**Press Release**

**June 2024**

**PSSG sack gripper: Lightweight with a long service life**

Robots move many different shrink wrapped goods in industrial production. Powerful end effectors are required to ensure that the cobots can grip powerfully yet gently at all times. With the PSSG sack gripper, vacuum expert Schmalz presents a strong lightweight. The special feature: the robust sealing lip enables a very long service life.

Bulk goods and liquids can be packaged in bags to save resources and costs. Depending on the content, shrink wrapped goods made of paper, plastics or textile fabrics are used. The new PSSG sack gripper from Schmalz handles different bags efficiently and reliably. It is lightweight and therefore ideal for collaborative applications. Another advantage: the flyweight made of fibreglass-reinforced plastic enables short cycle times and thus increases the overall performance and productivity of the robot.

The new sealing lip made of FDA-compliant silicone or wear-resistant NBR (acrylonitrile butadiene rubber) ensures a long service life. Depending on the application, specialists only need to replace these components after twice the service life of conventional foam rubber seals. This means that maintenance intervals are significantly longer and the handling process is more stable. An NFC chip in the main body communicates with the Schmalz app via a mobile device. This allows specialists to conveniently trigger a spare parts order and watch a video on how to change the sealing lip. Schmalz does not bond the sealing but uses a metal insert for the connection, which is screwed to the main body. This means it only takes a few minutes to replace the seal. Thanks to the sustainable concept, the materials can be easily separated and recycled individually during disposal.

The PSSG moves porous, bag-like workpieces as well as suction-tight bags - even with a low fill level. This means that companies can dispense with gripper changes and can pick, palletize and depalletize more efficiently. The end effector is compatible with all common lightweight robots and has a maximum suction area of 405 × 305 millimetres with a load capacity of up to 50 kilograms.

#### *(2,261 characters incl. spaces)*

**Service for the editorial team**

**Meta-Title:** Lightweight bag gripper for the automated handling of bags

**Meta-Description:** The new PSSG sack gripper from Schmalz is a real lightweight. Cobots can use it to reliably handle bags made of different materials. The robust sealing lip ensures a long service life.

**Social Media:** With the new PSSG sack gripper, cobots handle sacks reliably - regardless of the material and fill level. The new end effector from Schmalz is a real lightweight and impresses with its short cycle times and long service life.

**Image:**

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|  |  | **Image:**  The PSSG sack gripper is a real lightweight and impresses above all with its long service life. |

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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