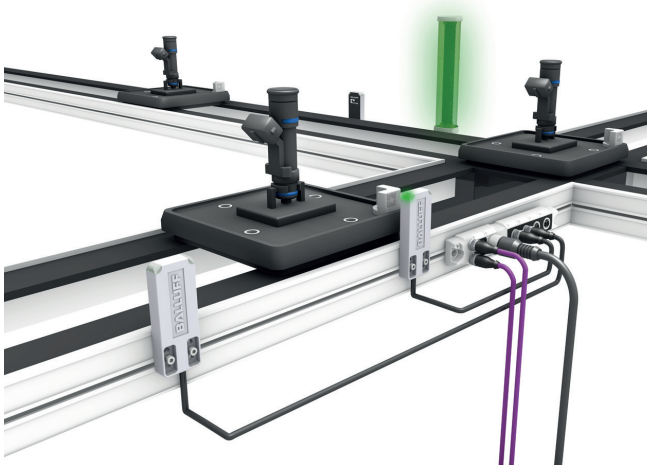


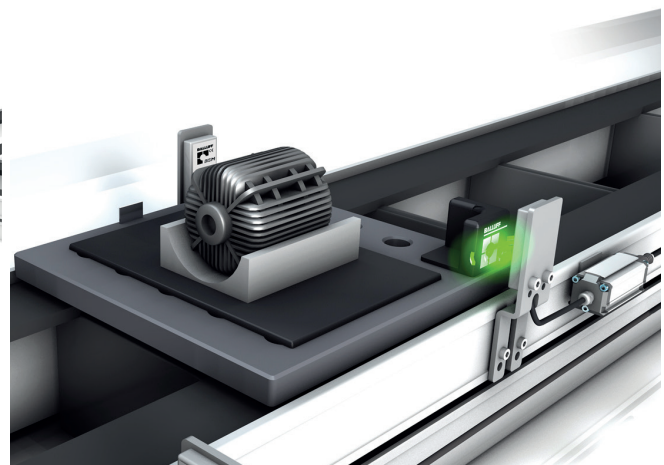
IO-Link – Identification

HOW IO-LINK CREATES LEAN IDENTIFICATION SOLUTIONS

If your identification function is non-time critical, involves little data and requires a lean topology, with an IO-Link solution you do not need a separate processor unit in the field. The read/write head is connected to the standardized, neutral IO-Link interface using a simple unshielded 3-conductor sensor cable. The simplest method is to use plug-and-play, so you don't need a function block.



Reading out the corner data carrier using an RFID read/write head with integrated controller and IO-Link communication with the IO-Link master



Reading out the data carrier using an RFID read/write head with separate controller for tight mounting spaces

A RFID read/write head reads the corner data carrier which can be read from two sides. Both products are especially designed for mounting on standardized workpiece carrier systems and standardized rail systems. Simply connect the RFID read/write head to the IO-Link master unit, which you can then connect up to four IO-Link devices. Using Profibus, the data is made available to the host controller. If you have little space available, a small read/write head with separate controller unit is ideal.



Corner data carriers for workpiece carriers in the fields of assembly and handling, with up to 2kB memory



Read/write head and stack light with IO-Link interface



4-port IO-Link master with Profibus interface

With IO-Link-based automated identification you only need three components:

- Data carriers which carry the object data through the system (Available in various form factors)
- IO-Link capable read/write heads including controllers, which represent the interface to the data carrier, provide data preparation and make the information available over the IO-Link interface
- IO-Link master unit which provides four IO-Link master ports and communicates with the controller over the fieldbus