



Superior Clamping and Gripping



SCHUNK Life Science
Automated Solutions for the
medical, laboratory and
pharmaceutical Industries

SCHUNK is your Life-Science Partner with Application Know-how

In the "Science of Life" – the life science – the biotechnology, medical technology and pharmaceutical industry work together. The aim of this multi-discipline collaboration is to work towards a future with more focus on health and safety, while producing new medical technology products, treatment methods and medicines. The manufacturing industry has a key position here – manufacturing uses modern processes for producing high-quality products in the following areas:

- MedDevices
- MedTech
- Lab Automation
- Pharma

Right in the thick of it: High-tech components from SCHUNK. They meet the strict requirements for manufacturing quality and reliability. In addition, the specific life science portfolios are well suited to products for any life science application.

 Cleanroom

 H1 grease

 Protective cover

As a leading technology supplier of robots and production machines, SCHUNK is a competent and reliable partner with comprehensive application expertise. Industrial automation makes a substantial contribution in solving the challenges of the industry. For more than 30 years, SCHUNK, the family-owned company supplies customers from medical technology and laboratory automation with customized solutions: grippers, rotary modules, linear modules and sensor components.

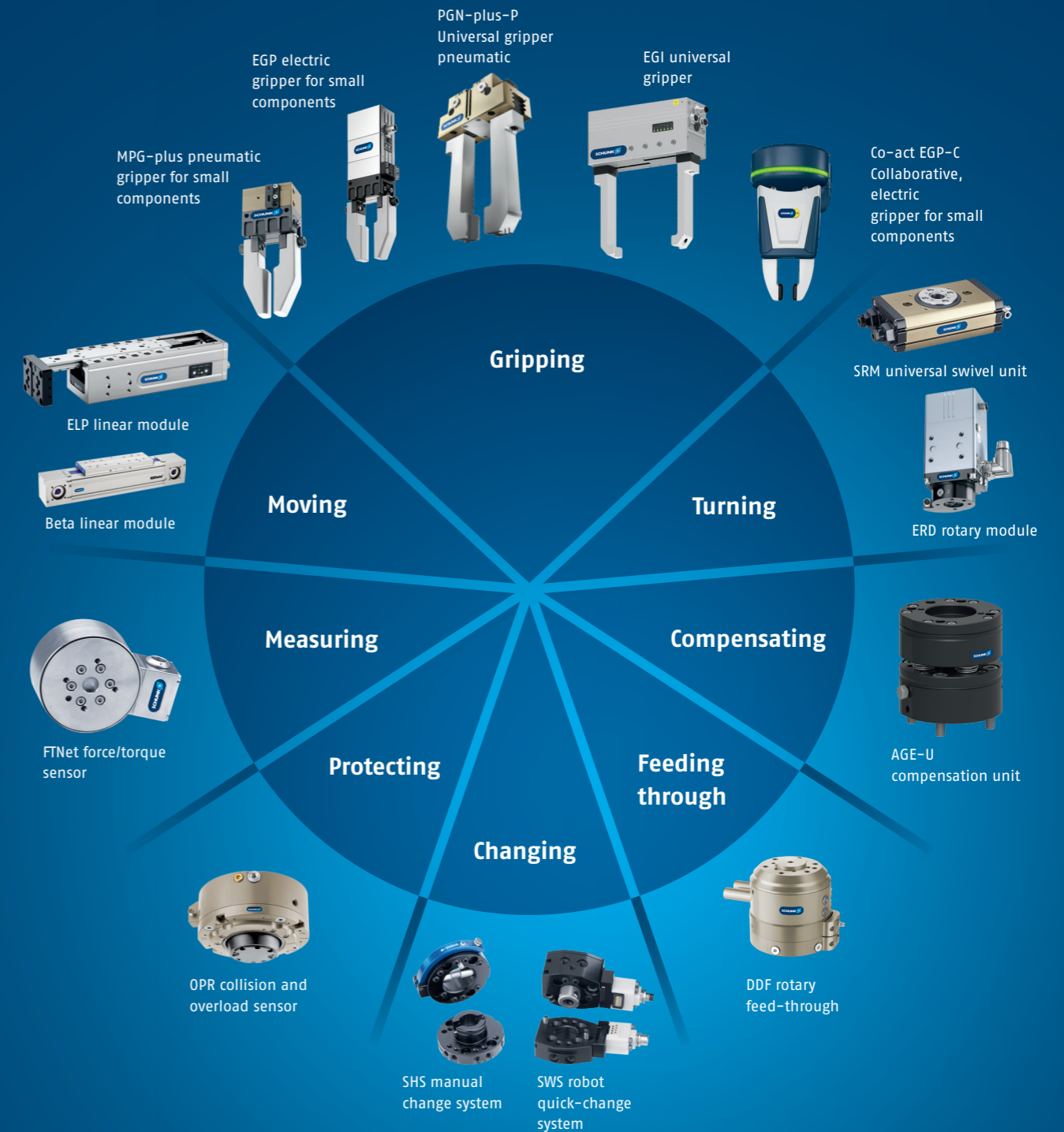
Around **4,000** implemented solutions

Approx. **500** customized solutions yearly

More than **1,000** available standard versions

More than **2,000** standard components worldwide

More than **30 years** of industry-specific solutions

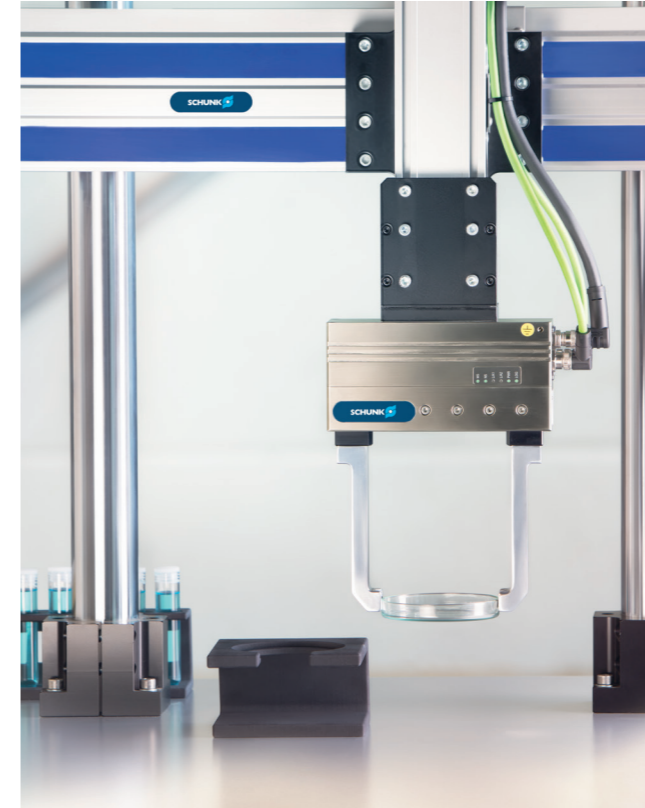


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MedTech: The SCHUNK Portfolio for Assembly Handling

The medical technology sets high standards on product manufacturing. Machines, plants and components of the manufacturing industry which are used for manufacturing devices and consumables, are subject to defined conditions in terms of lubricants, robustness and longevity. SCHUNK supplies the manufacturers of medical technology systems or the manufacturing industry of medical goods with high-end products and putting the focus on H1-compliant lubrication, robustness and absolute process reliability. The pneumatic MPG-plus gripper for small components is such an example. It handles any medical technology parts and products safely and gently.



Laboratory Automation: Efficient and reliable Laboratory Processes

