

Sidel introduces SWING Evo Pasteuriser, Redefines Efficiency through Intelligent Design

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Sidel unveils SWING Evo, its next-generation tunnel pasteuriser that combines smart modular design with a breakthrough counterflow concept, setting a new benchmark for sustainability and performance in beverage production.

Drawing on decades of industry expertise, Sidel's SWING Evo introduces an innovative counterflow concept and modular design, allowing beverage manufacturers to precisely control pasteurisation, water usage and energy consumption for each module.

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“SWING Evo pushes the boundaries of sustainability through introducing true modular efficiency,” said Andrea Solfa, Product Manager Tunnel and Site Leader at Sidel. “By ensuring that each module is autonomous and running the top and bottom decks in opposite directions, we have been able to create a pasteuriser that optimises every drop of water and kilowatt of energy with no trade-off on quality.”

Thanks to its counterflow configuration and dedicated heat and water circuits, SWING Evo minimises heat dispersion and eliminates unnecessary circulation between tanks. Each module is independently controlled, allowing the system to adapt precisely to production needs.

This solution offers significant sustainability advantages for beverage producers transitioning their operations, achieving reductions of 10 per cent in water consumption, 35 per cent in electricity usage and 10 per cent in steam utilisation.

“Every aspect of the design was re-engineered for efficiency,” continued Solfa. “From the shorter piping path to the predictive control of cooling media, SWING Evo proves that less is more.”

Building on Sidel’s renowned pasteurisation expertise, SWING Evo integrates the PRINCE X predictive control system, ensuring precise product treatment and eliminating under/over-pasteurisation risks. It automatically analyses product temperature evolution and adjusts spray conditions in real time, even during production downtimes or power interruptions.

This intelligent control system also gives producers greater format flexibility, enabling optimal settings for a wide variety of Stock Keeping Units (SKUs) and operating conditions, including operation as a standalone cooler without additional devices or complexity.