

Press and IR Release

CES 2026

Schaeffler shows motion technology portfolio for the industry of the future

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- Schaeffler presents innovative solutions for humanoids, energy generation and autonomous handling systems
- Highlights: actuators for humanoid robots, high-performance bearing solutions for energy generation, and autonomous material handling solutions
- Schaeffler accelerates digital transformation by combining mechanical precision with AI

Schaeffler, the leading Motion Technology Company, will present its comprehensive motion technology portfolio at the Consumer Electronics Show 2026 (CES) in Las Vegas. The exhibition will highlight intelligent motion components and systems that address key industry challenges across humanoid robotics, energy generation, industrial automation, and vehicle technology. By generating high-quality data essential for AI applications, such as predictive maintenance, digital twins, and autonomous operations Schaeffler enables its customers in improving performance, reducing downtime, and advancing sustainability goals.

Klaus Rosenfeld, CEO of Schaeffler AG, says: "CES is the leading fair for breakthrough technologies. As a pioneer in motion technology, Schaeffler is the partner of choice when it comes to enabling innovations and thus shape the industry of the future. At CES 2026, we are demonstrating how our advanced solutions are accelerating the digital transformation of key industries by seamlessly combining mechanical excellence with digital intelligence."

Innovative planetary gear actuator for humanoid robots

For the first time ever, Schaeffler will present its planetary gear actuator developed specifically for humanoid robots. The actuator enables smooth back-driving and high precision thanks to its innovative design, supporting the broader adoption of humanoid robotics in industrial and commercial settings to increase productivity and reduce repetitive, demanding tasks. The highly efficient drive system, designed and manufactured entirely by Schaeffler, combines a two-stage planetary gearbox, electric motor, encoder, and controller in a compact, space-optimized unit.

Advanced motion solutions address global energy demand

Schaeffler will showcase high-performance bearing solutions that enhance efficiency and reliability in energy generation and data centers to meet surging demands. These engineered components help maximize uptime and performance across conventional and renewable energy systems, including wind turbines and solar trackers, while also protecting critical equipment like HVAC motors in data centers from electrical erosion.

Autonomous material handling solutions for smarter manufacturing

Schaeffler is advancing intelligent industrial automation with high-precision motion and mechatronic solutions. The company will showcase autonomous material handling solutions, including a forklift demonstrator designed to navigate tight spaces where traditional equipment cannot operate. By replacing hydraulic systems with precise electromechanical actuators and integrating advanced steering, traction, battery management, and predictive maintenance, Schaeffler enables manufacturers to boost productivity, overcome labor shortages, and create AI-enabled, highly efficient production environments.

Innovative technologies to enable software-defined vehicles

At CES, Schaeffler will showcase solutions for software-defined vehicles (SDVs) that simplify vehicle architectures, enable real-time control, and reduce reliance on rare-earth materials. The company highlights advanced Master and Zone Controller architectures, magnet-free sensors and actuators, and compact modules like the SuperBox 4-in-1 power electronics solution. These technologies help OEMs transition to autonomous, electrified, and software-enabled vehicle platforms.

Experience the future of motion technology at CES 2026

Schaeffler will showcase its latest motion technologies at CES 2026, where visitors can explore live demonstrations and speak with Schaeffler experts at booth 7301 in the West Hall of the Las Vegas Convention Center, January 6-9.

Learn more about Schaeffler's appearance at the Consumer Electronics Show:

[Schaeffler at CES 2026](#)

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, CO₂-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.

Schaeffler will bring its latest motion technology innovations to life at CES 2026, booth 7301 in the West Hall.. - Picture: Schaeffler

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Schaeffler's planetary gear actuator ensures precise movements in robot joints and enables continuous-duty operation. - Picture: Schaeffler

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The autonomous forklift demonstrator combines precise electromechanical actuators that enable navigation in tight spaces. - Picture: Schaeffler

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