In a lab it is all about systematically recurring processes. The lab operators offer analytical and diagnostic products and services with the focus on efficiency, safety, care and profitability. Handling of reagents, measuring technology and analytical equipment are everyday topics. SCHUNK supplies numerous, ideal components for laboratory equipment and handling systems for lab automation. They are compact and simply modular systems which can be custom assembled and used in this industry. The best application example is the unique high-end portfolio of mechatronic products with 24 V supply. It offers easy implementation and operation for the manufacturer and therefore ensures reliable, efficient and automated operation of the laboratory and analytical devices.

MedDevices: High-end Components for Use on Humans

Medical devices are products, objects and substances that are used in direct contact with humans to examine, treat or monitor. SCHUNK offers top-quality products for surgery robots, care and service robots, exoskeletons and devices in the field of orthopedic rehabilitation. With their high-quality design, the modules ensure the necessary reliability and durability for delicate tasks needed for use on humans. The necessary sensitivity of a surgery robot for example is ensured by the incorporation of force/torque sensors.



Pharma: Cleanroom compatible Performance Booster

In large-scale production of pharmaceutical end products such as tablets, powders, creams and liquids, purity and quality are always top priority. Transparent and well-structured processes supported by reliable and powerful automation units are required for the highest possible efficiency in terms of processes and cost-effectiveness. In the pharma industry SCHUNK sets benchmarks with top-quality products and a comprehensive application knowledge of increased plant performance. SCHUNK facilitates handling and machining of filigree workpieces such as tablet blisters, flacons and ampoules with cleanroom compatible, customized solutions in a simple clean design. The EGP electric gripper series for small components is perfectly suited for the safe and delicate grip of syringes and cannulas.




 **Cleanroom**

 **H1 Grease**

 **Protective Cover**

	Pneumatic				Mechatronic		Pneumatic			Mechatronic		Pneumatic		Mechatronic
Grippers	 5	 5	 5	 5	 4	 5								
	 5	 6	 7		 5	 5								
Linear Modules	 6	 6			 5	 5								
					 7									
Rotary Modules	 5				 1									

 → Cleanroom class according to ISO classification 14644-1

For further product information visit:

You will find further details on the SCHUNK product range online at schunk.com/life-science. For further technical information please call our SCHUNK hotline: +49-7133-103-2696. They will gladly support you.



schunk.com/life-science

We print sustainably



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