# Press release February 17, 2025

SCHUNK at Hannover Messe 2025  
  
**Digital technologies for efficient automation at every level**

**“Pioneering innovation and productivity – empowering your success!“ is SCHUNK's motto for this year’s Hannover Messe. Visitors can experience firsthand how innovative automation concepts and AI-driven digital services enhance productivity. These technologies are key to efficient, resource-saving, and future-proof manufacturing. The world’s leading industrial trade show takes place from March 31 to April 4, 2025.**

More than ever, today’s challenges require companies to adopt a solid strategy to secure their long-term competitiveness. As a trusted partner, SCHUNK not only delivers innovative automation concepts to boost productivity but also drives the digital evolution of its portfolio. The technology pioneer follows a comprehensive, collaborative technology strategy to enable flexible, future-oriented automation in any environment and at any level of digitalization—today and in the future.

**Easy-to-use on a platform**

In the **SCHUNK Control Center**, users always have full transparency over their process steps. Here, the latest mechatronic SCHUNK grippers can be digitally commissioned, monitored, and adjusted as needed. The family includes the **EZU centric gripper, EGU parallel gripper, and EKG electric gripper for small components.** These grippers offer a wide range of communication interfaces, PLC function blocks, and plugins for various robot manufacturers. Additionally, the Control Center provides extended configuration options and regular software updates, enabling users to unlock the grippers' full potential. This forward-looking platform is set to be gradually expanded to all SCHUNK products.

**Shared data creates value for everyone**

When developing its digital building blocks, SCHUNK follows an open, user-centric approach. To this end, the company provides **open-source software** for its new grippers on open platforms such as GitHub and ROS, making it accessible for further development and expanding the range of applications. Significant potential lies not only in industrial robotics, but also in cobots and humanoid robotics, which can be used in various environments. To collaboratively unlock these diverse and complex application areas, SCHUNK offers its proprietary humanoid **SVH 5-finger gripping hand** as open-source software and as a digital twin.

**Virtually planned and faster implemented**

The digital factory of the future will be planned and optimized virtually before it takes shape in the real world. Particularly complex systems can be designed and simulated more efficiently in the industrial metaverse, reducing time and effort. To support this, SCHUNK provides CAD data for all its 13,000 components, gradually refining them into highly realistic digital twins. The latest mechatronic grippers are already available as advanced **digital twins**, replicating not only communication interfaces but also the physical behavior of the grippers during movement.

SCHUNK demonstrates what a virtual industrial process could look like at Hanover, using the example of a complete automation cell for **battery cell handling** in the E-Mobility sector. Developed together with technology partner ISG, the system allows simulation in the ISG Virtuos tool. From there, models can be directly exported to the NVIDIA Omniverse, where SCHUNK provides not only its component libraries, but also complete assemblies and custom automation solutions to create virtual industrial worlds. Additionally, the AI software for the **2D Grasping Kit**, awarded the HERMES award 2024 for handling unsorted parts, is already being trained and further developed in the metaverse.

At Hannover Messe, SCHUNK will demonstrate how a consistent technology strategy across all levels can drive productivity and efficiency. Timo Gessmann, CTO of SCHUNK, sums it up: “At SCHUNK, our customers are at the heart of all our innovations. We enhance physical components with digital solutions to meet customer needs and support efficient automation at every level – compatible with any ecosystem.”

**Connected exhibitor project ”battery use-case“**

E-Mobility is a key topic of the energy transition and industrial transformation. For this reason, exhibitors have come together in the project ”battery use-case“ to demonstrate how automated battery production and sustainable recycling processes can become a reality through collaborative partnerships. SCHUNK, together with FANUC, presents automated process steps for handling prismatic battery cells during unloading and feeding into a welding system. Visitors can explore the special exhibition in hall 6, booth D51.

Visit SCHUNK at Hannover Messe: **Hall 6, Booth F21.**

**schunk.com**

**Captions:**

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|  | More productivity at every level of automation. The new mechatronic gripper generation is fully networkable, offers smart functions, and can be seamlessly integrated into digital plant simulation.  Image: SCHUNK SE & Co. KG |
| *EZU\_EGU\_Maschinenbeladung\_Anwendungsbild\_0924.jpg* | |
|  | In humanoid robotics, there are great opportunities. SCHUNK showcases the SVH 5-finger gripping hand in Hanover.  Image: SCHUNK SE & Co. KG |
| *SVH Anwendungsbeispiel\_0225.jpg* | |
| Ein Bild, das Mikroskop, medizinische Ausrüstung, Forschungsinstrument, Maschine enthält.  Automatisch generierte Beschreibung | The AI of the HERMES award-winning 2D Grasping-Kit is being trained and further developed in the Metaverse.  Image: SCHUNK SE & Co. KG |
| *2D\_Grasping\_Kit\_EGK\_Anwendungsbild\_0624.jpg* | |

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