscoring an approach defined by precision and respect for deadlines. The start-up phase unfolded seamlessly. Within weeks, the ATS 4.0 was operating at full efficiency, delivering flawless tempering uniformity across every production batch. The system's stability and intuitive interface quickly became evident, allowing Stoll's operators to achieve consistent, replicable quality with remarkable ease. According to Darris Stoll, CEO of Stoll Industries, "communication with Mappi -from quotation to installation- was clear, consistent and of the highest standard." His words highlight a partnership rooted in open dialogue, mutual trust and shared performance objectives.



TECHNOLOGY DESIGNED AROUND PEOPLE

At Mappi, technology is never detached from the human element. The experience of Stoll's operators demonstrates how the ATS 4.0 furnace combines advanced innovation with intuitive operation. Essential functions are immediately accessible and easy to master, while more complex features can be learned progressively as confidence grows. This gradual, user-centered learning curve

reflects Mappi's design philosophy: to create high-performance furnaces that integrate seamlessly into daily production, enhancing both sustainability and operator satisfaction. Every element of the interface, from the touchscreen layout to the adaptive controls, has been designed to make work simpler, safer and more precise. Here, efficiency and sustainability are hardly just abstract ideals for Mappi; they are measurable, actionable realities - embedded in each stage of production.



EFFICIENCY YOU CAN MEASURE: MEC AND MEC INSPECTOR

At the heart of the ATS 4.0 lies MEC - Mappi Edge Computing, a proprietary platform that continuously analyzes production parameters in real time. Through MEC, operators can monitor energy consumption, cycle times, furnace performance and overall equipment effectiveness (OEE), transforming raw data into clear, actionable insights. With MEC Inspector, this analytical precision reaches an even higher level. The system evaluates glass quality before tempering to identify defects, then certifies the final result after processing - creating a complete, traceable record for every single lite. This fusion of digital intelligence and craftsmanship represents a sustainable revolution in quality control. Production becomes transparent, every decision is data-driven and sustainability transforms from a promise into a verifiable performance metric.

TECHNOLOGIES THAT MAKE THE DIFFERENCE

Behind the elegant Italian design of the ATS 4.0 lies a



constellation of proprietary Mappi technologies that set new benchmarks in energy efficiency and precision:

- MHS (Multizone Heating System) dynamically activates only the zones required for each load, minimizing waste and optimizing thermal curves.
- ATI (Active Thermal Insulation) ensures even heat distribution while reducing dispersion, achieving remarkable energy savings.

- GHBS (Xtreme Profile Convection) maintains a perfect balance between air pressure and temperature throughout the tempering process.

The result is a combination of consistency, versatility and measurable energy reduction - delivering premium glass quality regardless of thickness or composition.

SUSTAINABILITY AS A MEASURABLE VALUE

For Mappi, sustainability

extends far beyond energy savings. It represents a continuous cycle of improvement - producing more with less, maximizing flexibility and refining every phase of manufacturing. Each furnace is conceived not merely as a machine, but as an intelligent ecosystem that translates every data point into an opportunity to enhance performance and reduce environmental impact. Through this approach, sustainability becomes both tangible and strategic - a shared value across the entire supply chain, empowering customers like Stoll Industries to manage production precisely as they envision it.

A 'TIER 1' APPROACH

"From people to product, a level of excellence that's truly Tier 1." With this succinct statement, Darris Stoll captured the essence of the Map-

pi-Stoll collaboration: a partnership defined not only by the quality of the furnace itself, but by the integrity and professionalism that sustain it. A Mappi furnace embodies advanced engineering, yet its true strength lies in the relationships it fosters. Each installation becomes a bridge of trust - built upon expertise, maintained through dialogue and strengthened by shared values. Here's how Mappi seeks to continue transforming technology into partnership and partnership into enduring excellence.



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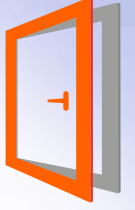
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