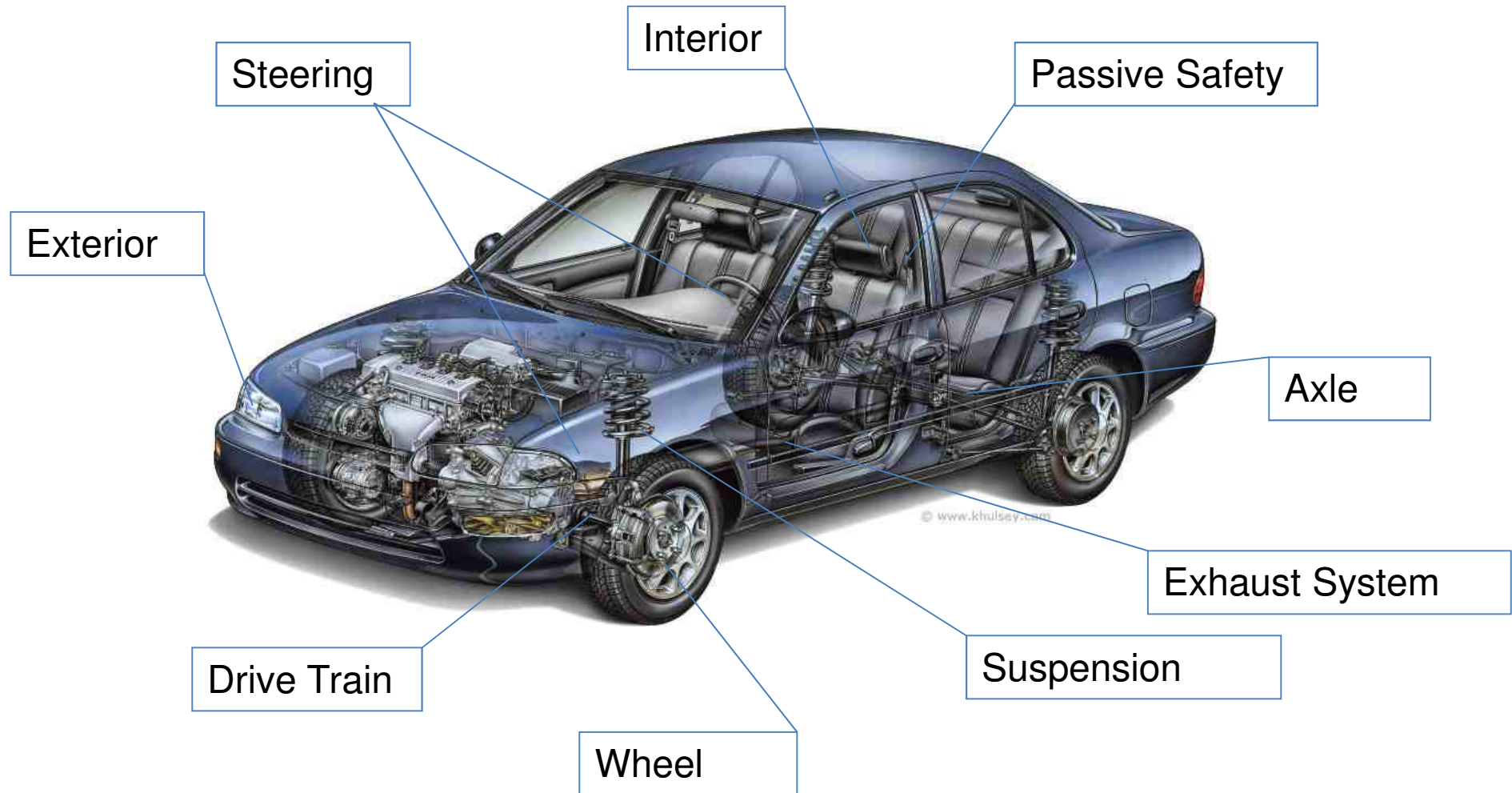


Automotive Testing Solutions

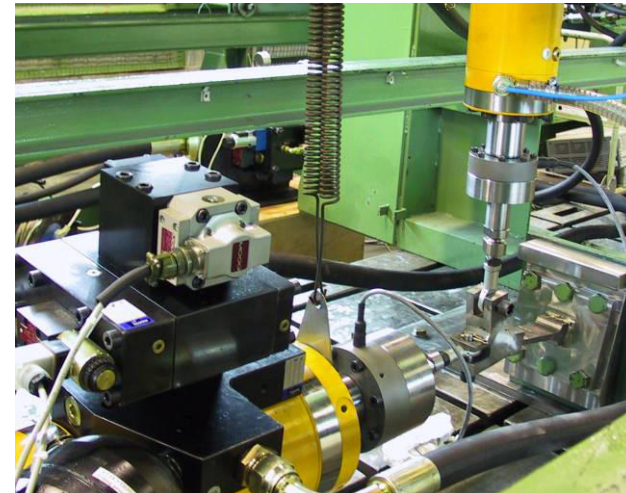
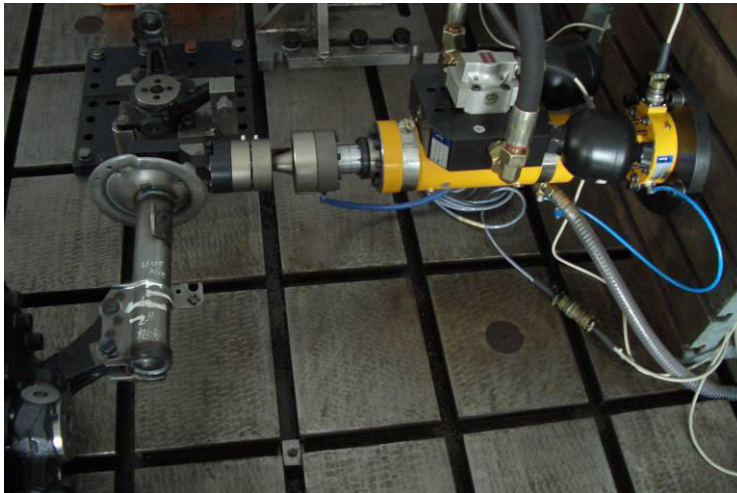
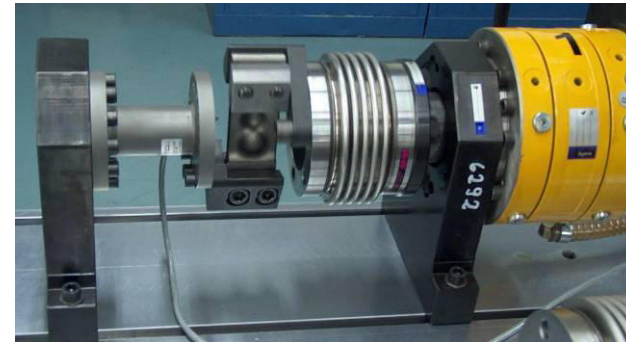


Components

component testing

Multi- and uniaxial component durability tests for:

- Control arm
- Shockabsorber tube
- weldings
- sub frame
- joins
- etc.



Components

Basic elements of component test laboratory

for multi- and uniaxial component tests with cyclic signals or road load data typically flexible set up of cylinders on t-slot tables with linear and rotary actuators, holders, push pull rods, joins etc.

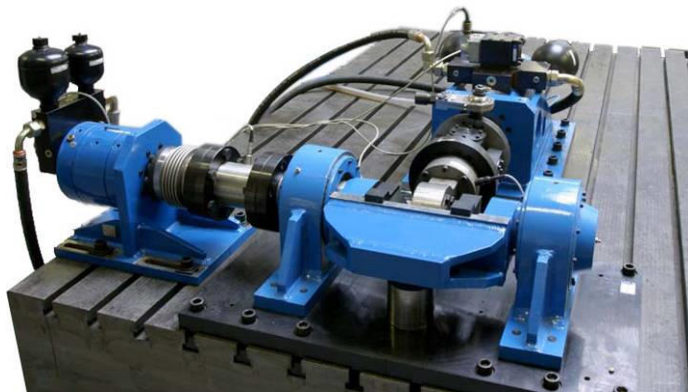


Elastomer Testing

Elastomer testing

Multi- and uniaxial tests with cyclic signals or road load data for axle bushings, engine mounts, damper bushings etc.

