



CIM-LWS test station for ESP steering angle sensors

Product description

The test station is used for the automatic function test of steering angle sensors and coil spring cassettes in steering column switch modules. The simulation of the rotary motion of the steering wheel is performed by a servo drive.

Field of application

Quality control and end-of-line testing in the area of manufacturing/production



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Technical data

Test bench/device	
<ul style="list-style-type: none"> • Conveyor line with workpiece carriers • Handling of the airbag cable set by means of adapter and transfer to the drive axle • Rotary motion by servo drive, torque limited • Automatic adaption torque/angle of rotation measurement • Test is carried out in original installation position • Automatic type change 	
Software	
<ul style="list-style-type: none"> • TST-Win under Windows <ul style="list-style-type: none"> - All processes and settings are menu-driven and freely programmable - Automatic type change • Extensive evaluation possibilities, daily/monthly/worker statistics • Visualization of the test results • Communication to test cell control via TCP/IP • Data transfer to line computer for traceability 	
Scope of testing	
<ul style="list-style-type: none"> • Measurement of torque angle of rotation Contact connection <ul style="list-style-type: none"> - $\pm 1080^\circ$, resolution $0,1^\circ$, resolution $0,1^\circ$. - ± 100 cNm, resolution 0.01 cNm - $\pm 1500^\circ/s$, tolerance $\pm 0.2\%$ • Functional test via CAN-BUS, non-linearity, code disk measurement, torque measurement, coil spring Aribag cables resistance and disconnection 	
Input-/visualisation units	Dimensions/Transport
<ul style="list-style-type: none"> • Monitor • Keyboard 	<ul style="list-style-type: none"> • Approx. 1200x1800x1200 mm (WxHxD)
Test time	Exemplarly device type
<ul style="list-style-type: none"> • 29 s 	<ul style="list-style-type: none"> • 289 1046