# Door side panel testing technology | MidiAdvanced with swivel frame

## Product description

The test station is used for end-of-line testing of door side panels. The operator loads the system with the door lining (B-side up), scans the construction order and connects the coupling points with the contacting adapters. This leads to the direct start of the electronic component test, in which the installed electronic components are checked for presence, communication and function. Using the swivel frame, the operator can swivel the door covering by 180° and check the switches and ambient lighting for full function. In both positions, different variant and installation features are checked by several cameras and pictures are taken for documentation purposes. The swivel frame is only released for opening after successful testing.

## Field of application

Quality control and End-of-Line check in the production/manufacturing area.

Software | Electronics | Sensors | Fixture | Image processing

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## Technical data

### Test bench/device

- Swivel frame for the test specimen holder incl. locking mechanism
- Multiple automatic contacting adapter with automatic release and decontacting
- Electrical height adjustment and external light shielding
- Measurement, test, control and supply technology in MidiAdvanced version (rack)

### Software

- TST-Win test system
  - All settings and processes are menu-driven and freely programmable
  - Extensive possibilities for controlling the sequence and the measurements
  - Visualization of test results by means of a table of measured values and additional graphic display
- Module „Remote maintenance“ enables remote access by ITronic service personnel
- Module „MES“ enables variant-dependent testing by a higher-level system
- Module „ITDB“, incl. vITronic, enables evaluation and statistical processing of measurement data
- Module „Image processing and image documentation“ enables the use of cameras

### Scope of testing

- Electronic testing (according to manufacturer's specification):
  - Window regulator switch, seat adjustment switch, light rotary switch (LIN communication incl. actuation)
  - Central locking, tank request switch (presence control)
  - Exit light, ambient lighting (presence check incl. blind audit)
- Visual inspection:
  - ornamental strips, switch types (variant control)
  - Chrome parts, plastic clips (presence check)
- Picture documentation

### Input-/visualisation units

- Keyboard
- Monitor
- Button box

### Dimensions/Transport

- ca. 1500 x 2250 x 1250 mm (WxHxD)

### Test time

- Individual, depending on test scope

### Exemplarly device type

- 006 7582

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