



**Test systems for passenger and commercial vehicles**  
Research + Development

## Test stands for research and development

**Safety**  
**Driving comfort**  
**Environmental compatibility**

Increasing demands and the introduction of more complex electronics systems reduce the development cycles in the automotive industry. New developments in electronics and mechanics must satisfy increasingly flexible requirements on test facilities.

This also requires constantly modified and adopted requirement profiles in test and design – both for component and complete-vehicle testing.



Accoustic chassis dynamometer

**RENK component extend from ...**

- Targeted customer consultation
- Creation of concepts
- Design
- Production and assembly of test systems
- Test stand accessories (e.g., wind jet, etc.)

... through customer commissioning with concluding training/instructions of operating personnel. RENK test stands are of a modular design and optimally balanced for every test purpose.

All this in connection with a state-of-the-art automation system for reproducible tests in the laboratory adapted to customer-specific requirements.



Drive-train test stands



Accoustic chassis dynamometer



4WD climatic chassis dynamometer



Driveshaft test stand

## Test systems for drivetrain components

**RENK supplies ready-to-use test systems for research and development, such as:**

- Vehicle test stands
- Driveshaft test stands
- Transmission test stands
- Drivetrain test stands
- Axle test stands
- Engine test stands
- Flywheel mass brake test stands



Torque converter test stand



All-wheel drive test stand



Flywheel brake test stands



Axle test stands



Forcklift roller test stand

**New RDDS** (RENK Dynamic Data System)

**... customization made easy!**

**Control system for best test results**

Simple customization of the controls and monitoring of each set-value, as well as simultaneous acquisition, storage and display of measured values.

This powerful automation system is made for today to handle most complex tasks in a very easy and innovative way. A high level of flexibility allows best possible adaptation to individual requirements coming from the specimen and test stand itself.





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