



Everything
under control

KÜPPER*Sensing*Idler

Schematic layout of a Sensing Idler station

Change to other measuring units

Temperatures over time



Continuous temperature measurement

Precise temperature measurement **on site**

Our Sensing Idler rollers are equipped with Sensing Idler NODE smart wireless temperature sensors, which are securely installed directly in the shaft of the roller. This enables precise temperature measurement right at the bearing for maximum safety and efficiency of your conveyor belt.



Avoid overheating

Improved plant safety through early detection of a potential burning of the conveyor system



Reduce costs

Reduced service and maintenance costs through proactive maintenance



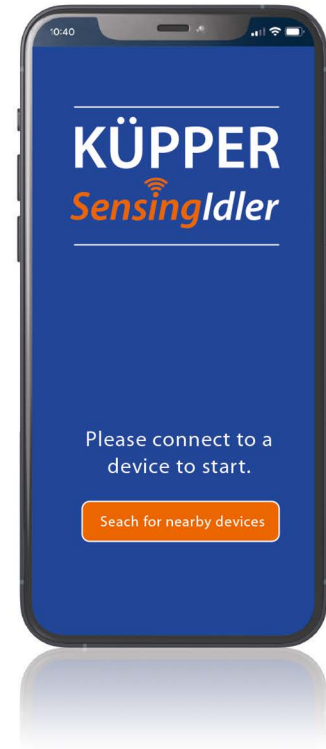
Processes running

Increased equipment availability by avoiding unplanned downtime and as result the roller is safe to use 100% of its lifetime



Optimize performance

Optimized process performance through the analysis of critical points via 24/7 data mining





Sensing Idler NODE

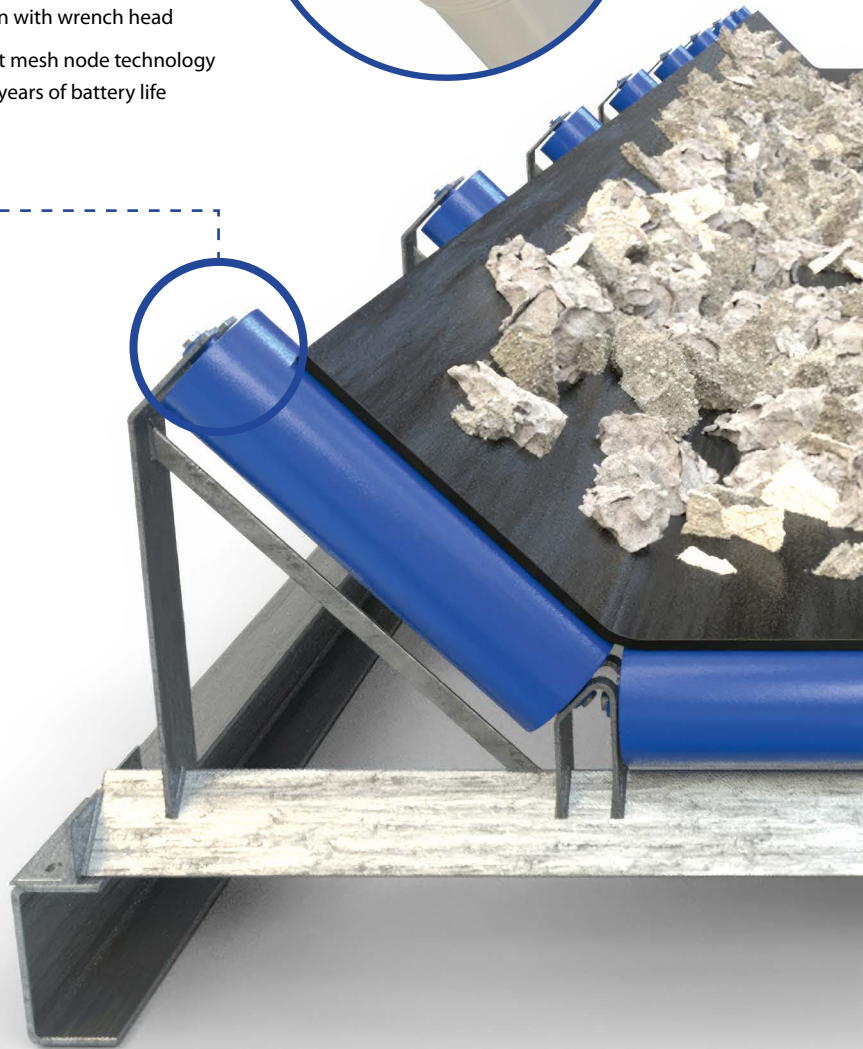
- Integrated, wireless temperature sensor
- Easy installation with wrench head
- Energy-efficient mesh node technology for minimum 5 years of battery life



System **connected**

Küpper Sensing Idler is an innovative conveyor belt monitoring system. The Sensing Idler NODE integrated into the idler collects temperature data and sends it wirelessly via BLE mesh to the Sensing Idler GATE, which transmits the data via LTE to the cloud.

The Sensing Idler cloud platform processes the data in an easy-to-use manner and provides a comprehensive view of system status. This enables early detection of overheating and proactive response to faults.





Sensing Idler GATE

- Built-in solar power for continuous power supply
- Flexible data transfer via BLE and LTE



Idler Cloud Platform

- Complete fleet visibility with real-time alerts (email or SMS)
- Visualization of temperature curves with intelligent grouping
- Detailed temperature analysis for user-defined time periods

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Artur Küpper GmbH & Co. KG is your expert for innovative and reliable rollers that use intelligent monitoring technology to raise the safety and efficiency of your conveyor belt to a new level.

Intelligent monitoring **for maximum safety**

Want to learn more about our innovative rollers? Our Sensing Idler rollers are equipped with advanced sensors that detect potential overheating early. This allows you to prevent breakdowns and ensure the safety of your entire system.

Then contact us today, our team looks forward to hearing from you! sensingidler@kuepper.eu

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