Benefits of RFID

Your Benefit Package
- 99% annual return on RFID in the food production. The
  unique-based identification technology allows not only efficient pro-
  duction control but also maximally saving costs and time.
- Tailor-made for typical food applications
- Higher reading rate
- Higher information content on the data carrier without a data-
  carrier connection
- Resistant to cleaning operations
- Read and write without visual contact with significantly higher
  scalability
- Increased efficiency through seamless production control, reduced
  changeovers, instant issuance of different products, as well as
  decoupling of production and logistics
- Less space due toetag size, as well as increased operational flexi-
  bility since after cleaning operations
- Adaptable incorporation of RFID into the value chain of produc-
  tion such as control, quality assurance, traceability, and
  logistics
- New area-based on food cylinrs or even removal in case of produc-
  tion problems
- Radio-based identification technology allows not only efficient pro-
  duction control but also easy traceability, increases the availability
- Profits in several ways from RFID in the food production. The
  added value lies in the reduction of labor and various overheads
  such as cleaning and monitoring costs
- Your Global Automation Partner

Modular RFID System BL ident®

- Unique setup in one modular RFID system for the different
  production lines in the food industry. The TURCK RFID system BL
  ident® is the ideal product for the food industry. TURCK are the best com-
  panies in the world. The TURCK BL ident® system has a broad range
  of products and can be tailored to the specific requirements of the
  food industry. The TURCK BL ident® system is suitable for the
  food industry with its compact, robust, and chemical-proof
  design.

- The RFID system is designed for the food industry with its
  compact, robust, and chemical-proof design.

- Each BL ident® system can be flexibly con-
  figured to meet the specific requirements of the
  food industry. The RFID system can be tailored
  to meet the specific requirements of the
  food industry.

- You find these products in the application examples on the back side

- 24 subsidiaries and over
  60 representations worldwide.
RFID Solutions for Reliable Identification of:

**Metal Hooks**
- Tracking of metal hooks in the production process
- Data carriers, flush mountable in unslotted hooks
- Read/write head QM42 with protection class IP69K for reliable identification of the hook under production conditions

**Test Bottles**
- Optimal control with time stamp
- Controlling the auto-claving processes by capturing the carriers during loading and unloading
- Special data carriers for high temperature, moisture and pressure loads involved in pasteurizing and sterilizing processes

**Cheese Moulds**
- Selective removal in the event of possible production problems
- Application-optimized data carriers and read/write heads for the food industry

**Machine Parts**
- Prevention of machine downtime through on-line monitoring of machine parameters
- Identifying machine defects through on-line monitoring of machine parameters
- Reliable data carriers, fluid mountable in metal

**Machine Operators**
- Individual permission/access control of the machine operators
- More secure than PIN method, that could be spied out and used by unauthorized persons

**Stainless Steel Containers**
- Tracking of stainless steel containers in the production process
- Wide read/write head with long range and great coverage
- Reliable identification even with inaccurate container position

**Plastic Boxes for Intralogistics**
- Tracking of goods carriers in conveying systems
- Integration of the data carriers below the top edge of the box
- Reliable identification even with inaccurate box position by wide reaching UHF technology

**Machine Operators**
- Tracking of machine operators by capturing the carriers during loading and unloading
- Identifying machine defects through on-line monitoring of machine parameters
- Reliable data carriers, fluid mountable in metal

**Plastic Boxes at Workstations**
- Increasing the efficiency of slaughterhouses by identification of each individual meat box at different workstations
- Installation of data carrier directly into the bottom of the box
- Highly resistant read-write heads in Wash-Down design

**Drying Racks**
- Controlling the drying process of sausages by identification of the drying racks
- Increased efficiency through accurate documentation of the weight loss during drying

**Metal Racks in the Interim Storage Facility**
- High availability of production means through clear identification of the storage racks
- Integration of the read/write head in the fork lift truck
- Robust data carriers for direct mounting on metal

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**Pallets**
- Tracking of plastic and wooden pallets
- Long range, possible through UHF technology
- The EPAL pallets equipped with RFID as well as the WORLD pallets according to DIN EN 13698-1 can easily be processed

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