PRESS RELEASE

Process technology

Product quality along the entire line: KHS presents process technology portfolio at BrauBeviale

- Trade show focus on compact flavor-dosing systems
- Tailored to customer requirements: Innopro Contimix C and Paramix C blending systems
- KHS expands engineering and production capacities at its international locations

Dortmund/Nuremberg, November 12, 2026 – The worldwide demand for process technology systems has greatly increased. Ever more complex recipes and high raw materials prices are intensifying the requirements made of precise dosing and blending procedures. In this context, from November 10 to 12 KHS is presenting its expansive portfolio of process technology at BrauBeviale, including a compact system for precise flavor handling. KHS is also expanding its international capacities to meet the growing market demand.

In beverage production, process technology lays the foundations for taste and product quality, emphasizes Tobias Cherdron, product manager for process technology at KHS. “It’s essential that all components are perfectly coordinated with one another, that they satisfy specific customer requirements and function totally reliably.” KHS pursues this strategy with its holistic process technology portfolio that ranges from raw materials acceptance to the ready-to-bottle product. Modular in design and freely combinable, the spectrum includes filtration, sugar

dissolving, dosing, blending, deaeration, carbonation, heating and cleaning, among other functions.

Efficient process technology tailored to the entire line

The manufacture of soft drinks illustrates how this interaction of the various components works in practice. Syrup forms the basis here that customers either buy in ready-made or produce themselves from sugar. When fabricated on site, at the first stage sugar is dissolved using the Innopro Delta Jet B machine or, for larger batches, the Innopro Delta Jet C. Following this, various blending and dosing modules such as the Innopro Batchmix add further ingredients to the syrup: flavoring, acid or caffeine, for instance. At BrauBeviale, KHS will be demonstrating how these batch-wise processes are technically realized on an exhibit flavor-handling unit. This manually empties 25-liter containers and doses flavoring using a pump into a continuous blending system like the Innopro Contimix C.

With the Innopro Paramix C and Contimix C, KHS provides two powerful machines for beverage deaeration, blending and carbonation. Which variant is used depends primarily on the method of syrup manufacture and respective product range. The first is a compact unit tailored to customers who make large quantities of their own syrup and have a broad product spectrum. The Innopro Contimix C, on the other hand, is aimed at users who have just one to two main products or have no or only a small syrup room. This combines simultaneous dosing of up to ten syrups and other ingredients stored in connected dosage tanks and the subsequent blending of all components in the main machine to produce the finished beverage.

Systemized automation: precise, reliable, reproducible

The hygienic design of the machines, their high degree of automation and precise control systems help to ensure consistent product quality and very good process reliability. “Automated, recipe-controlled process reproducibility,

dependable material traceability and data evaluation and archiving are features that are in particular demand by customers," states Cherdron.

For materials management KHS relies on Plant iT, the established process control system from ProLeiT. It's used on the Innopro Contimix C and in syrup rooms, among other equipment. Each beverage component has a bar code. When the operator moves a component to a specific place on the machine, they scan both the slot and the component using a handheld scanner. The system then automatically recognizes whether the container is in the right place or not or whether the right ingredient is being added to the tank, for example. This actively prevents incorrect components from entering the product. What's more, ProLeiT enables data to be archived.

KHS also uses consistent sensor and actuator technology with digital communication in its process technology. Automated fault diagnosis via the Ethernet or IO-Link considerably helps to detect disruptions in good time and precisely locate them so that they can be specifically remedied.

One particular challenge in process technology is ultimately the complex interaction of the various components. To ensure this, KHS makes use of digital 3D machine and piping planning. "Machines, tanks and piping conduits must be precisely coordinated with one another. Thanks to extensive 3D engineering and many years of consultancy expertise, we can implement the respective customer specification transparently and according to demand," says Cherdron.

Expansion of international production capacities

The demand for soft drinks and mixed beer beverages across the globe has significantly increased over the last few years. This trend is noticeable at KHS, too, Cherdron says. "Our order volume for process technology has undergone a very positive development in the past few years. A clear rise in this segment is emerging for 2026."

With a view to market growth, KHS is preparing itself in advance and expanding its worldwide engineering and production capacities. The aim is to harmonize the product portfolio across all locations in order to offer national and international customers a consistently high level of quality. In the future, the Innopro Paramix C blending system will also be manufactured at the KHS factories in São Paulo, Brazil, and in Waukesha, USA, for instance. Intersite cooperation will permit specific market and customer requirements to be better integrated into global products. At the same time, future worldwide use of systems developed regionally, such as sugar decolorization modules, will be possible. To Cherdron, the advantages of this are obvious. “When we produce locally, we can respond even more efficiently to specific market demands. Our production sites employ qualified personnel with a high level of specialist expertise, also regarding service. They give us proximity to our customers, allowing us to be a close and reliable partner to them. This makes coordination easier, especially of the process technology systems used in day-to-day business operations.”

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Picture captions

Tobias Cherdron

“Our order volume for process technology has undergone a very positive development in the past few years. A clear rise in this segment is emerging for 2026,” says Tobias Cherdron, process technology product manager at KHS.

Process technology

KHS provides its customers with modular, freely combinable systems for filtration, sugar dissolving, dosing, blending, deaeration, carbonation, heating and cleaning.

Innopro Batchmix

The Innopro Batchmix blending and dosing system adds further ingredients to the sugar syrup such as flavoring, acid or caffeine.

Innopro Paramix C

The Innopro Paramix C is designed as a compact unit for beverage deaeration, blending and carbonation.

ProLeiT

KHS relies on the proven ProLeiT process control system for materials management.

About the KHS Group

The KHS Group is one of the world's leading manufacturers of filling and packaging systems for the beverage and liquid food industries. Besides the parent company (KHS GmbH), the group includes various subsidiaries outside Germany, with production sites in Ahmedabad (India), Waukesha (USA), Zinacantepec (Mexico), São Paulo (Brazil) and Kunshan (China). It also operates numerous sales and service centers worldwide. KHS manufactures modern filling and packaging systems for the high-capacity range at its headquarters in Dortmund, Germany, and at its factories in Bad Kreuznach, Kleve, Worms and Hamburg. The KHS Group is a wholly owned subsidiary of the SDAX-listed Salzgitter AG corporation. In 2025 the KHS Group and its 5,769 employees achieved a turnover of around €1.649 billion.

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