

PRESS RELEASE

HX170: 24/7 belt condition monitoring

Schmersal to showcase online condition monitoring for conveyor belt systems at SOLIDS 2023

Wuppertal 9 March 2023. Schmersal will present a fully automated online condition monitoring system for conveyor belt systems through its system partner ROXON at SOLIDS 2023. The system can be found at **stand K 11 in hall 5**. The HX170 is based on optical condition monitoring of the surface profile, which detects all potential damage to joints, as well as longitudinal slits, cracks and holes in the surface of the conveyor belt. With the reverse drum as a reference, wear can also be determined by permanent belt thickness measurement. 24/7 monitoring of the belt condition allows preventive maintenance measures to be taken early on, thereby avoiding unscheduled maintenance, downtime and halts to production.

The HX170 is easy to install over the reverse drum, on both new and existing conveyor systems, with no need for additional structural changes. The system is integrated into the local automation system via floating relay contacts. In addition, for pending alarms, the user can access detailed information about the damage in the form of a 3D image of the surface of the belt through the user interface.

The HX170 system is suitable for use on all flat textile and steel-wire belts, irrespective of the manufacturer, including those used in mining, ports, cement and steel works and energy plants. The system adapts automatically to new conveyor belts and to systems already in use. If wear or

damage is detected, the belts can be moved automatically to pre-defined repair stations for closer inspection.

‘When conveyor belts experience problems, it’s often already too late. The fully automated HX170 condition monitoring system allows preventive maintenance measures to be taken promptly, thereby reducing unscheduled downtime,’ explains Heiko Bach, Business Development Manager for Heavy Industry at the Schmersal Group.

Visit us at **SOLIDS** in Dortmund on **29 and 30 March 2023: stand K 11, hall 5.**

Photo in print quality for download:

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Image caption:

The HX170 enables fully automated online condition monitoring for conveyor belt systems.

Photo: ROXON

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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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