**Press Release**

**September 2025**

**Area gripper: flexible packing, efficient saving**

Grip whatever comes your way: Different materials, changing workpieces and increasing cost pressure require systems that can be adapted flexibly. With its vacuum area gripping systems FA-X / FA-M, Schmalz is launching two solutions that move all kinds of parts safely while also saving energy.

Anyone who wants to automate palletising, depalletising, order picking or sorting must be able to handle different workpieces safely and efficiently. This is a real challenge in logistics, wood processing and packaging. With its vacuum area gripping systems FA-X and FA-M, Schmalz presents a solution that is both flexible and energy-efficient. Users can move workpieces made of wood, sheet metal, glass and plastic. These can also be porous, flexible and irregularly shaped. Thanks to their low weight and minimal interference contour, the end effectors are ideal for robot arms. The surface gripping systems are optimised for sustainable processes and versatile material handling, offering maximum efficiency with minimum consumption.

#### Intelligent technology for sustainable processes

The area gripping systems have a vacuum booster that ensures very short cycles. The FA-X variant has integrated vacuum generation, while the FA-M model is designed for external vacuum sources. They are available with either suction cups or flexible sealing foam with adhesive film. Both area gripping systems offer variants for different requirements: from the basic version to the intelligent version with LED display, energy-saving function and integrated sensor technology. The smart version displays data on energy consumption and system status directly on the display, but also sends it to a smartphone via IO-Link or app. This allows companies to keep a constant eye on their processes and optimise maintenance intervals in a targeted manner.

**Save energy, reduce costs**

The energy-saving function reduces energy consumption by up to 80 percent because individual nozzle rows can be switched on and off as needed. This not only reduces operating costs but also conserves resources. Downtime costs money. That is why Schmalz focuses on easy maintenance: users can replace the sealing foam in just a few minutes thanks to quick-change adhesive film. The ejector is easily accessible. Optionally, an integrated sensor system in the sealing foam detects whether the workpiece has been gripped correctly – this increases process reliability and minimises scrap.

With the vacuum area gripping systems FA-X / FA-M, Schmalz offers a solution that automates processes, reduces operating costs and makes production fit for the future. Users benefit from flexible, maintenance-friendly and intelligent technology that integrates seamlessly into existing systems.

**Service for the editorial team**

**Meta-Title:** Flexible area grippers for efficient automation

**Meta-Description:** Schmalz automates logistics and production processes with the area gripping systems FA-X and FA-M. They are flexible, energy-efficient and easy to maintain, and are suitable for any application.

**Social Media:** Different materials, changing workpieces and high cost pressure: anyone looking to automate logistics, packaging or wood processing today needs flexible solutions. With its vacuum area gripping systems FA-X / FA-M, Schmalz is launching two systems that securely grip a wide variety of parts while saving up to 80 percent energy. Thanks to their low weight and minimal interference contour, they are ideal for use with robots.

**Images:**

|  |  |  |
| --- | --- | --- |
|  |  | **Image 1:**  The vacuum area gripping systems FA-X / FA-M handle different workpieces precisely and very energy-efficiently. |
|  |  | **Image 2:**  The optional LED display informs the user about energy and condition monitoring, for example. |

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 cups 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 unit, 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.

#### Contect for Questions

J. Schmalz GmbH

Corporate Communications

Johannes-Schmalz-Str. 1

72293 Glatten, Germany

T: +49 7443 2403-506

[presse@schmalz.de](mailto:presse@schmalz.de)

[www.schmalz.com](http://www.schmalz.com/)

**You can find more press releases on our website**

[**https://www.schmalz.com/en/career-company/latest/news/**](https://www.schmalz.com/en/career-company/latest/news/)

**Reprint free of charge - specimen copy requested**