# Press release October 25, 2024

SCHUNK at the SPS 2024

**Smart technology for an efficient production**

**The SPS in Nuremberg is the hot spot of the automation industry. From November 12 to 14, 2024 you can discover the full spectrum of smart and digital automation there. SCHUNK will showcase engineering solutions for e-mobility as well as flexible automation modules for efficient production.**

Efficiency is key to success. The prerequisite for this is a flexible and automated production. With smart components, digital services, and comprehensive application knowledge, SCHUNK supports users in making their production processes more flexible, efficient, and sustainable. At SPS 2024, the company will showcase practical, user-friendly automation solutions and efficient approaches for the production of tomorrow.

**Safe and efficient battery handling**

In focus are industry solutions for highly automated e-mobility production. For the most cost-intensive component in electric vehicles, the battery, major manufacturers are increasingly relying on round cells with a diameter of 46 millimeters. Specifically for handling this type of battery cell, SCHUNK has designed a new gripper: the **RCG round cell gripper** with a pneumatically controlled magnetic system. It enables the handling of individual battery cells - and used in multiple gripping units - precise and process-safe assembly of complete battery clusters without interfering contours is possible. Originally developed from a customer project, the RCG round cell gripper is the perfect example of application-specific, collaborative engineering on equal terms, which has ultimately evolved into a standardized product of the highest practicality.

**Future-proof mechatronic solutions**

In view of the advancing mechatronization of its components, SCHUNK supports its customers at each process step digitally, transparently, and flexibly. At the SPS, SCHUNK is going to present the new **EZU centric gripper,** the gripper that reliably implements loading and unloading processes with cylindrical workpieces. Through freely programmable settings such as jaw stroke and gripping force, the gripper can handle different workpiece sizes. The gripper is completely sealed and operates reliably even under the influence of chips and coolant. This makes it particularly suitable for the handling of raw and finished parts in machine tools. All grippers of the new mechatronic generation follow a consistent functional concept that allows for seamless digital process representation. They are easy to integrate and program and can be flexibly adapted to varying requirements. In the SCHUNK Control Center, a superordinate software and control platform, many additional functions are available to enable the grippers to be put into operation, monitored and optimized.

On this basis, users can also utilize different gripping methods and dynamically increase the gripping force in StrongGrip mode by up to 200%. This makes the EZU an example of future-proof mechatronic automation solutions that can further expand their capabilities through future updates.

If you combine it in a smart application kit like the AI-based **2D Grasping Kit**, additional efficiency potentials can be unlocked. With the intelligent kit, companies can implement smart handling processes for unstructured parts even without programming experts. Monotonous, repetitive sorting or logistics tasks can be reliably and easily automated.

Discover this and more practical solutions at the **SCHUNK booth:** **Hall 3A, Booth 111**.

**schunk.com**

**Captions:**

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|  | The new RCG round cell gripper enables process-reliable handling of battery cells with a diameter of 46 mm. It can be flexilby combined to a multiple gripping unit.  Image: SCHUNK |
| *RCG\_Anwendungsbild\_3\_E-Mobility\_0724* | |
|  | The robust, mechantronic EZU 3-finger universal gripper reliably handles cylindrically and eccentrically positioned workpieces. It is used to implement flexible loading and unloading processes.  Image: SCHUNK |
| *EZU\_Maschinenbeladung\_Anwendungsbild\_0924.jpg* | |
|  | The AI-supported 2D Grasping Kit makes the entry into process-reliable automated handling of unsorted parts quick and easy.  Image: SCHUNK |
| *2D\_Grasping\_Kit\_EGK\_Anwendungsbild\_0624.jpg* | |

**Contact person:**

**Kathrin Müller**

**Corporate Communications**

**Global Marketing**

Tel. +49-7133-103-2327

kathrin.mueller@de.schunk.com

schunk.com