Tier 1

Identification of Gears
- The RFID system BL ident® allows transparent and efficient gear assembly.
- A data carrier on the gear ensures clear identification of the gear housing at the assembly station.

Press Shop

Pressure Monitoring of Hydraulic Presses
- Rugged sensors ensure high-precision control of the production process.
- The sensor system is highly accurate and provides high reliability.

Body Shop

Presence Test of Weld Nuts
- Weld-proof inductive sensors of the uprox® series guarantee safe and precise monitoring and assembly operations.

Paint Shop

Identification of Gears
- The system uses data carriers to ensure clear identification of the gear housing at the assembly station.

Powertrain

Contactless Control of Pallets
- The inductive coupler NIC allows the contactless and wear-free transmission of power and data.
- The relevant pallet is clearly identifiable without further measures due to the coupler.

Identification of Gears
- The system uses data carriers to ensure clear identification of the gear housing at the assembly station.

Paint Shop

Recognition of different body types
- 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.

Final Assembly

Robot Assembly of Windscreens and Accessories
- Rugged block-I/O modules in IP67 for installation directly on the robot or gripper allow space-saving construction and quick installation.
- TURCK multiprotocol allows the use of a module in PROFINET, EtherCAT and Modbus TCP.
- Integrated Fast-Startup/Quick-Connect function for removable tool applications.

Worker Guide on Modular Assembly Areas
- Pallet light sensors ensure the correct gripping position of the component to be assembled and avoid the risk of jamming.
- Pre-assembled system saves considerable set-up areas.
- The sensor system is highly accurate and provides high reliability.

Identification of Gears
- The high-temperature RFID data carriers are reliably read in demanding and extreme environments.
- The sensor system is highly accurate and provides high reliability.

Identification of Stubs
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Solutions for the Automotive Industry

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