

Door panel test systems – We open the door for you!

Presence detection and function tests of components in door panels



Example for testable components of a door panel

Capabilities

- Function- and presence tests of different door panel components
- Measuring technology according to your requirements, multi-purpose application
- Flexible hardware design: from a mobile system to a complex test bench
- Integration in an existing assembly line possible
- Comfortable user interface
- Logging of test results
- Connection with an existing production control system
- Compatible with TSK test modules and adapters

Test methods

- Analogue measurements such as voltage, current or resistor

Optional:

- Digital communication and diagnosis (KLINE, LIN, CAN, etc.), such as reading out of switch or memory data, parameters, cleanout of the "error" memory
- Sensor tests
- Optical control by the Visual Inspection System



Example of use:
Insertion of a door panel in a test bench



Optional:
After a successful test, a label print-out is possible



Well-arranged user interface

Basic or customized test system?

Let our experiences be your advantage!

Equipment

Hardware

Mechanical components

- Individual TSK-adaptations

Optional:

- Parallel controlled TSK-adaptations for different door panels
- Compact, mobile test box (see picture)
- Complex test bench with/without sensor system



Components*

- PC or laptop, network-compatible
- Power source according to the requirements
- Automation components for the test run (relays, sensors, pneumatic cylinders, etc.)
- Individual wiring

* A feasibility study by TSK is mandatory

Software

Integration in a production control system

- File interface (ASCII, XML, etc.)
- PLC interface (S7, DIO, etc.)
- TCP/IP interface
- Direct database interface (SQL, MS-Access, etc.)
- Customized solutions

User interface

- Intuitive user guidance
- Visualization of all essential information

Optional:

- Sensor test: position check of mechanical components



Measurement technology*

- Analogue, according to the requirements and the measurement precision

Optional:

- Bus controller
- Sensors
- Visual Inspection System

Peripheral equipment

- Monitor

Optional:

- Scanner
- Remote control
- Printer



Example for a moveable customized test bench



System control

- Comfortable editor for test parameters and programs
- I/O-control



Optional:

- Automatic hardware control
- Rest-of-bus simulation
- Label print
- Colour marking of "GOOD"- test samples