

BÄ¼hler launches OmniCool smart cooling tunnel

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BÄ¼hler has introduced OmniCool Smart, a compact, next-generation cooling tunnel engineered for product and chocolate cooling, delivering high product quality in the compact market segment. The new system helps customers cut energy consumption and reduce operating costs through a streamlined, maintenance-friendly design.

“OmniCool Smart is the ideal compact cooling solution for today’s and future production needs. It ensures consistently high product quality, significantly reduces cleaning and maintenance requirements, and supports customers in reducing their carbon footprint,” says AndrÄs Somfai, Head of Product Management & Process Engineering at BÄ¼hler.

Unlike traditional cooling tunnels that rely on compressed air, OmniCool Smart operates entirely on electricity. Compressed air systems are energy-intensive and require regular maintenance. Fully electric systems offer a quieter, more efficient, and low-maintenance alternative, reducing energy use, cutting costs, and supporting more sustainable operations. Additionally, OmniCool Smart optimises airflow, temperature control, and belt tracking to deliver perfectly cooled fruit, cereal, snack, and protein bars, as well as enrobed wafer and biscuit products, combining superior product quality with enhanced energy efficiency and reduced environmental impact.

OmniCool Smart features a modular design with the cooling section positioned underneath, ensuring optimal cooling performance while minimising overall height. Its innovative belt tracking system incorporates the latest sensor technology to deliver ideal operating conditions. Designed for easy maintenance and cleaning, this cooling tunnel reduces downtime and enhances overall equipment effectiveness.

OmniCool Smart is designed for full integration into existing production lines. It can be operated either from the previous machine in the line or directly via its control panel (human-machine interface, HMI). PlayOne HMI visualisation software reflects BÄ¼hler’s user-centric design philosophy, enabling efficient, safe, and seamless interaction with the system. Operators benefit from intuitive controls that simplify configuration and monitoring, both at the equipment or via smart devices.