**Press release**

**Safe and efficiency-boosting system solutions for bulky goods transport**

**Everything from a single source: Schmersal to showcase conveyor technology solutions at bauma 2025**

**Wuppertal, 3 February 2025.** At bauma 2025 in **Hall C2, Stand 309**, the Schmersal Group will present complete systems with innovative components for condition monitoring and safeguarding of conveyor systems for the transport of raw materials. Schmersal offers solutions to protect people and machines as well as to monitor the conveyor belt.

Drive systems and pulleys on conveyor systems are among the areas that have a particularly high risk potential for operating personnel. To safeguard these hazardous areas, Schmersal not only offers appropriate safety switches and solenoid interlocks, but protective fences and guard doors as well.

A new solution for this type of protective device is the DHS door handle system: the door handle unites the functions of a robust door handle with display of individual machine states using illumination in the handle itself. The handle signals different machine states over its area using seven different colours. The user can control the colours individually in order to signal defined machine states. The door handle system can be operated in conjunction with the AZM40 and AZM300 safety interlocks or as a fully stand-alone solution.

**Command and signalling devices for harsh environments**

Schmersal offers a wide range of command and signalling devices for the operation, control and monitoring of conveyor systems. Devices in the R range have been designed as ‘heavy-duty’ versions and are suitable for use in harsh environments. The R series is resistant to mechanical loads and can be operated comfortably while wearing gloves. ATEX versions of devices in the R range are also available.

**With AI support: the new ‘Rip Prevent+” belt monitoring system**

Maximum availability and as little downtime as possible are the absolute fundamentals of bulky goods transport. At bauma 2025, the Schmersal Group and its system partner SHG - Conveyor Control GmbH will demonstrate how Predictive Analytics and Predictive Maintenance can be used to maximise the efficiency of conveyor systems. The new ‘Rip Prevent+’ belt monitoring system from SHG analyses the data from the conveyor belt using an AI-based calculation model.

In addition, the Rip Prevent+ system offers other functions to increase the availability of the conveyor system and provide process information that is relevant to the user. These functions include:

* Motor monitoring
* Electrical network analysis
* Energy efficiency analysis
* Mass flow calculation

Visit Schmersal at bauma 2025 in Munich from 7–13 April 2025: **Stand** **309, Hall C2.**

**Photo in print quality for download:**

<https://www.schmersal.com/fileadmin/content/deutschland/pics/Presse/Press_releases/2025/PHO_PRO_PRE_kdhs-f52__SALL__AINM__V1.jpg>

**Image caption:**

The new DHS door handle system signals different machine states over its area using seven different colours and can be combined with the AZM40 solenoid interlock.

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**About the Schmersal Group**

In the demanding field of machine safety, the Schmersal Group is at the forefront of expertise and a leader in the international market. With the world’s most comprehensive range of safety switchgear products, the Schmersal Group develop safety systems and solutions for special requirements in a variety of user industries. Schmersal’s tec.nicum business division complements the range of solutions offered by Schmersal with a comprehensive range of services.

Founded in 1945, the company are represented by eight manufacturing sites on three continents and their own businesses and sales partners in more than 60 countries. The Schmersal Group employ round 2,000 people worldwide.

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