

Press Release

Schaeffler at the Hannover Messe 2022

Schaeffler exhibits sustainable solutions for the food industry and innovations for robotics at Hanover trade fair

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- Sustainable engineering and new product portfolio for the food and packaging industry
- Expansion of the product range for lightweight robots and cobots, and presentation of strain wave gears with an integrated sensor system
- Enlargement of the solution portfolio to include high-precision planetary gearboxes

The food and packaging industry, and the robotics industry, are two sectors with a high global demand for innovative solutions, and will be the main focus of Schaeffler's attention at this year's Hannover Messe. As Ralf Moseberg, head of the Industrial Automation business unit at Schaeffler, emphasized, the food and packaging industry is currently caught up in a maelstrom of sustainability, lower production costs, and strict hygiene guidelines. Schaeffler will be presenting its new food-based product range in Hanover, as well as demonstrating ways of solving the aforementioned challenges faced by the industry using automation solutions which have been derived in practice. Ralf Moseberg and his employees view "sustainable engineering" as a major instigator in reducing energy and raw material consumption, while simultaneously securing considerable benefits for the customer. Designers and developers are encouraged to conduct more extensive analyses of existing solutions with regard to the use of resources, durability and wear, and operating costs, and to look for alternatives. Examples of how digitalization and sustainability can be combined to ideal effect in everyday operations will also be demonstrated in Hanover.

For the second year in a row, robotics will be one of the Schaeffler topics taking center stage at the Hannover Messe – albeit on a purely digital basis like last year. A substantially expanded range of precision strain wave gears and a sensor-based strain wave gear will be presented for the first time this year, both for use in articulated arm robots with a payload of up to around 20 kg. "We are adopting a new, innovative approach with the integrated torque sensors, both in design and technological terms, which has aroused considerable interest among our pilot customers," explains Moseberg.

Schaeffler will also present its portfolio of PSC-series high-precision planetary gearboxes for industrial robots in Hanover. These are characterized by a torsional

backlash that is ten times lower and a service life that is three times longer than the market standard. Such large leaps in development are seldom seen in mechanical engineering and allow new fields of application to be opened up.

Schaeffler Group – We pioneer motion As a leading global supplier to the automotive and industrial sectors, the Schaeffler Group has been driving forward groundbreaking inventions and developments in the fields of motion and mobility for over 75 years. With innovative technologies, products, and services for electric mobility, CO₂-efficient drives, Industry 4.0, digitalization, and renewable energies, the company is a reliable partner for making motion and mobility more efficient, intelligent, and sustainable. The technology company manufactures high-precision components and systems for powertrain and chassis applications as well as rolling and plain bearing solutions for a large number of industrial applications. The Schaeffler Group generated sales of approximately EUR 13.9 billion in 2021. With around 83,000 employees, Schaeffler is one of the world's largest family companies. With more than 1,800 patent applications in 2021, Schaeffler is Germany's third most innovative company according to the DPMA (German Patent and Trademark Office).

Schaeffler will introduce its new product range for the "Food, Beverage & Packaging" sector at the Hannover Messe 2022. The plastic used in the new radial insert ball bearing and housing units has been optimized from a hygiene perspective.

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New precision strain wave gear from Schaeffler with integrated sensor system

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Ralf Moseberg, head of the Industrial Automation Business Unit at Schaeffler

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