Increase in overall equipment effectiveness (OEE)

GUIDED CHANGEOVER SOLUTION

Changeover processes on a plant can cost a lot of time if settings have to be changed and change parts exchanged through painstaking manual work – a method that is not only tedious but also prone to errors.

The Guided Changeover Solution, on the other hand, makes format changes faster and easier, thus increasing your OEE. It saves you money and can be retrofitted at any time, even on existing systems. How does it all work?

With the help of intuitive software, the operator is guided through the process step by step. In the process, the sensor technology immediately reports back whether lengths, widths and heights have been set correctly. RFID technology from Balluff also detects the required change parts and ensures that the correct format part is always used.

With the help of the Guided Changeover Software, even employees with little programming experience can make format adjustments more quickly, which reduces downtimes to a minimum. Time-consuming readjustments are a thing of the past, as are manuals and high training costs.

In just three steps to the optimal solution:

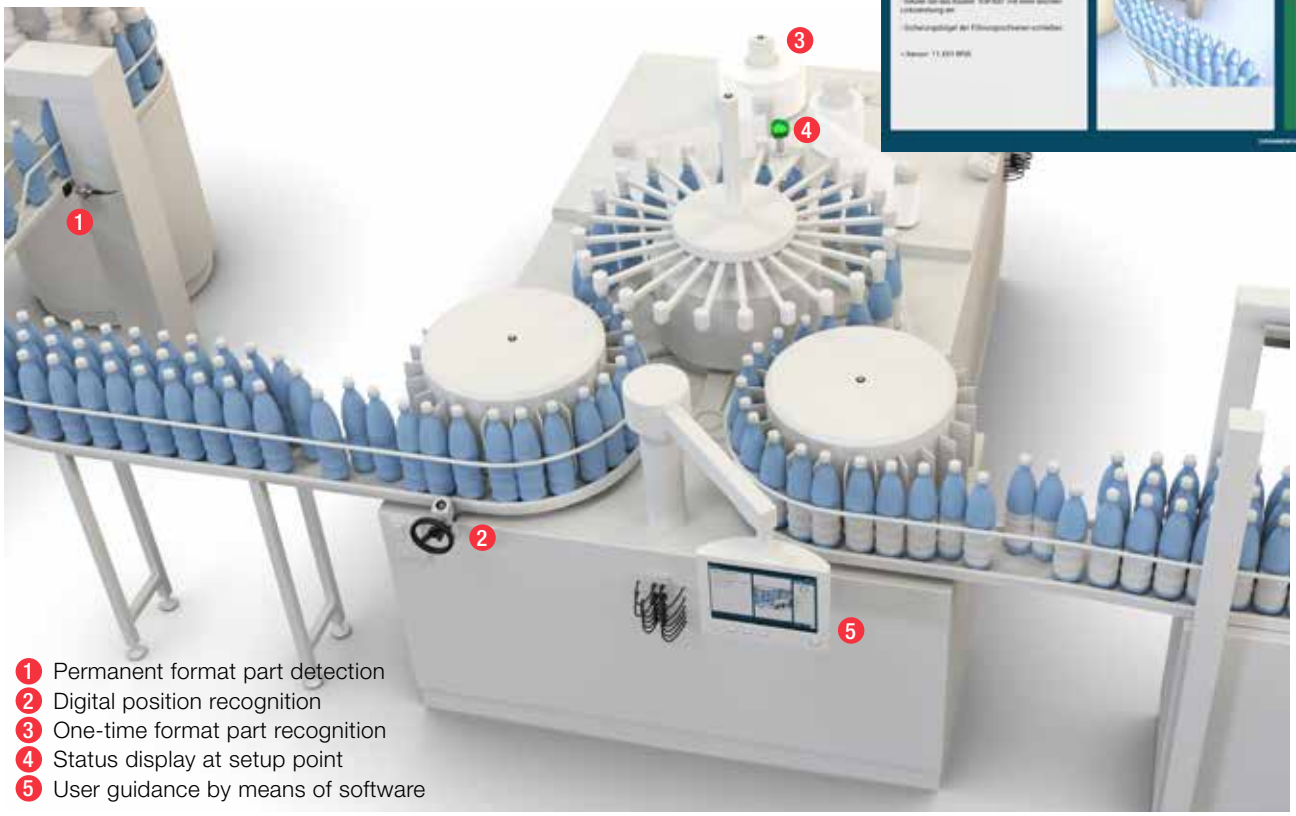
- Identify retrofit points
- Select and install sensors and devices
- Create retrofit instructions

Advantages

- Increase in overall equipment effectiveness (OEE)
- Low changeover and ramp-up times
- Error prevention and minimization of rejects
- Continuous monitoring of changeover points

Features

- Intuitive step-by-step operator guidance
- Easy creation and management of retrofit instructions
- Retrofit solution independent of company network or machine control



1. Permanent format part detection
2. Digital position recognition
3. One-time format part recognition
4. Status display at setup point
5. User guidance by means of software

Explore the Guided Changeover Solution using a bottling plant as an example: Link to Govie

SOFTWARE

		Software license standard	Advanced software license
Create instructions	Create step-by-step instructions for necessary adjustments to each change point	■	■
Operator guidance	During the format change, the operator is guided through each step and receives direct feedback on the setup	■	■
Monitoring	All parameters are monitored. When a parameter is changed, an immediate message is generated	■	■
Handshake to PLC signal transmission to the controller	Possibility to set up a signal for the PLC to start or stop production	■	■
Sensors	License to use 8, 32, 64 or an unlimited number of sensors	■	■
Multiuser mode	Several operators can perform the format change simultaneously at different points of the line		■
History	Documentation monitoring of the format adjustment		■

STARTER KIT

GCS
incl. power supply + cable




	BAI GCS	BNI00EK	BNI0088	BNI00E0
Description	Standard software license Provided on a gateway.	Network blocks for Profinet IO-Link 1.1	LED stack light SmartLight, IO-Link 1.1	Signal light SmartLight Indicator, IO-Link 1.1

SENSORS

6 pcs. included in the order.
Possible selection from:




	BIS01E6	BIS0044	BDG0291	BTL6-U110-M____-PF-S4
Description	HF read/write heads (13.56 MHz) with integrated processor unit, IO-Link 1.1	HF data carriers (70/455 kHz)	Digital position indicator, IO-Link 1.1	Magnetostrictive linear position sensor in profile housing, IO-Link 1.1



	BOD0020	BAW002F	BIP001H
Description	Photoelectric distance sensors, IO-Link 1.1	Inductive distance sensors, IO-Link 1.1	Inductive positioning systems, IO-Link 1.1