**Press Release**

**März 2025**

**mGrip finger gripper: flexible, hygienic, process-safe**

Constructed in hygienic design, the new mGrip finger gripper from Schmalz fulfils the highest cleanliness standards. Thanks to its unique geometry, it picks up delicate products such as vegetables or baked goods precisely and gently. This enables food manufacturers to automate their handling tasks with process reliability.

Sensitive surfaces, sometimes soft and sometimes fragile, rather spherical or flat - food products have many different shapes and are therefore a challenge for automated solutions. They only have one thing in common: handling must be absolutely hygienic and therefore safe. With the mGrip finger gripper and its wide range of configuration options, Schmalz always offers the right solution. Thanks to circular or parallel finger modules, strong gripping is easy to realise.

In contrast to mechanical systems, the pneumatically controlled mGrip also handles sensitive products extremely sensitively. For example, baked goods, fruit and vegetables can be placed in trays without damage or removed for quality control. Thanks to the wide range of configuration options, the gripper can safely pick up food with different shapes and forms, such as chicken drumsticks. However, companies outside the food industry that want to pick up nets or bags full of small parts also benefit. This means that fast picking can be realised around the clock without having to keep staff on hand for order picking.

**Excellent process stability**

The closed system ensures maximum process reliability. The new finger gripper also fulfils the highest hygiene standards. It is easy to clean from the outside and fulfils the requirements of CIP (Cleaning in Place) and COP (Cleaning out of Place). Schmalz has dispensed with additional drives in the design and the pneumatic circuit is closed. This hygienic design minimises the risk of contamination. The lightweight design predestines mGrip for use on cobots and other lightweight robots.

#### Thanks to the modular design with several finger sizes and variable positions, opening angles and forces, the gripper can be easily adapted to any task. This gives companies maximum flexibility when handling different foods - especially for use in high-speed processes. This allows them to deploy their staff more efficiently, as monotonous tasks are automated. This saves costs and improves the efficiency and quality of the application.

#### *(2,469 characters incl. spaces)*

**Service for the editorial team**

**Meta-Title:** mGrip finger gripper from Schmalz fulfils the highest hygiene standards

**Meta-Description:** Thanks to its hygienic design, the new mGrip finger gripper from Schmalz handles sensitive products such as vegetables and baked goods with process reliability. The end effector enables handling in high-speed processes.

**Social Media:** The new mGrip finger gripper from Schmalz sets new standards in hygienic design. With its special geometry, it grips sensitive products such as vegetables and baked goods gently and precisely. This enables food companies to automate their handling processes safely and efficiently.

**Images:**

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|  |  | **Image 1:**  The mGrip finger gripper in hygienic design can be cleaned without dismantling (CIP). |
|  |  | **Image 2:**  Opening angle, gripping force and finger positions are variably adjustable. |
|  |  | **Image 3:**  Even high-speed processes are no problem for the mGrip finger gripper. |
|  |  | **Bild 4:**  Thanks to automation, companies save on labour and improve product hygiene. |

Images: J. Schmalz GmbH

**About the company**

Schmalz is one of the market leaders in vacuum automation and ergonomic handling systems. The internationally positioned company's products are used in logistics applications as well as in the automotive industry, the electronics sector and furniture production. The broad spectrum in the vacuum automation business field includes individual components such as suction pads or vacuum generators, complete gripping systems and clamping solutions for holding workpieces, for example on CNC machining centres. In the Handling division, Schmalz offers innovative handling solutions for industry and trade with vacuum lifters and crane systems. With the Energy Storage business area, the company is establishing a further mainstay in the field of stationary energy storage systems.

The combination of comprehensive advice, a strong focus on innovation and first-class quality ensures sustainable added value for customers. Intelligent solutions from Schmalz make production and logistics processes more flexible and efficient - and at the same time fit for advancing digitalisation.

Schmalz is represented in all major markets with its own locations and trading partners in around 70 countries. The family-owned company, headquartered in Glatten in the Black Forest, employs around 1,800 people at 31 locations worldwide.

#### Contact for Questions

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