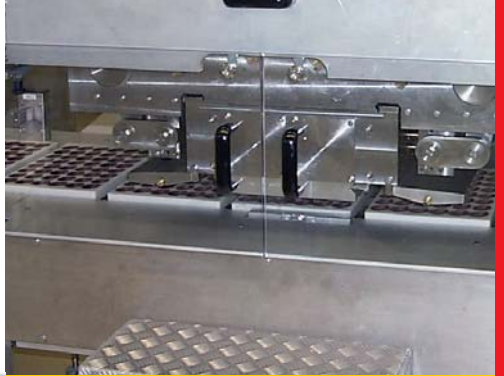


TURCK

Industrial
Automation

**RFID SOLUTIONS
FOR OPTIMIZED
CHOCOLATE
PRODUCTION**

RFID



Sense it! Connect it! Bus it! Solve it!

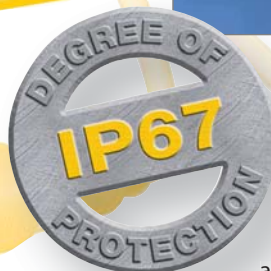
Identification from a single source



components at all. The contactless and fully automatic exchange of data between tag, read/write head and higher level control system covers the entire production process seamlessly from start to finish. We offer customized RFID solutions that enable you to monitor, record and trace back each stage of the value chain.

Compared with conventional automatic identification processes such as bar code or data matrix , BL ident® the rugged RFID solution from TURCK features a major advantage: The data carriers (tags)

as well as the read/write heads operate reliably, even under demanding ambient conditions of chocolate production. Neither high temperatures nor pressure, cleaning agents or humidity affect the

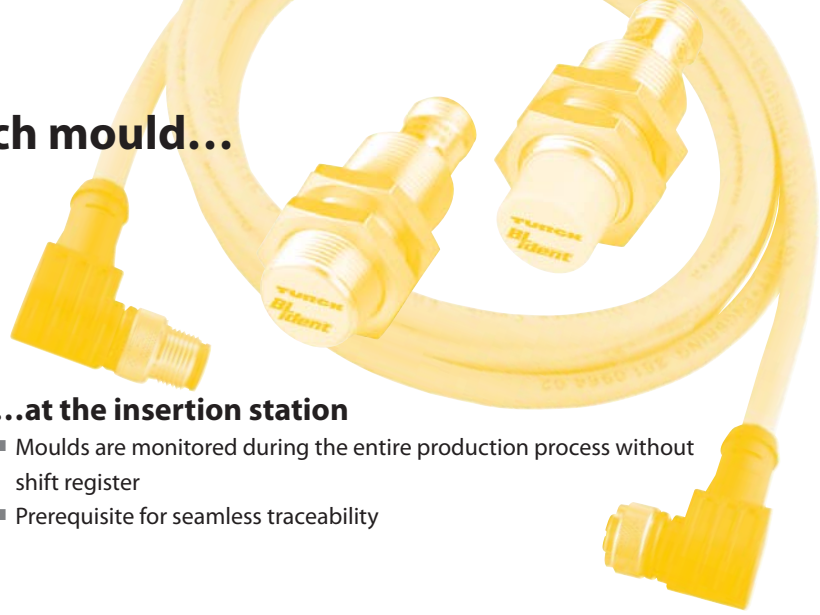


BL ident® – the RFID system from TURCK

The RFID data carriers are integrated in the moulds such as to enable smooth writing and reading during the normal production process. The read/write heads are

selected according to the mounting conditions and the type and position of the data carrier. Thanks to its flexibility and great variety of available components, our modular RFID system *BL ident®* is the right choice for any chocolate production system.

Reliable identification of each mould...



...at the insertion station

- Moulds are monitored during the entire production process without shift register
- Prerequisite for seamless traceability



...at the depositor

- Wrong moulds are identified and not filled
- In flexibly operating depositors, the mould is able to control the depositing process
- Reduced changeover times
- Mixed production of different products



...during inspection

- Clear identification of
 - falsely or incompletely filled moulds
 - moulds with demoulding problems
 - damaged moulds
- Improved product quality and food safety

...at the mould changer

- Falsely or incompletely filled moulds are identified and sorted out – no precautionary removal of correctly filled moulds
- Sorting out of moulds for washing
- Removal of moulds with repeated demoulding problems



