

## INSPECTING, PACKAGING, SORTING AND PALLETIZING

### Background

Packaging has some very complex automation needs: all the way from die cutting, carton erecting, filling, inspecting and closing, to multi-packing and palletizing. In addition to these actions, which require split second timing, there is also the need to reconfigure equipment to accommodate runs of different material or to perform operations on packages of different dimensions.

In short - versatility, simplicity and configurability are key. Not all products and systems are designed with flexibility, and interchangeability in mind. Fortunately there is a solution.

*The strength of IO Link is its simplicity, the ability to configure it and the diagnostic features*


### Solution

The IO Link system was built with automation in mind. It has a simple master-slave structure, hubs that can be used to share signals with the master and either actuators (outputs) or sensors (inputs) can be plugged in through a handful of standard plug configurations. Sensors and actuators can be configurable to report information that can be used for diagnostics and/or analysis for preventative maintenance programs. Products can be reconfigured on the fly. Performance parameters can also be stored in the IO Link Master so that a replacement sensor can be readily configured after replacement. The BEI Sensors brand supports Industry 4.0 objectives and the 24 volt standard. It also uses the highest allowed communication speed (COM3) under IO Link protocol with a baud rate of up to 230.4kbaud.



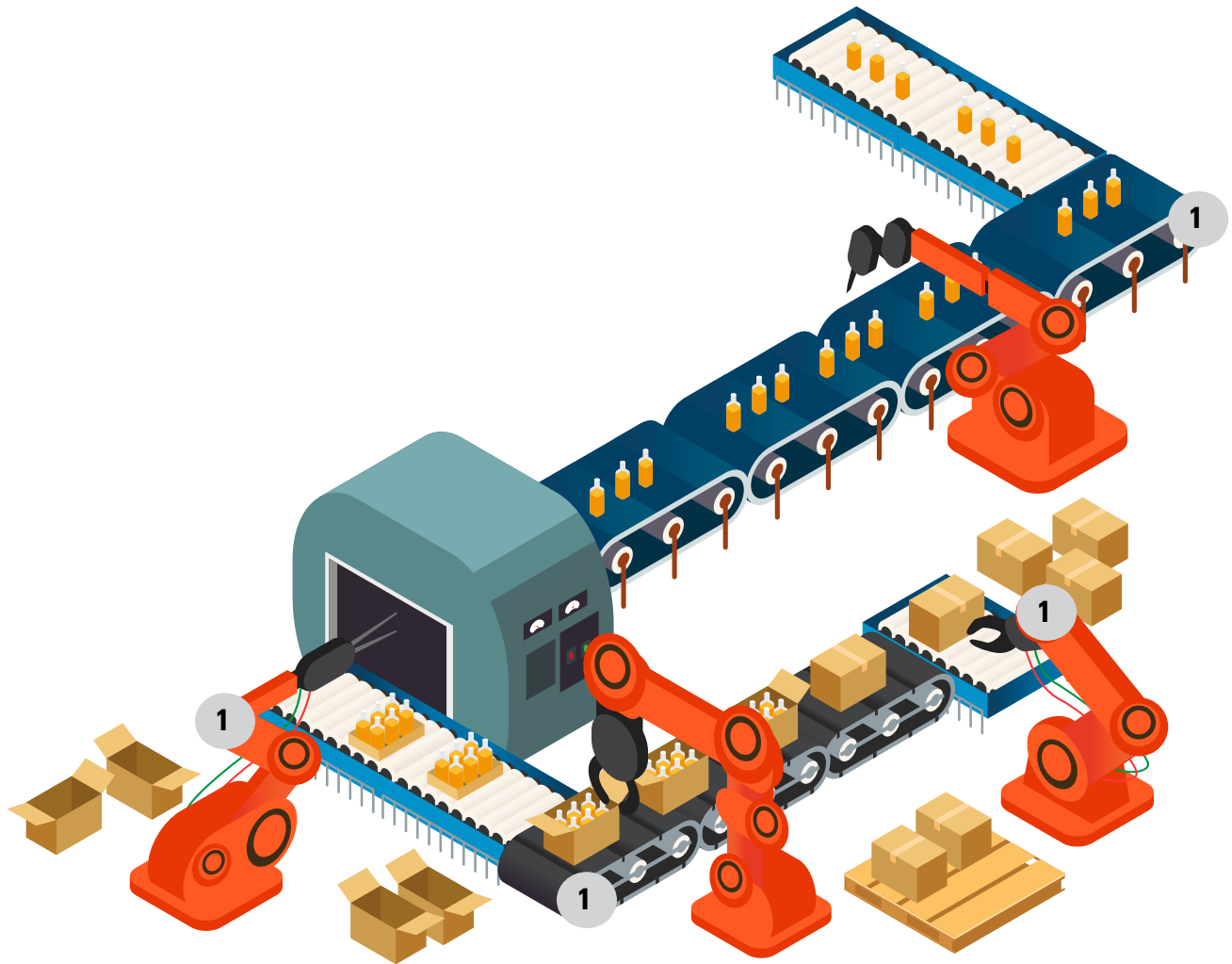


## RECOMMENDED PRODUCTS

Reference on Diagram	Product	Type	Features	Part Number	Function	Brand
1	 TCW4	Hall Effect Sensor	IO Link Interface	TCW4_00//ZIOB//	Rotary Multiturn Encoder	BEI Sensors



## DIAGRAM



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