

Control unit

The Kübler logo features the brand name in a bold, white, sans-serif font. The letter 'K' is stylized with a white circular arc that loops around its top and left sides. The background of the entire page is a light orange color with a faint, semi-transparent illustration of an industrial control panel and machinery.

switch

OPTIMIZE YOUR PRODUCTION LINE

How encoders and safety
components lead the way

www.kuebler.com



WHAT IS FOR WHAT?

Encoders, inclinometers, displays, slip rings. **So many components** for even more different purposes!

But which component is for what purpose?

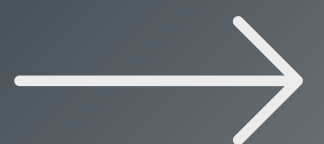
And how can these components **ensure a smooth production process?**

We've got the answers!



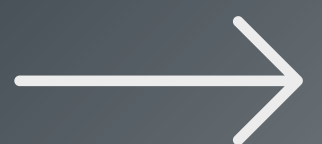
ENCODERS

- 📍 Are often located at **critical points along the conveyor system**, such as the drive motors or the input/output ends of conveyors.
- 💡 **Provide feedback on the position and speed** of the conveyor belts or equipment. This information is used for **precise control, synchronization and monitoring** of conveyor movement.



SAFETY ENCODERS

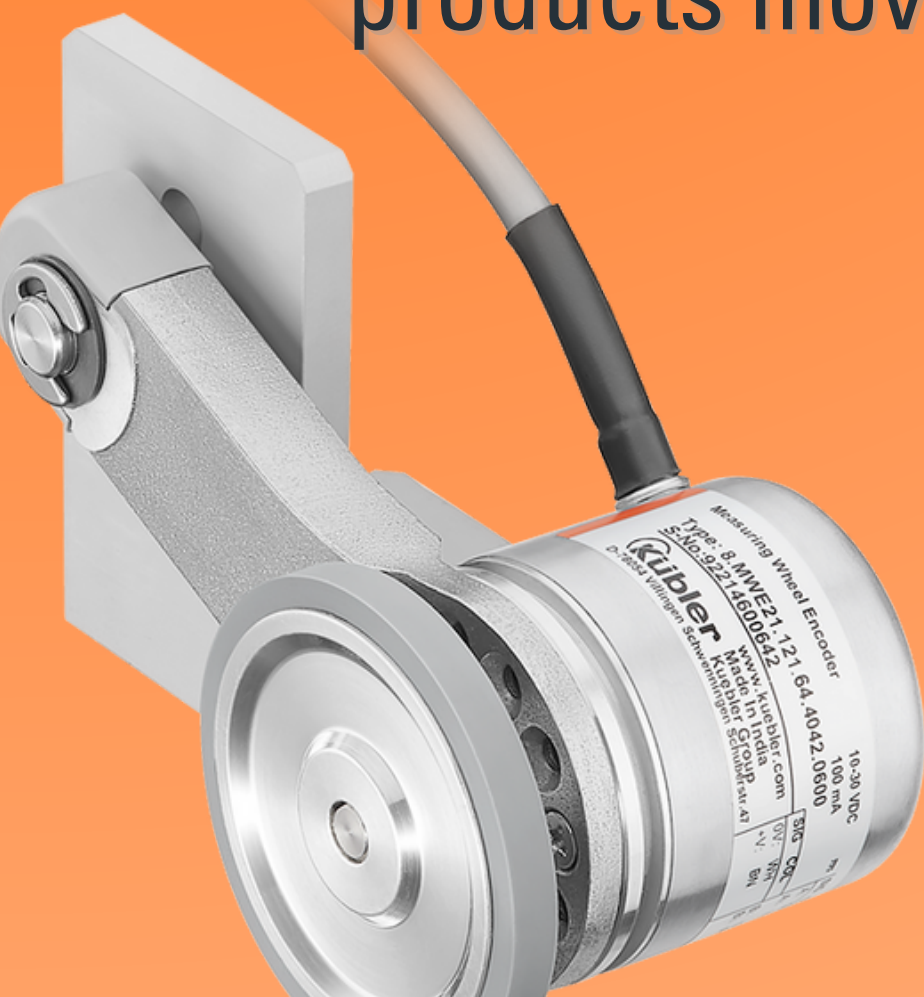
- 📍 Are strategically placed in **areas where safety is a primary concern**, such as near emergency stop buttons or at pinch points on conveyors.
- 💡 Are **designed to ensure the safety of personnel and equipment**. They can trigger emergency stops or safety measures when abnormal conditions are detected, **preventing accidents**.



