Solutions for the Automotive Industry

Tier 1

Identification of Seats

- The RFID system 8x series allows non-contact and quick seat assembly.
- A data carrier for each individual seat ensures an accurate seat assembly.
- The automatic process leads to the precise mounting position and seat assembly.

Identification of Skids in Production

- LF-data labels (plastic labels on the bumper of the RFID system 8x-disk®) and transponders allow toll-free transport and evaluate traffic data.
- The LF-data labels are clear to read and require no identification of each transport system.
- Intelligent processing in RFID scanners and ERP systems.

Press Shop

Pressure Monitoring of Hydraulic Presses

- Rugged sensors on hydraulic systems ensure constant high-pressure operation and high accuracy.
- Sensor and data carrier are easily readable and powerful high accuracy.

Identification of Gears

- The RFID system 8x series allows non-contact and quick gear assembly.
- Gear carriers labeled with the HF-data label ensure precise gear assembly.
- The data carrier is clearly identifiable, which is important especially in repair places or during removal from the pallet.

Paint Shop

Identification of Skids

- The high-temperature RFID data carrier is reliably readable even in the high-temperature process.
- The HF-data label ensures precision and consistency of the data carrier, which is important especially in repair places or during removal from the pallet.

Press Shop Inspection of Sheet Metal/Tool Identification

- The RFID system BL ident® allows transparent and efficient seat assembly.
- A data carrier on the tray enables clear identification of type and status.
- A smart label in the vehicle seat allows the just-in-sequence production and a clear traceability.

Identification of Gears

- The release date of the RFID system 8x series allows for the non-contact and quick gear assembly.
- The data carrier labeled with the HF-data label ensures precise gear assembly.

Body Shop

Identification of Gears

- The smart label (plastic labels on the bumper of the RFID system 8x-disk®) and transponders allow toll-free transport and evaluate traffic data.
- The LF-data labels are clear to read and require no identification of each transport system.
- Intelligent processing in RFID scanners and ERP systems.

Pressure Test of Welded Nuts

- TURCK multiprotocol allows the use of a module in PROFINET, EtherCAT™ and Modbus TCP.
- Integrated Fast-Startup/Quick-Connect function for removable tool applications.

Flow Sensors in Robot Media Panels

- Temperature, pressure and other sensors monitor all cooling water and compressed air parameters on welding robots and ensure a consistently high quality of welding.
- The media panel serves as interface of all supply media – such as cooling water for welding guns and compressed air for vacuum grippers.

Identification of Gears

- The screwable data carriers of the RFID system BL ident® allow for the automated assembly and disassembly of the motor or gear housing.
- All relevant information of the product exist in the screwable data carrier, which is important especially in repair places or during removal from the pallet.

Identification of Gears

- The data carrier is clearly identifiable, which is important especially in repair places or during removal from the pallet.
- The measuring light grids EZ array with downstream BL67 IO-system recognize reliably different body types.
- Prevention of downtime or crash, for example, when passing on the bodies from skid to hanger system.

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Over 30 subsidiaries and 60 representatives worldwide!
Inductive Sensors
- Linear position and angle sensors
- Contactless position and distance measurement
- Measuring lengths up to 1 m
- Detection of position changes down to 1 mm.
- High-precision measurement of angles up to ±0.05°.
- Measuring ranges up to 180°.
- Magnetic field sensors
- Electro-magnetic quasiposition, with high accuracy and reliability.
- Linear position and linear scale sensors
- Measuring principle: inductive
- Resolution:
- For sensors, actuators and fieldbus systems
- Multiproduct technology for PROFINET, EtherCAT and Modbus TCP
- ... signals anywhere
- 360° angle detection
- Connect Reliably
- Compact I/O Modules in IP67 and IP20
- Multiple-sensor connectivity
- Multiprotocol technology for PROFINET, EtherCAT, and Modbus TCP
- ... signals anywhere
- Modular I/O system IN20
- Gates for many different interfaces (Ethernet and EtherCAT), can be programmed as PROFINET, CODESYS V3, or in block modules
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Communicate Effectively
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