



WITTENSTEIN at SPS 2026: Mechatronics and digital innovations

At this year's SPS – Smart Production Solutions from November 24 to 26, 2026 in Nuremberg, the WITTENSTEIN group once again demonstrates how challenging requirements can be transformed into intelligent drive solutions. The exhibit in Hall 4, Booth 4-221 showcases innovations for system design, integration, digital intelligence and the next generation of cybertronic motion systems.

WITTENSTEIN puts its motto "Shaping the world of cybertronic motion. Together." into practice by developing and implementing customized drive solutions for demanding applications. With a wide-ranging product portfolio that combines the advantages of standardized platforms with expertise in bespoke solutions, the aim is to unlock the full potential of machines – whilst overcoming limitations on performance, controllability and integration. Through close dialog with our customers, WITTENSTEIN combines technology and application expertise to optimize every movement to the max.

SP+ HIGH SPEED Generation 3: The new generation of precision gearboxes for performance and productivity

The performance of the SP+ HIGH SPEED Generation 3 precision gearbox series from the alpha Advanced Line opens up new opportunities for machine manufacturers to make their machines more powerful, more efficient and more robust. The new SP+ HIGH SPEED combines exceptionally high continuous speeds – roughly twice the current market standard – with improved controllability and thermal characteristics that have been significantly enhanced further still. The result is more compact machines, better performing drive systems, higher productivity and more reliable operation. The upshot is that the new SP+ HIGH SPEED doesn't just deliver a faster gearbox – it enhances the entire drive system.

Galaxie® GA: Maximum design flexibility for parallel-axis drive solutions

September 24, 2026

The WITTENSTEIN group develops, produces and sells gearboxes, motors and electronics as well as high-precision drive systems and solutions, nanotechnology and specific software solutions.



The new SP+ HIGH SPEED Generation 3

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With the Galaxie® GA series, WITTENSTEIN galaxie is ushering in a whole range of applications by adding an especially flexible drive concept to its Galaxie® technology. A spur gear stage installed upstream allows for the compact integration of a wide variety of industrial motors and gearbox variants from the WITTENSTEIN product range, to suit each application. The modular design also enables the incorporation of coaxial or right-angled input stages. Another, often decisive, advantage is that the hollow shaft of the Galaxie® – essential in many applications – is retained in full, regardless of the chosen input stage or connected motor. This way, media, cables and other functional elements can continue to be routed centrally through the gearbox. At the same time, users of the Galaxie® GA can benefit from the unique performance of Galaxie® technology, with its high torque density, exceptional torsional rigidity and absolute zero backlash.

More torque in the existing space: Size 60 cyber® dynamic actuator R now available

With the launch of the cyber® dynamic actuator R in a new, powerful size 60, WITTENSTEIN cyber motor has now completed the cyber® dynamic motor series of servo motors, which was first unveiled at last year's SPS, with a high-quality, corrosion-resistant stainless steel housing. Featuring torques of up to 64 Nm, the actuator delivers a high power density in a compact, integration-friendly design. Like the smaller actuators in the series, it is also available in three versions, Standard, Inox and Hygienic, with a protection rating of up to IP69K at the cable outlet. Optional features such as an axial or radial cable outlet, a 1- or 2-stage integrated gearbox, single- or multiturn encoders and holding brake enable the cyber® dynamic actuator R to be customized to individual requirements. All servo actuators are designed with single-cable technology and excel in their high torques and dynamism. They offer a professional, compact drive solution for demanding motion applications in machines where space is at a premium.

Reliable IT in production – with baramundi software

Under the umbrella of the WITTENSTEIN group, baramundi software is exhibiting its combination of unified endpoint management and proactive endpoint operations at SPS 2026. Transparent, efficient and cyber-secure endpoint management with IT compliance meets

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real-time performance monitoring to create a solution that is capable of monitoring and protecting IT systems in manufacturing environments, guaranteeing trouble-free operation.

Cybersecurity with the SAFERTOS® safety-critical real-time operating system from WITTENSTEIN high integrity systems

At SPS 2026, WITTENSTEIN high integrity systems, part of WITTENSTEIN motion control GmbH, will showcase SAFERTOS® and its Enhanced Security Module (ESM), highlighting how cybersecurity and functional safety are increasingly becoming assurance challenges as well as technical challenges. As regulatory expectations evolve, including those introduced by the EU Cyber Resilience Act (CRA), organizations are being asked not only to develop secure and safe products, but also to demonstrate how software has been developed, verified and maintained throughout its lifecycle.

Used in industries including industrial automation, automotive, aerospace, medical technology and rail transportation, SAFERTOS® provides a dependable software foundation for safety-critical embedded systems where reliability and deterministic behavior are essential. Supported by a Design Assurance Pack (DAP) containing traceability, verification evidence and lifecycle artifacts, SAFERTOS® helps organizations establish confidence in their software foundations while supporting certification, compliance and audit activities.

Shaping intelligent motion together

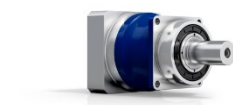
Whether it's drive technology, mechatronics, measuring equipment, control technology or software – across the WITTENSTEIN group, all Strategic Business Divisions offer inspiring innovations that drive motion in their mechatronic, cybertronic and digital product worlds.

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Pictures (source: WITTENSTEIN SE):



01-wse-sp-plus-high-speed-gen-3

The performance of the new SP+ HIGH SPEED Generation 3 precision gearbox opens up new opportunities for machine manufacturers to make their machines more powerful, more efficient and also more robust.

You will find text and photographs in printable quality [here](#).

WITTENSTEIN – one with the future

The WITTENSTEIN group is a globally active family-owned company headquartered in Germany. Around 3,000 employees generated a turnover of 544 mEUR in the 2025/26 fiscal year. As a partner to its customers, WITTENSTEIN shapes the world of cybertronic motion – with passion for innovation, unconditional excellence and an attitude that promotes holistic, sustainable thinking and action.

The WITTENSTEIN group develops, produces and sells gearboxes, motors and electronics as well as high-precision drive systems and solutions, nanotechnology and specific software solutions. Its products, solutions and services drive motion in mechanical and plant engineering, automation and robotics, aerospace, the electronics and semiconductor industries, and numerous other sectors.

The WITTENSTEIN group has 35 sites in 46 countries. Find out more at www.wittenstein.de.

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