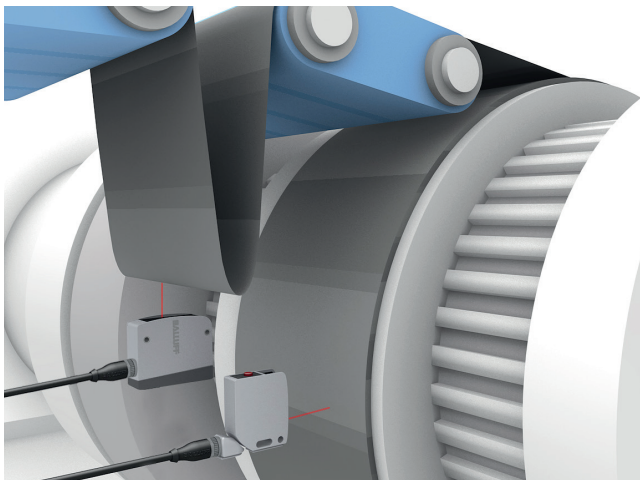


## IO-Link – Measurement

# ADVANTAGES OFFERED BY IO-LINK IN AUTOMATED MEASURING

In addition to configuration and diagnostics, IO-Link sensors that measure offer special advantages: they require no shielded cable, communication is inherently noise-free, and no expensive analog channels are needed. This means IO-Link offers the highest signal quality at the lowest cost.



Measuring the roll diameter and checking sag at a winding station using IO-Link photoelectric distance sensors



Measuring the pressures in a hydraulic power unit – for example on a machine tool – with the help of two IO-Link pressure sensors

At a winding station the roll diameter and sag need to be continuously monitored. Non-contact, photoelectric distance sensors keep you on the safe side. Another advantage: the IO-Link interface significantly increases signal quality compared to the previous product. In a hydraulic power unit, such as on a machine tool, the pressure needs to be reliably monitored. IO-Link pressure sensors provide you with more accurate measurements while the plug-and-play design and unshielded standard cable make for simple installation.



IO-Link-capable photoelectric distance sensors for measuring distances



IO-Link-capable pressure sensor for monitoring pressures



IO-Link-capable magnetostrictive linear position sensor for measuring linear positions



IO-Link-capable magnetic-coded position sensor for measuring linear and rotating positions

Various IO-Link capable measurement sensors are available to meet your application needs:

- Photoelectric distance sensors
- Pressure sensors
- Magnetostrictive linear position sensors for linear position measurement
- Magnet coded position sensors for linear and rotary position measurement

Each IO-Link sensor comes with an IODD (IO Device Description) which enables integration into the engineering environment. This creates the perfect condition for Industry 4.0.