

Backrest System – Settle back!

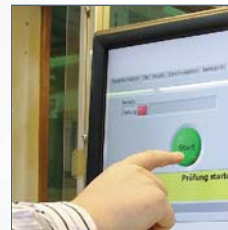
Backrest tests in the automotive sector



Customized
Backrest system

Capabilities

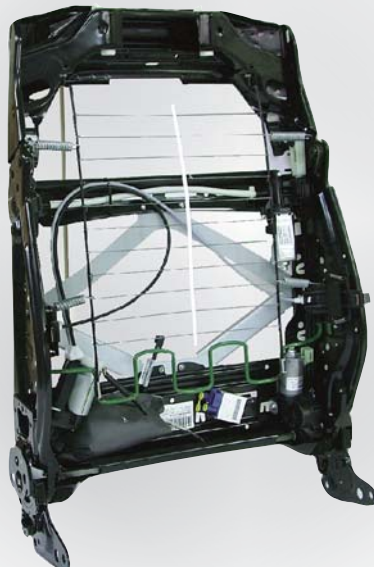
- Functional test before the final assembly
- Test of all variants in one system
- Test of LHD and RHD units in one system
- Display, save and transmit test result data
- Ergonomic and user friendly



Ergonomic and user friendly system

Test objects

- Backrest adjustment engines
- Attachments
- Backrest specific components



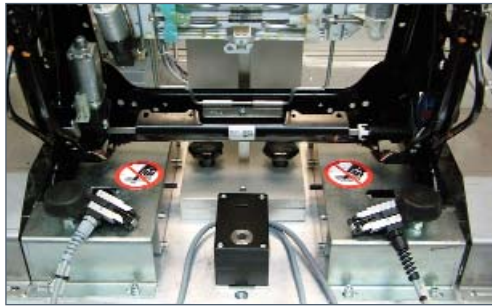
Test spectrum

- Detection of over mounting
- Test seat adjustment
- Angle measurement
- 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
- Optional:** Extension by noise sensor to validate movement noises

Angle sensor

- Backrest specific attachment
- Measurement range: $\pm 45^\circ$



Optional: Extension by noise sensor to validate movement noises



Force input

- Weight mass on requirement
- Force input by cable winch
- Weight free, single-handed control
- Backrest specific attachment

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. Move seat adjustment to end positions
4. Display test result
5. Disconnect and remove test sample
6. Transmit and save test result



Engineering

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

Let our experiences be your advantage!