

straesser

Automotive testing | A member of ATESTEO Group



ATESTEO

Excellence in drivetrain testing

More performance in vehicle testing!

**ATESTEO
and straesser –
all services in vehicle
testing and road test
from a single source!**

Two market leaders – one goal: maximum performance in vehicle testing and road tests.

Vehicle testing and road tests are indispensable components of the product design process in automotive engineering. After the start of production, efficient test concepts play a significant role in ensuring the quality of the complete vehicle, vehicle systems or components in series. In order to offer maximum performance to automotive manufacturers and suppliers, the No. 1 in Drivetrain Testing and the leading service provider for vehicle tests have joined forces. In the ATESTEO group network, ATESTEO and straesser are now offering all the services in the field of vehicle and road testing under one roof.



“With ATESTEO and straesser, two companies that are leaders on their own are now on the market with high growth rates. Together, we want to use our skills, experiences and achievements and significantly increase frequency as well as performance in the field of road testing. From now on, our customers will receive all the services, from automotive testing and road testing to workshop services for test vehicles, from a single source.”

Wolfgang Schmitz

CEO/Chairman of the Management Board of ATESTEO



“ *ATESTEO is the strong partner with whom we are developing from a driving service provider to the full-service provider in vehicle testing and road testing, and we are expanding further. The ATESTEO portfolio fits seamlessly with the services offered by straesser. For our customers, this means that they now have access to the complete drivetrain test offering of ATESTEO in addition to our services.* **”**

Rolf Strässer

Managing Director of straesser automotive testing



280 employees – 25 million kilometres travelled per year: vehicle testing by straesser.

Under the umbrella of the ATESTEO Group, straesser combines the expertise of 15 years of vehicle testing experience and 25 million kilometres driven per year, which are optimally integrated into the ATESTEO portfolio:

- Pre-production and serial tests
- Vehicle endurance tests
- Vehicle testing seven days a week in three-shift operation
- Road tests on public roads or on the test track
- Workshop service for test vehicles

Short-distance tests

- Functional testing of parts, components or vehicle systems
- Equipping of individual components or assemblies with sensitive measuring technology
- Complete measurement-related instrumentation of the entire vehicle
- Road load data acquisition (rig test cycle development)
- Measurement test drives/ measurement-related equipment
- Functional testing, e.g. switchability, NVH measurements, temperature behaviour
- Cold and hot temperature testing
- Benchmarking

Endurance tests (24/7 operation)

- Long-distance tests in three-shift operation / seven days a week
- High driving capacities (over 280 test drivers)
- Validation in the long-distance testing
- Quality monitoring
- Accompanying of launches of vehicle components, subassemblies or complete vehicles
- Real world endurance tests
- Mileage accumulation

Cold and hot temperature testing

- Cold and hot temperature measurement of climatically relevant phenomena such as cold switchability, cold rattling, clutch behaviour and cooling performance
- Preparation of results for vehicle development
- Test runs on closed test terrain or in public road traffic
- Provision of drivers, mechanics, test cycles and measurement technology

More than 30 years of testing competence: vehicle testing by ATESTEO.

With the entire range of test bench and vehicle testing as well as proprietary high-end measurement technology, ATESTEO offers comprehensive testing and services from a single source. The services offered by ATESTEO fit seamlessly with the straesser portfolio:

- Tests for complete vehicles
- Noise measurements, vibration measurements, determination of fuel consumption, endurance tests to determine durability, and vehicle dynamics tests
- Testing of the complete vehicle on the roller test bench and measuring track
- Equipping of the vehicle with measurement technology – data collection and evaluation

Tests on the roller

- Determination of true driving conditions up to 250 km/h by means of dynamic mass simulation in the test bench room
- Fuel consumption, functional and endurance tests
- 300 kW installed capacity for passenger cars and light lorries/trucks
- Simulation of vehicle weights ranging from 500 to 3,500 kg

Tests at the test track

- PBN measurements in accordance with DIN ISO 362 and ECE-R 51
- Vehicle interior noise analysis and sound engineering
- Analysis of oscillation and vibration behaviour of power units
- Vehicle longitudinal dynamics testing

GSA measurements

- Objectification of the important switchability parameters with a proprietary GSA tool (gear shift analysis)
- Identification of anomalies in switchability

Acoustic measurements on the vehicle

- Carrying out airborne noise measurements inside the passenger compartment
- Airborne and structure-borne noise measurements between the passenger and engine compartment
- Testing of the torsional behaviour of the drivetrain
- Longitudinal dynamic testing on testtrack or acoustic dynamometer

Vehicle acoustic roller

- Determining meaningful values about the drive, brakes, driving resistance, and consumption
- Testing the longitudinal dynamics of the vehicle on a roller test bench
- Exact replica of customer test programs
- Operation of the vehicle also possible via a robot

Road-Load-Data (RLD) Acquisition

- Determination and analysis of the lifespan of the vehicle
- Validation and development of load balances and test cycles
- Load profiles of vehicle components based on actual road load data
- Data collection on defined test tracks or proving grounds
- Equipping the vehicles with measurement technology

Performance & Driveability Benchmarking for AT/DCT/CVT Transmissions

- Equipping of the transmission and complete vehicle with high-quality measurement technology
- Detection and analysis of relevant operating parameters
- Test drives on public roads or on the in-house proving ground or on the roller test bench

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Contact straesser

Take advantage of our comprehensive range in the field of vehicle testing and the many new services offered by the ATESTEO Group!

Your straesser expert Rolf Strässer is available to you at +49 7151 944 239-0 or via email to rolf.straesser@straesser-automotive.de.

We will gladly advise you on all your options. More information can also be found at **www.straesser-automotive.de**

Contact ATESTEO

In the field of vehicle testing, you have full access to the entire test spectrum at ATESTEO!

If you would like to learn more about our offers and the additional services of straesser, please call us! Your ATESTEO expert Georg Kaufhold is available to you at +49 2404 9870-0 or via email to georg.kaufhold@atesteo.com.

We will gladly advise you on all your options. More information can also be found at **www.atesteo.com**

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