**Press Release**

**Configuring spring plungers made easy**

The FSTIm and FSTImc spring plungers can be individually adapted to different requirements. This provides companies with custom-made solutions for their plant automation. Schmalz offers a new online configurator with integrated error prevention to make the design process quick and easy.

Spring plungers in a small size have proven themselves in the electronics industry, in the pharmaceutical sector and in clean room applications: Thanks to the responsive spring, they handle very sensitive workpieces gently and offer particularly high positioning accuracy in combination with a flat suction gripper. The compact dimensions even fit into tight assembly lines. Due to the internal spring and the reduced tubing - especially with the profile version of the FSTImc - particle generation is reduced to a minimum. Additional effect: significantly shorter installation and maintenance times. And even surfaces with height tolerances are no problem for the small power packs. Thanks to the responsive movement and compact design of the FSTImc spring plunger in the cartridge design, delicate workpieces can be handled with process reliability.

**The right spring plunger in just a few clicks**

To speed up the design of automation systems and eliminate potential sources of error, Schmalz is launching a configurator for the FSTIm/FSTImc spring plungers. Designers and engineers save valuable time in development with the online tool. For example, they can not only choose between different plunger strokes, but also determine the type of vacuum connection, the version and the suction cup type or the threaded connection. The spring plungers support features such as ESD in the respective variants. The complete solution of spring plungers including mounting element and suction cups can be implemented in the planning after configuration via CAD model.

(1.989 characters incl. spaces)

**Service for the editorial team**

**Meta-Title:** Schmalz: New online configurator for spring plungers

**Meta-Description:** With a new online configurator, the FSTIm/FSTImc spring plungers and suction cups can be easily customised to automation systems. The CAD data is then available for download.

**Social Media:** Schmalz offers a wide range of spring plungers that have proven themselves in the electronics industry, clean room applications and the pharmaceutical industry. They are robust, precise, reliable and can now also be customised online.

**Images:**

|  |  |  |
| --- | --- | --- |
|  |  | **Image 1:**  Small or large, ESD-compatible or not - the FSTIm/FSTImc spring plungers can now be easily configured online. |
|  |  | **Image 2:**  In contrast to the FSTE model (left), the spring in the FSTIm versions (center and right) is protected inside the housing. |
|  |  | **Image 3:**  Spring plungers handle components gently and make flexible pick-and-place applications possible. |
|  |  |  |

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 applications logistics as well as in the automotive industry, the electronics industry and furniture production. The broad spectrum in the Vacuum Automation business unit includes individual components such as suction cups or vacuum generators, complete gripping systems and clamping solutions for holding workpieces, for example on CNC machining centers. In the handling business unit offers, Schmalz with vacuum lifters and crane systems. innovative handling solutions for industry and trade With the Energy Storage business unit, the company is designing another mainstay in the field of stationary energy storage systems.

The combination of comprehensive consultation, a high focus on innovation and first-class quality safeguards 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, headquartered in Glatten in the Black Forest, employs round 1,800 employees at 31 locations worldwide.

#### Contact for questions

J. Schmalz GmbH

Corporate 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/)

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

[**https://www.schmalz.com/de/unternehmen/schmalz-aktuell/presse/**](https://www.schmalz.com/de/unternehmen/schmalz-aktuell/presse/)

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