



Bumper test system | MidiAdvanced with test table

Product description

The test table is used for End-of-Line testing of completely assembled motor vehicle 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 test starts.

For this purpose, all installed sensors and electronic components are tested for presence and their function according to the manufacturer's specifications. In addition, an obstacle test is carried out with the ultrasonic sensors. The test results are reported back to the customer's production flow system and documented.

Field of application

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



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Technical data

Test bench/device	
<ul style="list-style-type: none"> • Test bench <ul style="list-style-type: none"> - Individually expandable test table made of aluminium profiles - Precise bumper fixture - Obstacles for testing ultrasonic sensors according to manufacturer's specifications • Measuring and testing technology in MidiAdvanced test rack (integrated in the substructure) 	
Software	
<ul style="list-style-type: none"> • TST-WIN test system <ul style="list-style-type: none"> - All settings and processes 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 	
Scope of testing	
<ul style="list-style-type: none"> • Electronic testing (according to manufacturer's specifications): <ul style="list-style-type: none"> - Ultrasonic parking aid sensors including distance measurement - Short-range radar sensor 	
Input-/visualisation units	Dimensions/Transport
<ul style="list-style-type: none"> • Keyboard • Monitor • Barcodescanner (manually) • Control box • Label printer 	<ul style="list-style-type: none"> • 3000x1200x1500 mm (WxHxD) Weight approx. 270 kg
Test time	Exemplary device type
<ul style="list-style-type: none"> • Approx. 35 s 	<ul style="list-style-type: none"> • 105 4057