- characterization
- durability



Suspension Testing

Shockabsorber testing

for multi- and uniaxial component tests with cyclic signals or road load data

- Shock absorber characterization
- Shock absorber durability
- Shock absorber valves characterization
- Shock absorber bushings and bearings

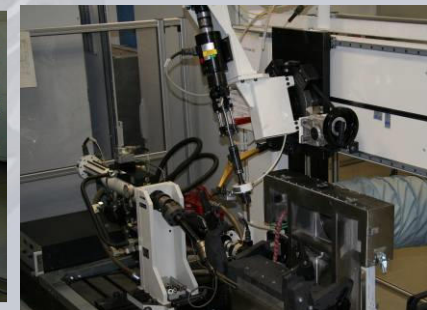
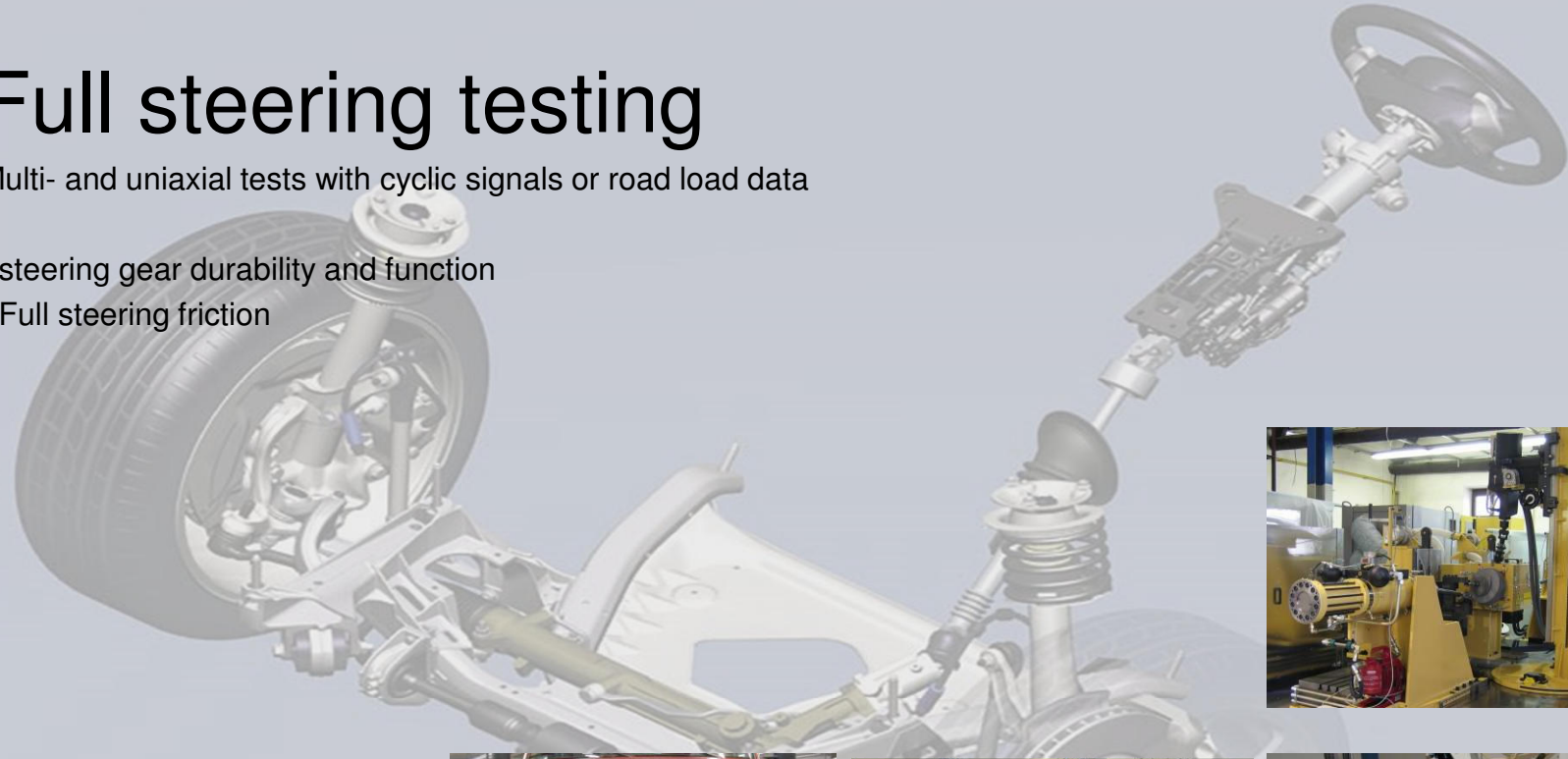


