

**Safety in System:
Protection for man and machine**

CONSTRUCTION MATERIALS INDUSTRY SYSTEMS AND SOLUTIONS



1 ACCESS CONTROL

Safety guards



2 LEVEL CONTROL POSITION CONTROL

Position and level monitoring



4 SPEED CONTROL

Belt speed monitoring



3 COMMAND CONTROL

Command and signalling devices



5 SIGNAL CONTROL

Safe signal processing and network solutions



SAFE SWITCHING DEVICES AND NETWORKS

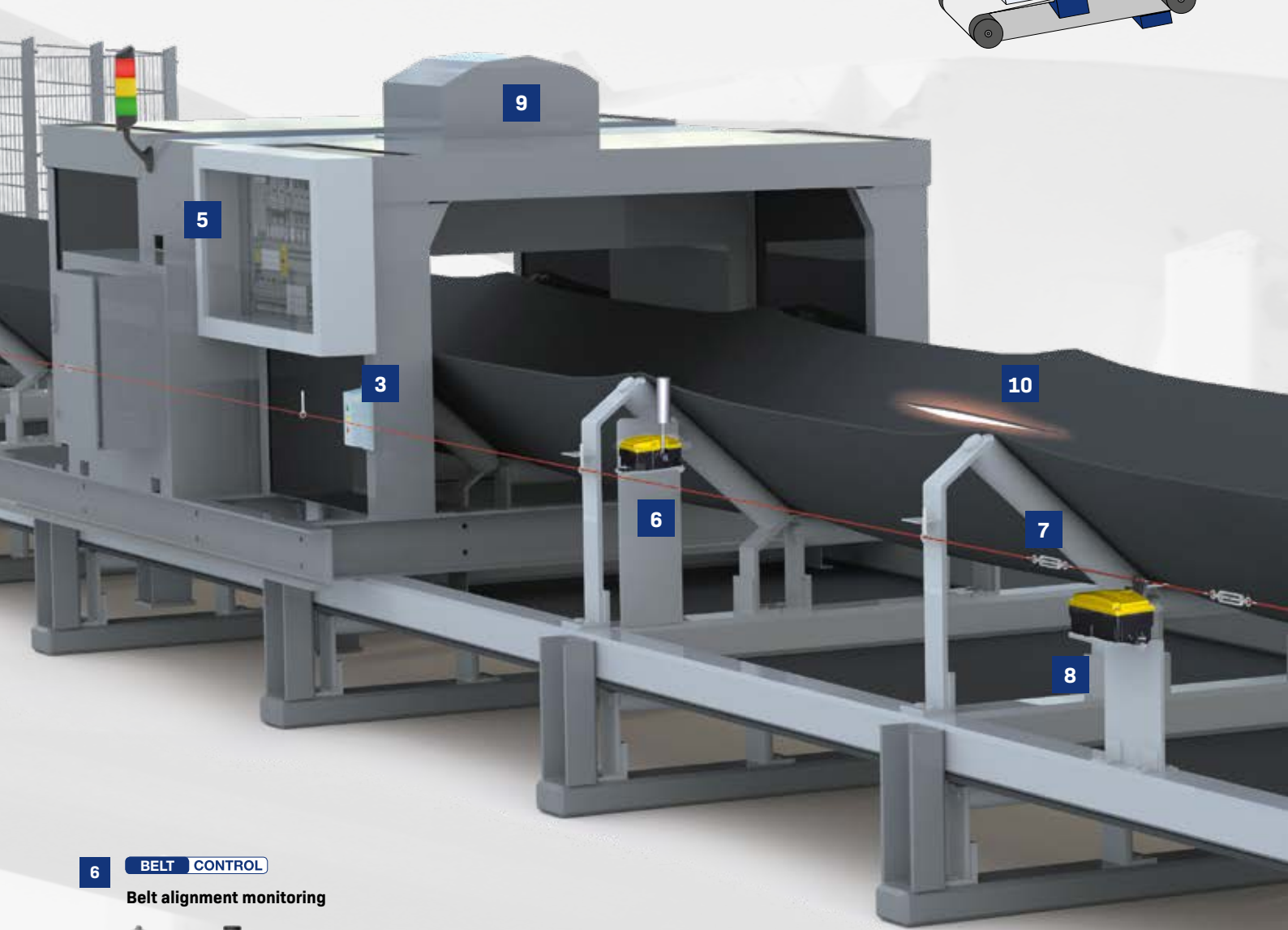
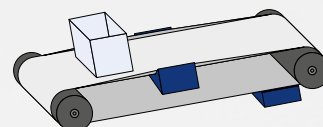
8 STOP CONTROL
Emergency-Stop applications



9 PROCESS CONTROL QUALITY CONTROL
Process and quality control



10 BELT MONITORING
System and investment protection



6 BELT CONTROL
Belt alignment monitoring



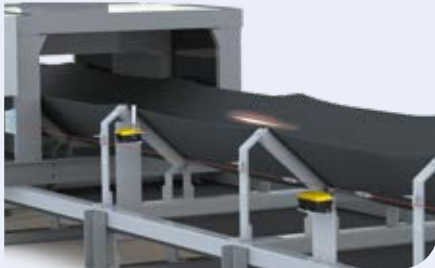
7 ACCESSORIES
System accessories



MACHINE SAFETY, INVESTMENT PROTECTION AND PROCESS CONTROL

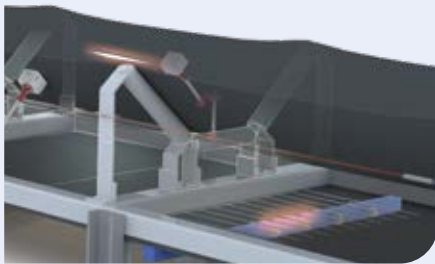
Conveyors are the heart of continuous transport of raw materials throughout a process. Schmersal systems and solutions for the construction materials industry ensure reliable transport, maximum availability and efficient process control.

Everything from a single source...



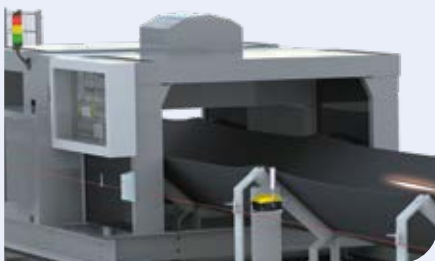
MACHINES AND PERSONNEL PROTECTION

Schmersal systems offer consistent solutions for emergency-stop, misalignment, position and speed monitoring, integrated into network solutions or stand-alone. Designed for tough environmental conditions, the devices can also be used in potentially explosive atmospheres.



SYSTEM AND INVESTMENT PROTECTION

Conveyor monitoring systems prevent long downtimes and ensure high system availability. In addition to monitoring significant damage to manufacturer-independent steel cord and fabric conveyor belts, conveyor belt thickness measurements can also be carried out as an option.



PROCESS AND QUALITY CONTROL

Based on a PGNAA analysis, the online measurement system can determine the DNA of bulk material on the conveyor during ongoing operation.

The data determined can be used for both quality assurance and active control of downstream processes.



TEC.NICUM SERVICES

We provide support for hazard assessments on existing systems as well as risk assessments on new systems. Our offer also includes training courses and workshops from our tec.nicum academy. We can also arrange in-house events on your premises.



SCHMERSAL
THE DNA OF SAFETY

Contact:
Heiko Bach (HBach@schmersal.com)
Business Development Manager Heavy Duty Industry
www.schmersal.com/en/industry/heavy-industry