WHEEL ENCODERS

📍 Are typically installed **on the conveyor rollers or wheels.**

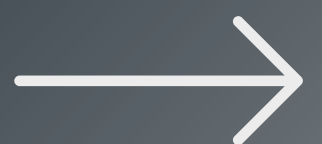
💡 These encoders **measure the speed and distance** traveled by the conveyor belts. This information is **used for precise speed control**, ensuring products move at the desired rate.





DRAW-WIRE ENCODERS

📍 **Are installed on scissors lifts**, typically connected to the moving platform or actuator.

💡 **Measure the height or position** of the scissors lift platform accurately. This data **ensures the lift reaches the desired height** for material handling tasks.





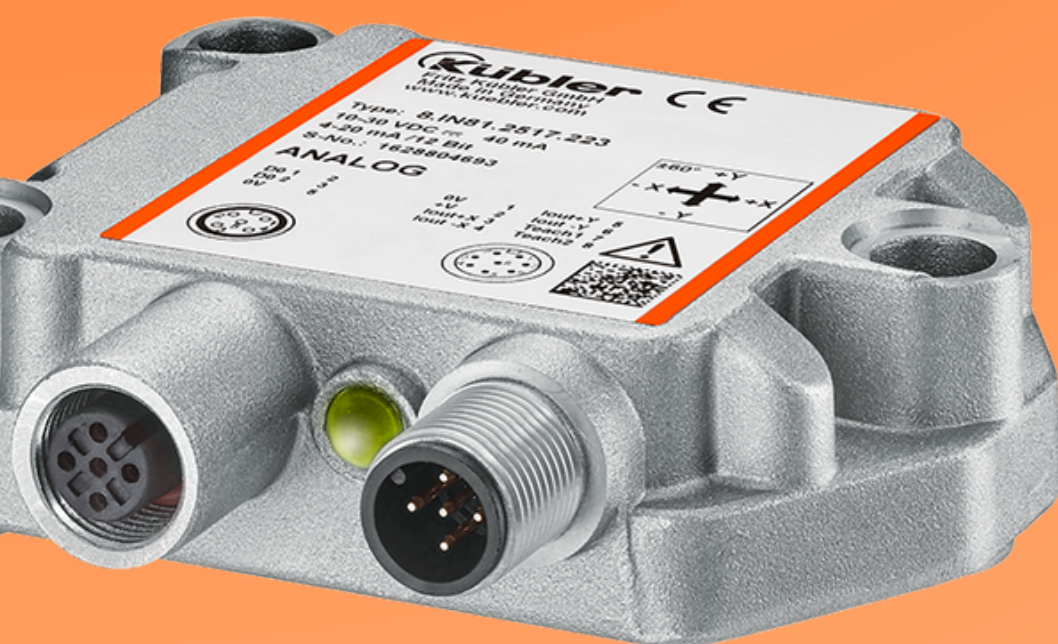
IO-LINK DISPLAYS

-  Are often **mounted on control panels** or in accessible areas for operators.
-  **Provide real-time information** about the status of various components in the manufacturing line. Operators can **monitor equipment performance, diagnose issues and make necessary adjustments.**





