

Bosch Industrial Heat at Drinktec: Hall B5, stand 328

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Save energy and protect the environment – energy-efficient process heat for the beverage industry

At Drinktec 2025 in Munich, Germany, between 15th and 19th September, Bosch Industrial Heat will showcase tailor-made solutions for energy-efficient process heat in the beverage and liquid food industry. From the 100 % electrical ELSB steam boiler with a steam capacity of up to 8,300 kg/h to using waste heat and biogas, as well as condensate recovery – Bosch Industrial offers the right boiler technology for a wide range of requirements and helps companies to sustainably optimise energy-intensive processes, such as heating, pasteurising, sterilising and cleaning.

A practical example of energy-efficient process heat is the project with Lactalis. At its site in Stranraer, Scotland, the largest dairy in the world produces 32,000 tonnes of cheddar annually and processes up to 1 million litres of milk every day. “Steam production on site is pivotal to our manufacturing process for both producing our products and also for cleaning,” explains Jon Gore, Engineering Manager at Lactalis UK & Ireland. Bosch Industrial UK replaced the existing plant with a new UL-S steam boiler system that was custom-designed with efficiency equipment, control technology and complete water treatment. The result is almost 27 % less gas consumption, 60 % electricity savings and water consumption reduced by 190 m³. In addition to the technical solution, Bosch also impressed with its comprehensive support. “The project team at Bosch have been involved since day one, right from conception to final installation and commissioning. The thing that stands out for me is the whole coordination of the project, Bosch really led in that respect,” emphasises Jon Gore.

This practical example shows that steam provision is an important lever for lowering running costs and reducing emissions. How much energy and CO₂ could your boiler system save? Do you also want to make your boiler house state of the art? Bosch experts provide breweries, beverage manufacturers and dairy factories of all sizes all around the world with advice about which solutions

would be best suited to their infrastructure, processes and individual requirements.



Image_01: Powered by Bosch: The world's largest dairy operates a new Bosch steam boiler system at its site in Stranraer.



Image_02: Bosch boiler technology for efficient processes at the dairy factory – optimally tailored to Lactalis' requirements.



Image_03: Bosch Industrial Heat will also be presenting the new ELSB electric steam boiler at the trade fair stand – 100 % electric and CO₂-neutral with green electricity.

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Bosch Industriekessel GmbH, a company of the Bosch Home Comfort Group, has been developing and manufacturing project-specific heating and process heat systems for more than 150 years. In keeping with its “Invented for life” principle, Bosch Industriekessel creates future-proof energy systems. The steam and hot water boilers increase the energy efficiency in production, buildings and district heating grids – by means of sustainable energy use and the seamless integration of Industry 4.0 applications. CO₂-neutral heating and process heat solutions with hydrogen and electrification help pave the way to carbon-neutral heating. Around the world, Bosch Industriekessel customers are offered a universal product portfolio, as well as planning support, project management and after-sales services such as maintenance and 24/7 support – all from one source.

Additional information is available online at www.bosch-industrial.com

The Bosch Group is a leading global supplier of technology and services. It employs roughly 417,900 associates worldwide (as of December 31, 2024). According to preliminary figures, the company generated sales of 90.5 billion euros in 2024. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch’s broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is “Invented for life,” Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch’s global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch’s innovative strength is key to the company’s further development. At 136 locations

across the globe, Bosch employs some 86,900 associates in research and development, of which nearly 48,000 are software engineers.

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