# Press release July 10, 2025

SCHUNK at the EMO 2025

**Efficiency meets precision: clamping and automation solutions for all production needs**

**The future of metalworking is flexible, precise, and automated. At EMO Hannover 2025, SCHUNK will demonstrate how flexible clamping devices, modular automation concepts, and global engineering expertise help companies make their processes efficient and future-proof.**

How can companies future-proof their processes in times of global uncertainty, increasing competitive and cost pressure, and a shortage of skilled workers? This question is more relevant than ever for the metalworking industry. EMO Hannover, the world’s leading trade show for production technology, provides the answers. At SCHUNK, visitors can expect practical manufacturing modules that make in-machine part handling and machining easier, more flexible, and more resource-efficient.

**Efficient machine tool automation**

Automated loading and unloading are key drivers for increasing productivity and efficiency in the manufacturing process. But which automation solution fits which production environment? The application specialist provides guidance and offers a wide range of automation types tailored precisely to the requirement of batch sizes, workpieces, and manufacturing processes. The focus is not only on providing users with the right components but also on supporting them from the start with solid expertise and the right steps.

**New clamping solutions for a wide range of applications**

In addition to automation, SCHUNK also offers all the modules for versatile and quick-change workpiece clamping within the machine. For the machining of complex workpieces or small batch sizes, the company presents new clamping solutions specifically tailored to the requirements of flexible manufacturing environments.

With the K**ONTEC KSC-5X,** SCHUNK expands its product family of 5-axis vises with a powerful centric vise. It was specifically developed for demanding machining operations. Its taller base jaws, combined with a market-unique selection of system and top jaws, enable clamping of complex workpieces while maintaining optimal accessibility. Thanks to a quick-change spindle system, the vise can be quickly and easily adapted to new clamping tasks. Thanks to the integrated interface for quick-change pallet systems, it seamlessly fits into the comprehensive modular system for clamping technology, offering versatile combination options for highly efficient workpiece clamping. SCHUNK is also clearly moving towards flexibility with its lathe chucks. Following the manual lathe chucks, a 2+2 jaw compensation chuck is now available for power lathe chucks as well. Thanks to its innovative drive concept, the new **ROTA THW3 2+2** power lathe chuckenables centrically compensating workpiece clamping for any geometry – from round and cubic to irregularly shaped parts. Equipped with a patented sealing and permanent lubrication system as well as a quick-change jaw system, it strikes the perfect balance between low maintenance and short set-up times while consistently delivering high clamping forces.

**Tailor-made with SCHUNK Engineering**

Every production environment is unique, and standard solutions are not always the best choice. SCHUNK supports its customers with a structured process for developing tailor-made solutions. From precise requirements definition and design to manufacturing and integration, SCHUNK supports its customers every step of the way – creating customized solutions that are precisely matched to their production requirements across a variety of industries. One example: perfectly fitting hydraulic clamping devices for turbine rotors in the aerospace industry – validated and optimized using digital simulation tools.

**Standardized turnkey solution**

While customized developments are essential for complex requirements, small and medium-sized enterprises in particular need practical, easy-to-implement concepts. This is where SCHUNK comes in with its new modular **GROW automation cells**. These standardized turnkey solutions are CE-certified, intuitively operable, and flexible adaptable – specifically designed to automate production processes quickly and efficiently. Whether for laser marking or parts separation, GROW enables companies to optimize their production without extensive prior knowledge – while benefiting from high reliablity and scalablility.

**Data-based process control in real time**

With the increasing automation and digitalization of machine tools, intelligent process monitoring is becoming more and more important. SCHUNK’s **electric and sensor-equipped clamping systems** enable real-time monitoring of process-relevant conditions – including the status of clamping devices and workpieces, or the vibration behavior of tools. This not only ensures greater safety and full transparency but also allows for easy integration into exisiting machine controls – a key foundation for the production of the future. One of the major highlights will be the battery-powered clamping devices, which can be integrated wirelessly – for example, via radio solutions from common measurement system providers or via IO-Link Wireless. At SCHUNK’s booth, visitors can experience the benefits of these technologies in a live demonstration.

Visit SCHUNK at the EMO: **Hall 3, Booth I26**

**schunk.com**

**Captions:**

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|  | Depending on the workpiece, batch size, manufacturing process, and machine, SCHUNK offers users a range of automated machine loading options – from simple entry-level to high-end solutions.  Image source: SCHUNK SE & Co. KG |
| *CPS\_Anwendungsbild\_Maschinenbeladung\_06\_2025.jpg* | |
|  | Absolute flexibility in workpiece clamping: The new power-operated ROTA THW3 2+2 compensation chuck with jaw quick-change system reliably clamps various workpiece geometries – from round and square to complex shapes.  Image source: SCHUNK SE & Co. KG |
| *ROTA\_THW3\_2+2\_Anwendungsbild\_06\_2025* | |
|  | The new KONTEC KSC-5X 5-axis centric vise, featuring a unique program of system and top jaws, ensures optimal accessibility during machining - even for complex workpieces.  Image source: SCHUNK SE & Co. KG |
| *KSC-5X Produktbild Stellvertreter.jpg* | |
|  | SCHUNK standardizes complete processes such as laser marking and parts separation in a modular system. With GROW Marking, users can laser important information - such as serial numbers - precisely and permanent onto products.  Image source: SCHUNK SE & Co. KG |
| *GROW Marking\_06\_2025.jpg* | |
|  | Electrically actuated quick-change pallet modules with fully integrated electronics and actuator technology: Thanks to a wide range of monitoring and transmission options, the VERO-S NSE3-PH 138 IOL provides greater transparency during the clamping process - without any additional interfering contours.  Image source: SCHUNK SE & Co. KG |
| *NSE3-PH\_138\_IOL\_Produktbild.jpg* | |

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