

Cushion System – To sit safely!

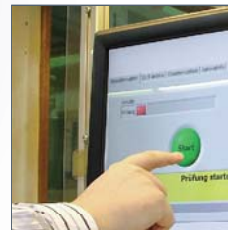
Cushion tests in the automotive sector



Customized
Cushion system

Capabilities

- Functional test before the final assembly
- Test all variants in one system
- Test of LHD and RHD units in one system
- Display, save and transmit test result data
- Ergonomic and user friendly



Ergonomic and user
friendly test system

Test objects

- Cushion adjustment engines
- Attachments
- Cushion specific components



Test spectrum

- Detection of over mounting
- Test seat adjustment
- Noise measurement during the movement
- Execute stress tests
- Presence detection of attachments
- Movement to delivery position

Customized test systems

Let our experiences be your advantage!

Equipment



Adaption

- Tolerance independent
- Possibility of dimension control
- Pneumatic clamps
- Clamp complies to mounting points
- Ergonomic accessible test sample intake

Optional: Extension by noise sensor to validate movement noises

Force input

- Weight mass on requirement
- Force input by automatic weight lifter
- Cushion specific attachment

Optional: Extension by noise sensors to validate movement noises



Hand adapter

- Direct connection to engine connectors
- Variant independent
- High power contacts for supply
- Low power contacts for signals

Test sequence

1. Receive order data and compare to barcode
2. Insert and connect test sample
3. Apply force input
4. Move seat adjustment to end positions
5. Pick force input
6. Show test result
7. Disconnect and remove test sample
8. Transmit and save test result



Engineering

- Individual software and system engineering
- Integration in existing processes
- After sales service

Let our experiences be your advantage!