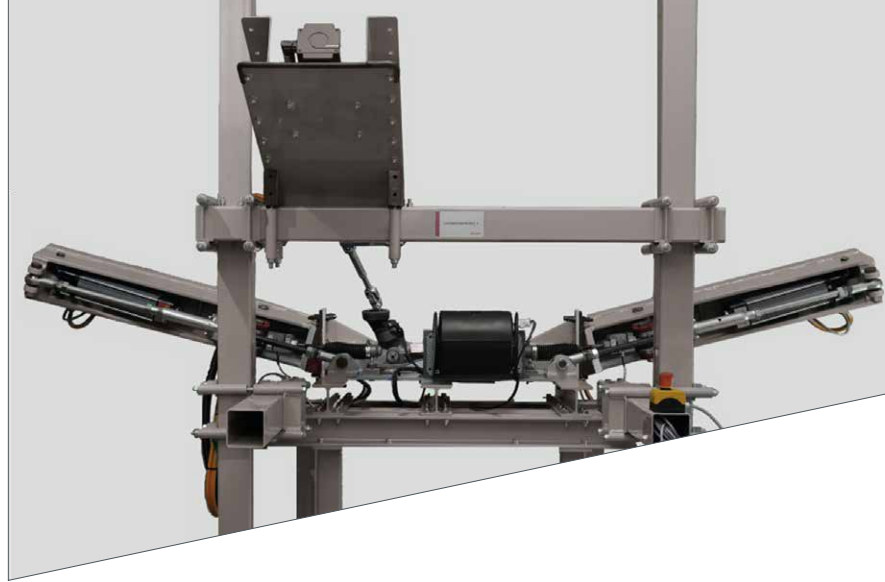


# STEERING SYSTEMS

## COMPONENT- AND LIFETIME DURABILITY TESTING



### YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

The main role of the steering system in the vehicle is the execution of driver demand for the driving direction. The system represents one of main interactions between the driver and the vehicle.

The steering system is one of the most relevant safety systems in the vehicle. For that reason the reliable function must be ensured at any time for various static and dynamic loads acting on the system.

EDAG has developed different test benches for the test conduction on the steering system considering the vehicle's real road load conditions.

Our test equipment allows in addition the simulation of environmental influences reflecting the operational conditions on the different markets.

We are developing bespoke testing solutions to achieve the realistic load profiles on the testing objects covering all customer requirements and specifications.

We are more than pleased to the share with you our long time expertise.



#### Our locations:

Wolfsburg, Fulda, Ingolstadt,  
Böblingen, Munich, Puebla (Mexico)

**EDAG Engineering GmbH**

E-Mail: [testing@edag.com](mailto:testing@edag.com)

#### Overview of our services:

- Testing on bespoke test benches according your specification
- Test benches for static and dynamic tests on the steering system (e.g. parking tests)
- Durability test for EPS steering racks and steering column
- Steering force simulation
- Hydraulic load equipment & control
- Tear down and analysis
- Environmental simulation
- Load cycle coding with divers control circuits
- Automated test conduction
- Metrological monitoring
- CAN data recording and residual bus simulation

#### The proper test bench for all cases

We are conducting the tests for components and lifetime durability in our accredited testing laboratories according to DIN EN ISO/IEC 17025. Besides the specific test benches for steering system we also own modern shaker and servo-hydraulic test fields for durability tests.