



TEST ENGINEERING  
MECHATRONICS

Braking System

Fluid Transfer

Transmission

**Car interior**



# Car interior

## Rigidity test



SDI's Test System for Rigidity are smart solutions for testing durability and making characterization of interior parts in a vehicle. SDI's application are designed for global automotive suppliers facing high quality requirements and needing precise and repeatable measurements.

### Durability and Characterisation

#### Recreating Real-Life Constraints

SDI's test systems are designed to recreate precisely real-life constraints. The test system is able to generate force on component (push or pull force). All the variables are easily set-up by the operator and are dynamically controlled by software.

#### Durability and characterization Testing

SDI's Test System has been designed for durability and characterization testing.

The user-friendly interface of the software, allows the operator to easily set-up endurance cycles over long periods of time without having to worry about changes in the environment's variables.

Characterization may be mechanical but also acoustic (NVH).

#### Cost efficient and reliable

SDI adapts the size of the application to your needs to minimize cost and maximize return on investment. With increased productivity and flexibility without limit, our application is your best bet for a cost efficient solution.

#### Robot integration

To ensure a perfect repeatability in test point position, the rigidity test system can be integrated with a robot arm.

#### Traction and Compression

SDI's control console is ideal to apply tension and compression efforts quickly and with high precision. Thanks to its configuration and adapted settings, the solution allows easy control of an electric actuator in velocity, force and position.

SDI is a test engineering company offering reliable and innovative solutions in test systems and mechatronics. Our solutions include the provisions of test systems, software and services ranging from your needs' definition to the installation and the analysis of the test's results. We are here to help you conceive products that precisely answer norms, quality and reliability constraints set by your clients. SDI complies with the ISO - 9001 : 2008 norm. SDI is also committed to sustainable development. The company is an active member of the Environmental Managers Network and has put in place ISO 14001 environmental controls.



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