



## Assembly/test station for door side panels

### Product description

The system is used for assembly with time-parallel optical inspection of door and rear side panels. For this purpose, two test fixtures with horizontally swivelling workpiece carriers are used. The optical inspections are realized by means of cameras and image processing software. To support the ergonomics, the specimen holders are electrically height-adjustable.

### Field of application

Assembly lines, rework stations in the production of preassembled complete elements.



## Assembly/test station for door side panels

### Technical data

#### Test bench/device

- 2x mechanical test fixture with swivel frame made of aluminium tube
  - Four high-resolution cameras per testing device
- Rack
  - Test and supply engineering

#### Software

- TST-WIN under Windows
  - Control of the cameras and image processing
  - All settings and processes are menu-guided and freely programmable
  - Variant dependent check, specification of the check contents by production order
  - Extensive evaluation and statistics options, data export
- Powerful image processing software toolkit with multiple options
  - Contour recognition
  - Position detection
  - Survey
  - Different evaluations per image can be parameterized

#### Scope of testing

- Optical variants/assembly control, parallel to assembly
  - Recording of various detailed sections of large areas

#### Input-/visualisation units

- 2x Monitor
- 2x Control box

#### Dimensions/Transport

- 3950x2400x1250 mm (WxHxD)
- Weight approx. 685 kg

#### Test time

- Individual, depending on test scope

#### Exemplary device type

- 006 3406