...at the washing station

- Automatic selection of optimal cleaning program
- Optimal dosage of cleaning agents, water and power supply
- Longe service life of moulds through gentle cleaning
- Hygiene control of each mould
- Improved monitoring of shift efficiency



...on mould racks

- Location identification of moulds
- Continuous inventory control of moulds – automatic reorder at low inventory level
- Simplified traceability
- Prerequisite for fully automated chocolate production



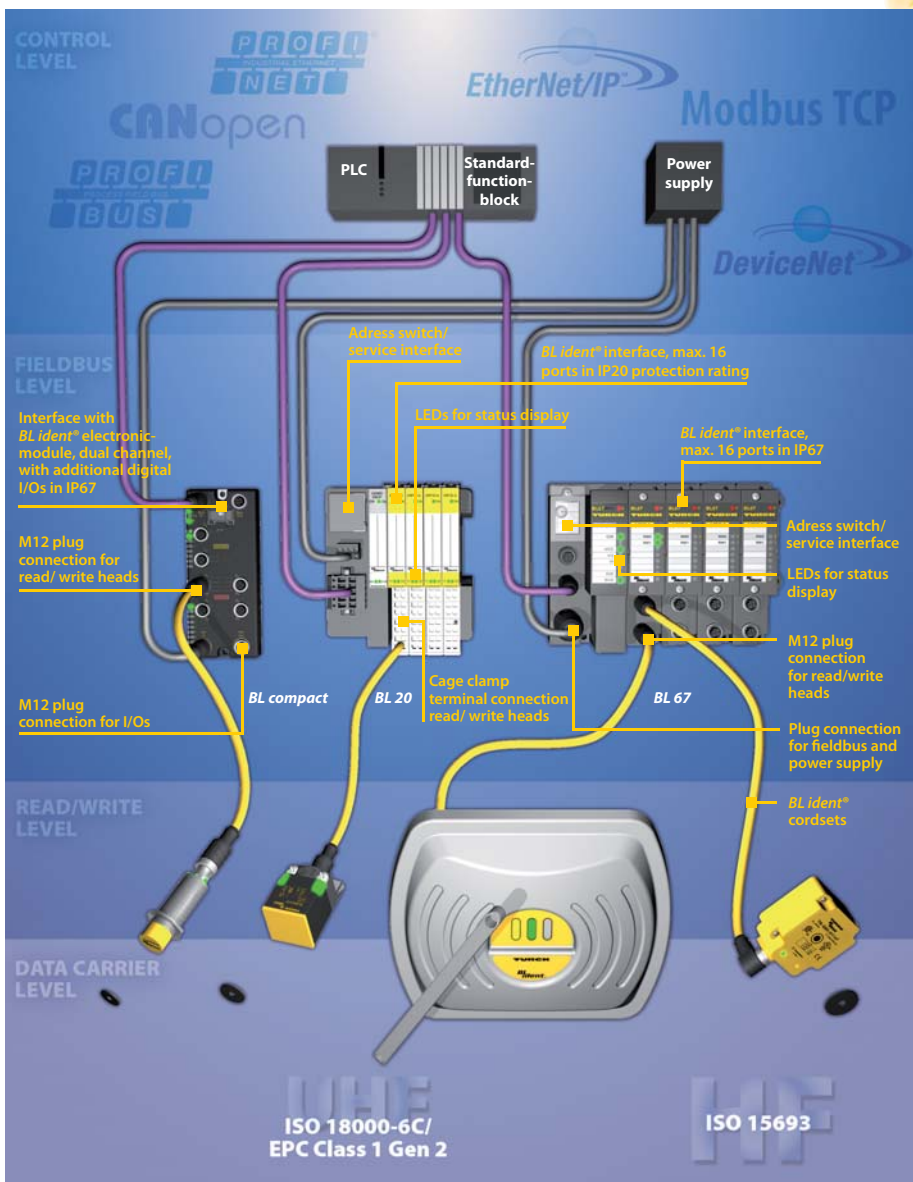
BL ident® – modular RFID system Key benefits for your economic success!

Industrial Automation

BL ident® – Flexibility for your application, security of investment!

The RFID system *BL ident*® is easy to integrate, from the data carrier, over read/write heads, up to simple and quick connection of the system to the

control level. You will be able to configure your system comfortably to your needs. *BL ident*® is a future-proof technology and interoperable due to internationally valid standards. Profit from these benefits and gain highest investment security!



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