

## PRESS RELEASE

### Innovative solutions for machine safety – advantages for productivity

### Schmersal at Hannover Messe 2023: new developments for safety and automation

**Wuppertal, 13 February 2023.** The Schmersal Group will be attending the Hannover Messe trade fair to present its latest innovations. In **Hall 09, Stand D09**, the company has put the focus this year on automation and safety solutions for intralogistics as well as for packaging and food processing machines.

The growing volume of online trade is a key driver for developments in intralogistics, which requires increasing process automation and efficient and safe plant technology. Using a model that depicts different process steps and technologies, including filling, conveyor and palletising technology as well as robotics, Schmersal will be demonstrating components and systems that not only contribute to occupational safety, but that meet the stringent requirements of intralogistics and packaging industry in terms of fail-safe operation and plant productivity.

#### **Intelligent solenoid interlocks**

A robot carrying out palletisation operations is safeguarded on the Schmersal stand with solenoid interlocks that keep guard doors locked until hazardous movements have come to a halt. Intelligent safety components, such as the **AZM201 solenoid interlock**, help to minimise downtime thanks to comprehensive diagnosis functions.

#### **New Time-of-Flight procedure**

Schmersal will be demonstrating a new technology at Hannover Messe for the first time – a technology in which the position and stacking height of boxes/crates palletised by robots is monitored by a ToF camera. The Time-of-Flight (ToF) procedure can be used to create a 3D image of the scene that is available as a point cloud. The scene can then be used to determine the positions and dimensions of objects. Software that can be used to define and monitor three-dimensional zones in space opens up a wide range of automation solutions in logistics and production-line production.

ToF cameras enable efficient, real-time data evaluation, such as when carrying out measurement tasks in fill level monitoring or volume determination of piece goods.

### **New magnet track sensor box**

Electric monorail conveyors are used to transport workpieces, tools and other purchased parts in almost every industry. Schmersal will be showcasing a solution for precisely this application at Hannover Messe: the **SSB-R** sensor box is used to define route sections for speed regulation for electric monorail conveyors in a manner that is cost efficient and maintenance free. It also allows park positions to be approached with careful accuracy.

### **New command and signalling devices in hygienic design**

Also new: The **H series** from Schmersal will be showcased at Hannover Messe as a full range of command and signalling devices for hygiene-sensitive applications, particularly in food processing.

Visit Schmersal at Hannover Messe between 17 and 21 April 2023: **Stand D09, Hall 09**

### **Photo in print quality for download:**

[https://products.schmersal.com/media/images/PHO\\_PRO\\_PRE\\_ksbrf13\\_SALL\\_AINL\\_V1.jpg](https://products.schmersal.com/media/images/PHO_PRO_PRE_ksbrf13_SALL_AINL_V1.jpg)

### **Image caption:**

A new feature from Schmersal at Hannover Messe 2023: the SSB-R sensor box is used to define route sections for speed regulation for electric monorail conveyors in a manner that is cost efficient and maintenance free.

**Media contact:**

Sylvia Blömker  
Tel.: + 49 202 6474- 895  
sbloemker@schmersal.com  
K.A. Schmersal GmbH & Co. KG  
Möddinghofe 30  
42279 Wuppertal, Germany

**About the Schmersal Group**

The Schmersal Group is an international market and expertise leader in the challenging field of machine safety. With the world's most comprehensive range of safety switchgear products, the Schmersal Group develops safety systems and solutions for special requirements in a variety of user industries. Schmersal's tec.nicum business division offers a comprehensive service portfolio to complement the range of solutions offered by Schmersal.

Founded in 1945, the company is represented by seven manufacturing sites on three continents with its own companies and sales partners in more than 60 countries. The Schmersal Group employs more than 1900 people worldwide.

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