

Press Release

Schaeffler at drinktec 2025 (Hall C4, Booth 439)

## **Products and services for greater hygiene, efficiency, and reliability**

SCHWEINFURT, 2025-09-04.

- Schaeffler presents portfolio specially tailored to the high standards in the beverage filling segment
- New KUEM stainless steel miniature monorail guidance system and new KLLT four-row linear recirculating ball bearing and guideway assembly for various handling axes
- Condition monitoring solutions for the smooth and economic operation of beverage filling systems

With innovative solutions for greater reliability, efficiency and hygiene, the Motion Technology Company Schaeffler is set to present its comprehensive range of products and services for food and beverage production at drinktec 2025. As Schaeffler offers dedicated solutions along the entire process chain, its exhibit is divided into three thematic areas – processing, filling and packaging.

Food and beverage production companies generally need to reconcile stringent hygiene, maximum efficiency, high flexibility, continuous operational reliability and cost effectiveness to remain competitive while meeting consumer needs and environmental regulations. Schaeffler offers an extensive portfolio to satisfy these exacting requirements. The focus is on newly developed linear guidance systems and bearing solutions that offer increased energy efficiency, durability and precision as well as a hygienic design concept. Digital condition monitoring systems ensure more cost-efficient and trouble-free plant operation.

### **Filling: dynamic, heavy-duty, and efficient solutions in hygienic environments**

For applications such as filling systems, which have strict hygiene standards, Schaeffler offers a range of products specifically tailored to meet the requirements of the sector. This includes the KUVE-B range of linear recirculating ball bearing and guideway assemblies with an optimized lubrication and sealing package comprising a KIT450 long-term lubrication unit, additional wipers with double lip, non-contact sheet steel wipers, and the Arcanol FOOD2 lubricant. The uniform distribution of the lubricant in the carriages also reduces the amount of lubricant needed. By using these linear guides, operators can save around 50 percent lubricant and 70 percent maintenance costs. Service lives of more than 50,000 kilometers without re-lubrication are possible.

For the numerous axial bearings and slewing rings of fillers, cappers etc., Schaeffler offers one of the largest ranges of bearings with high tilting rigidity on the market. These include SGL axial angular contact tapered roller bearings, XU crossed roller bearings with flange mounting on inner and outer ring, XV crossed roller bearings with flange mounting on outer ring, and VU four-point contact bearings.

High electricity prices are having an impact when it comes to new designs for carousels, for example for starwheels, so designers are looking for new and energy-efficient drive solutions. With a direct drive like the RIB torque motor from Schaeffler, efficiencies of around 0.92 can be achieved, whereas geared motor solutions only achieve overall efficiencies of 0.73–0.75. Using this direct drive can save several tens of thousands of euros in energy costs and more than 100 tons of CO<sub>2</sub> emissions over the life of a single beverage filling system.

#### **Packaging: durable and proven components for maximum availability**

When it comes to packaging technology, the industry is focusing primarily on durable and reliable standard components. For this purpose, Schaeffler presents its proven linear technology portfolio for the food and beverage industry, including track roller and shaft guidance systems, the new stainless steel KUEM miniature monorail guidance system, and the new KLLT four-row linear recirculating ball bearing and guideway assemblies for a wide range of handling axes. With its KLLT series, Schaeffler now offers a four-row “all-round” linear recirculating ball bearing and guideway assembly in an X arrangement for substructures with lower precision requirements, as well as a series in an O arrangement that meets strict requirements for precision, rigidity, and load-bearing capacity. Worthy of particular mention among the company’s rotary bearing solutions are its radial insert ball bearing housing units, which have a new design. Open fastening eyelets, slopes on the housing, and generous 45-degree bevels facilitate the outflow of cleaning fluids and the drying process. Thanks to the hygienic design concept, they can be cleaned very easily and have no space for undesirable bacteria to grow. The housing units come in a glass fiber reinforced plastic with FDA approval or in stainless steel, so they are both corrosion- and media-resistant. All deep groove ball bearings are in corrosion-resistant stainless steel.

#### **Processing: your partner for smooth-running processes**

With its portfolio from the Lifetime Solutions division, Schaeffler offers innovative solutions for the smooth and cost-efficient operation of beverage filling systems. The exhibit includes Schaeffler OPTIME, a self-networking, self-configuring condition monitoring system that can automatically monitor more than 90 percent of all drive systems in the beverage industry. The battery-operated system can be easily installed by operators themselves. The smart lubricator OPTIME C1 is equally

innovative. By monitoring the lubricant level it makes route-based maintenance schedules superfluous and is thus revolutionizing maintenance workflows. Without requiring major investment, the extensive OPTIME portfolio enables system availability to be increased and allows a substantial reduction in maintenance costs. As a rolling bearing manufacturer, Schaeffler knows how important it is to use high-quality lubricants adapted to the application. In Munich, therefore, Schaeffler will present its Arcanol lubricating greases and the benefits they offer for wear reduction and extended service life.

With its trade fair appearance at drinktec 2025, Schaeffler is underlining its role as a reliable partner to the food and beverage industry. At the Schaeffler booth, visitors can see for themselves the company's practical applications, industry-specific innovations, and comprehensive range of services.

Further information about Schaeffler at drinktec 2025 can be found [here](#).

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Schaeffler Group – We pioneer motion: The Schaeffler Group has been driving forward groundbreaking inventions and developments in the field of motion technology for 80 years. With innovative technologies, products, and services for electric mobility, CO<sub>2</sub>-efficient drives, chassis solutions and renewable energies, the company is a reliable partner for making motion more efficient, intelligent, and sustainable – over the entire life cycle. Schaeffler describes its comprehensive range of products and services by means of eight product families: From bearing solutions and all types of linear guidance systems through to repair and monitoring services. Schaeffler is with around 110,000 employees and more than 250 locations in 55 countries, one of the world's largest family-owned companies and one of Germany's most innovative companies.

The newly developed stainless steel KUEM miniature monorail guidance system (left), and the new KLLT four-row linear recirculating ball bearing and guideway assemblies for a wide range of handling axes. Image: Schaeffler

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new KLLT four-row linear recirculating ball bearing and guideway assemblies for a wide range of handling axes. Image: Schaeffler

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Linear recirculating ball bearing and guideway units of the KUVB series are offered with an optimized lubrication and sealing package. The package includes a KIT450 long-term lubrication unit, additional wipers with double lip, non-contact sheet steel wipers, and the Arcanol FOOD2 lubricant. Image: Schaeffler

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Consistently designed for the food and beverage industry: the new bearing housing units. Image: Schaeffler

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Consistently designed for the food and beverage industry: the new bearing housing units. Image: Schaeffler

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Arcanol FOOD2 is a lubricant grease approved for use in the food industry with NSF-H1 certification. Image: Schaeffler

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Without requiring major investment, the extensive Schaeffler OPTIME portfolio enables system availability to be increased and allows a substantial reduction in maintenance costs. OPTIME allows for automated condition monitoring of drives, units, and entire production lines as well as automatic lubrication (OPTIME C1).. Image: Schaeffler

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