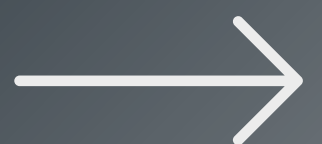
INCLINOMETERS

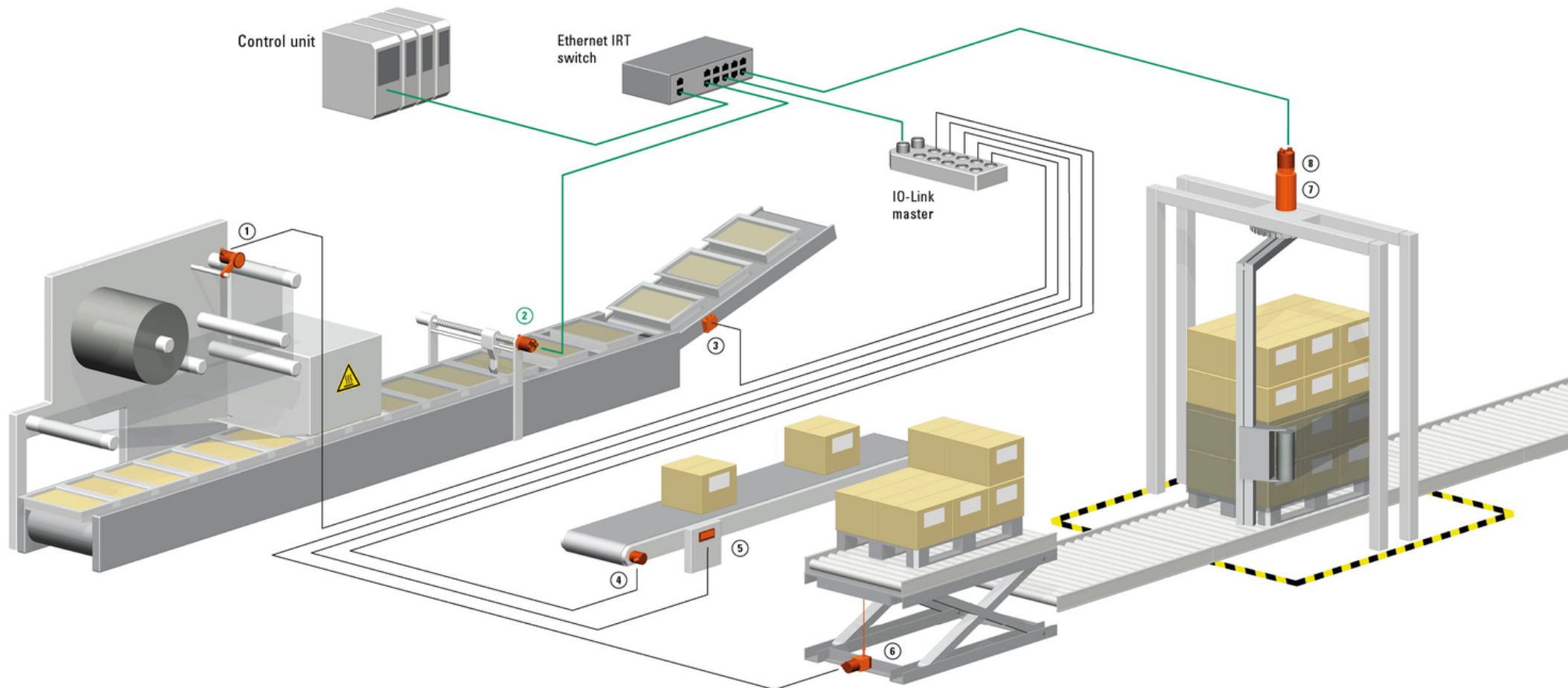
-  Can be mounted on equipment like **scissors lifts or stretch wrappers** to measure the tilt or angle.
-  Ensure that equipment operates **within safe angles or inclinations**. They can **trigger warnings or corrective actions** if the equipment exceeds predefined limits.



SLIP RINGS

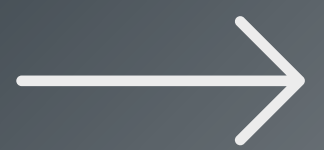
-  Are usually **integrated into rotating components**, such as conveyor rollers or the rotating arm of a stretch wrapper.
-  **Allow electrical signals, power, and data to pass between stationary and rotating parts** without requiring continuous cables. This **ensures uninterrupted operation** and control of the rotating machinery.





- | | | | | | | | | |
|--|--|--|---|--|--|---|--|---|
| <p>① MWE21 IO-Link
Speed control foil tape</p>  <p>IO-Link</p> | <p>② F58x8 Profinet
Position „flying saw“</p>  <p>IO-Link</p> | <p>③ INxx
Inclination conveyor belt</p>  <p>IO-Link</p> | <p>④ M36x8 IO-Link
Speed control conveyor belt</p>  <p>IO-Link</p> | | <p>⑤ 573T IO-Link
Display for conveyor belt speed
+ lift table position</p>  <p>IO-Link</p> | <p>⑥ A50
Draw-wire encoder for lift table
position</p>  <p>IO-Link</p> | <p>⑦ Schleifring SRxxx
Transmission of power and data
up to 1 GBit</p>  | <p>⑧ S58x8FS3 Profisafe
Speed / position rotary unit</p>  <p>IO-Link</p> |
|--|--|--|---|--|--|---|--|---|

Placed strategically throughout the manufacturing conveyor, all these components **help to optimize the performance, safety and efficiency** of the production process.



Control unit

Kübler
Ethernet IRT
switch

CHALLENGE US!

**Contact us or our partners to
discuss your individual
application needs.**

Contact us



www.kuebler.com