

## Press release

March 2024

### Handling in hygiene and hazardous areas: everything is spotless

The "PalVac Sprint Hygienic" vacuum handling system, now available in the Schmalz portfolio, moves heavy loads in cleanrooms and hygienic areas. Thanks to its clever design and the use of high-quality materials, the tube lifter can be cleaned quickly and easily and dirt doesn't stand a chance.

The PalVac Sprint Hygienic vacuum tube lifter supports professionals in hygiene areas and cleanrooms when handling containers such as bags, drums and canisters. It is suitable for frequent and fast lifting and moving of heavy loads. Thanks to the polished stainless steel surfaces with a uniform grain direction, hardly any residue can build up and cleaning agents can drain away easily. The crack- and gap-free polished weld seams also contribute to this. The metal components made of V2A / SAE 304 stainless steel and the wipeable protective hose are resistant to many cleaning agents and the system can be dismantled without tools.

#### Moving loads up to 50 kilograms

The handling solution consists of a vacuum tube lifter and a crane. Tri-clover connections link the lifting unit, control panel and gripper. The gripper seals are made of FDA-compliant silicone, which is suitable for direct use on food. The HEPA filter integrated into the tube lifter protects the inside of the lifting tube from contamination. A differential pressure indicator provides information on the degree of contamination of the filter elements so that they can be changed at the right time. An electric blower generates the vacuum that moves loads of up to 50 kilograms. Individually adjusted suction pads are suitable for different workpieces. The operating unit with bow handle enables the load to be lifted, lowered and released.

#### Large radius of action

PalVac stainless steel slewing jib cranes from Schmalz provide the necessary radius of action for the PalVac hose lifter. Also made of stainless steel and optimized for hygiene, they are perfect for use in all areas where cleanliness is essential. The diamond-shaped crane profile reduces horizontal surfaces and simplifies cleaning

of the crane. The cranes can be individually configured for different applications and allow high working speeds and positioning accuracy. They support ergonomic and fatigue-free handling. The crane column is suitable for floor or ceiling mounting, while the slewing bearing enables movements of 220 degrees. Employees can adjust the ease of movement of the crane using an adjusting screw. Depending on the application, the PalVac crane works with a conventional or an articulated jib.

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**Meta-Title:** Ergonomic handling in hygienic and hazardous areas

**Meta description:** The new PalVac Sprint Hygienic vacuum handling system from Schmalz is suitable for all applications where cleanliness is essential.

**Keywords:** Schmalz; Palamatic; tube lifter; PalVac; JumboSprint; handling; hazardous area; hygienic design; slewing jib crane; cleanroom; hygienic area

**Pictures:**



**Picture 1:**

Whether in clean rooms in pharmaceutical production or in hygienic areas in food processing: PalVac cranes in combination with PalVac Hygienic vacuum tube lifters ensure ergonomic handling and efficient material flow.

Pictures: 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 segment includes individual components such as suction pads or vacuum generators, complete gripping systems and clamping solutions for holding workpieces, for example on CNC machining centers. In the Handling division, Schmalz offers innovative handling solutions for industry and trade with vacuum lifters and crane systems. With the Energy Storage business field, the company is establishing a further mainstay in the area 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 the advancing digitalization.

Schmalz is represented in all major markets with its own locations and trading partners in around 70 countries. The family-owned company employs around 1,800 people at its German headquarters (Glatten, Black Forest) and in 30 other companies worldwide.

### **Contact for questions**

J. Schmalz GmbH

Marketing Communication

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)

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