Software Electronics Sensors Fixture

iT
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Bumper test system | Midi with double test table

Product description

The double table is used for final assembly and End-of-Line testing of automotive bumpers. The bumper is manually inserted into the fixture and connected to the test equipment via a contacting adapter.

After the transfer of the construction order by the customer's production flow system, the bumper is manually inserted into the fixture and connected to the test technology via a contacting adapter.
All installed sensors and electronic components are tested for presence and function according to the manufacturer's specifications. In the case of a bumper with headlight cleaning system, this is pneumatically extended so that the operator can mount the caps. Only after release are the resulting test results reported back to the customer's production flow system and documented. The bumper can be removed after the test and transported through the system to the bumper transport frame using the double test table concept.

Field of application

Final assembly, quality control and End-of-Line test in the production/manufacturing area

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Technical data

Test bench/device

- Two-piece test table with specimen holders
  - Pneumatics for extending the headlamp cleaning system
- Measuring, testing, control and supply technology in Midi design (under the test table)

Software

- TST-WIN under Windows
  - All settings and sequences menu-driven 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

Scope of testing

- Electronic testing (according to manufacturer's specifications):
  - Ultrasonic parking aid sensors including distance measurement
  - Radar sensor, cameras
- Presence check of the cable harness
- Additional assembly of the headlight cleaning system cover

Input-/visualisation units

- Keyboard
- Monitor
- Barcodescanner (manually)
- Control box
- Label printer

Dimensions/Transport

- 2228x82 to 118x123 mm (WxHxD)
  Weight approx. 194 kg

Test time

- Individual, depending on test scope

Exemplarly device type

- 105 6850

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