

Premiere at the Goldsteig cheese dairy: success story of HPC KAESER blowers



An HPC KAESER EBS series screw blower is making wastewater treatment considerably more efficient and effective at the Goldsteig dairy factory in Cham in the Upper Palatinate region of Germany.

Goldsteig Käserei Plattling eG and the local Cham dairy producers' association underwent a merger in 1992 to form Goldsteig Käsereien Bayerwald GmbH – today Germany's most in-demand mozzarella producer and exporter to all of Europe.

Another merger followed in 1998, this time with Ostbayerischen Milchwerken eG, and finally in 2000 Goldsteig merged with the local Straubing dairy producers association. Today the product range encompasses cheeses such as mozzarella, Emmental, semi-hard cheese, Camembert and Limburger, as well as butter, ricotta and mascarpone.

The fully automated facility for producing semi-hard and hard cheeses erected in Cham in 2006 meets the highest quality standards. The computer-managed high-bay warehouse ensures optimal storage and retrieval, and most importantly – that the Goldsteig products are always fresh when delivered to customers.



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Blowers for wastewater treatment

Whether as part of the production process or for cleaning purposes, a lot of water is involved in large-scale cheese making. At the Goldsteig cheese factory, wastewater is collected in large tanks and treated sufficiently to allow for disposal into the regular sewage system. As in most modern treatment plants, the process relies on special strains of bacteria which require a sufficient supply of oxygen: both to perform their purification functions and to reproduce, which is essential for the process to be maintained continuously.

The submersible blowers previously used at Goldsteig were recently replaced by direct ventilation through a membrane installed on the tank floor. It was a good opportunity to deploy one of the new HPC KAESER screw blowers capable of reliably delivering the required quantity at pressures of 1000 mbar, even with ten metres of water-column – with exemplary energy efficiency. The profile of the rotors in the airend is derived from the famous energy-saving “Sigma profile” used in the rotors of HPC KAESER’s rotary screw compressors. Thanks to the inner seal, this means more air and more savings with impressive reliability and durability.

The blowers are ultra-quiet and induce only minimal, barely measurable vibrations into the pipe system.

Another feature of the HPC KAESER screw blowers primarily intended for the pressure range from 500 to 1000 mbar is their design as complete systems, delivered ready for use as “plug and play” units. This streamlines installation and reduces the associated cost and effort – in short, an all-round success.

The Golden Road (Goldener Steig)

The name Goldsteig harks back to the Golden Road, an important trade route that connected Bohemia to the Danube in the Middle Ages. It was used to transport salt to Bohemia, while grain was mainly transported in the other direction.

[Get in touch](#) if you have any questions or are looking for advice about the best compressed air solution for your operation to achieve the lowest total lifecycle costs. HPC KAESER offers a range of products, including blowers and rotary screw compressors supported by experienced and knowledgeable engineers and a nationwide network of authorised distribution partners. [Contact us](#) to find out more.

