



Mounting and testing device for vehicle base carriers

Product description

In the case of vehicle base carriers, a wide range of different assembly work must be carried out. A total of three different vehicle types are covered by this assembly and testing device. The assembly and testing device covers an operator-guided step-by-step instruction including a subsequent camera inspection of the installed components, so that each basic carrier can be delivered in the planned quality.

Field of application

Final assembly, quality control, end-of-line testing in the production/manufacturing area.



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Technical data

Test bench/device

- Modular test table with assembly and test piece holder
 - Electrical height adjustment
 - Combi mount designed for 3 vehicle types
 - Pneumatics including air pistol for cleaning
- Measurement, test, control and supply technology in Maxi version (behind the test table)

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 „Assembly“ enables the integration of operator instructions and monitored tools
- 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

- User-guided assembly instructions via software module "Assembly"
 - Assembly of body nails, sealing washers and license plate lights
- Visual inspection:
 - Correct assembly and locking of the body nails including existing protective cap
 - Correct body nail length (variant control)
 - Correct position of the sealing disc and installation of the license plate light (presence check)

Input-/visualisation units

- Keyboard
- Monitor
- Button box

Dimensions/Transport

- 1800 x 2250 x 1000 mm (WxHxD)
- Weight approx. 375 kg
- Fork lift foot tubes

Test time

- Individual, depending on test scope

Exemplary device type

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