Steering and Steering Components

Full steering testing

Multi- and uniaxial tests with cyclic signals or road load data

- steering gear durability and function
- Full steering friction

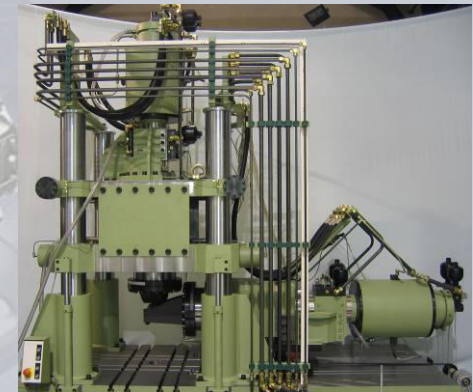
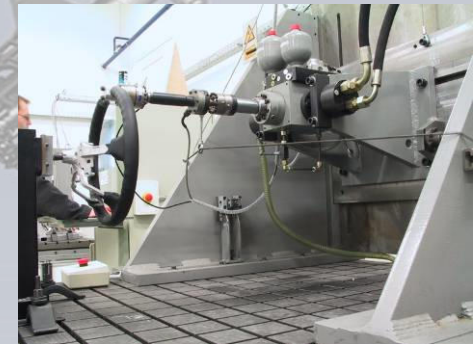


Steering and Steering Components

Steering component testing

Multi- and uniaxial tests with cyclic signals or road load data

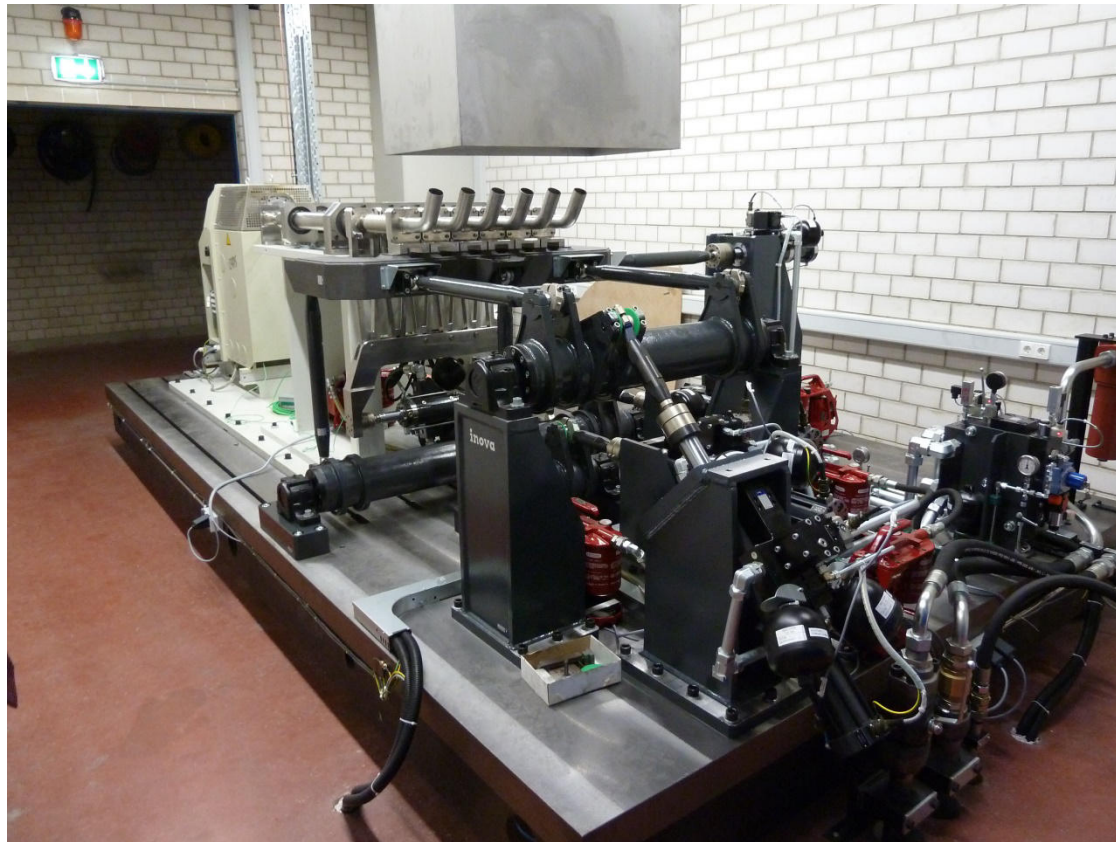
- characterization
- Durability
- Push pull rods
- Steering wheel
- Steering shaft
- Ball Joints



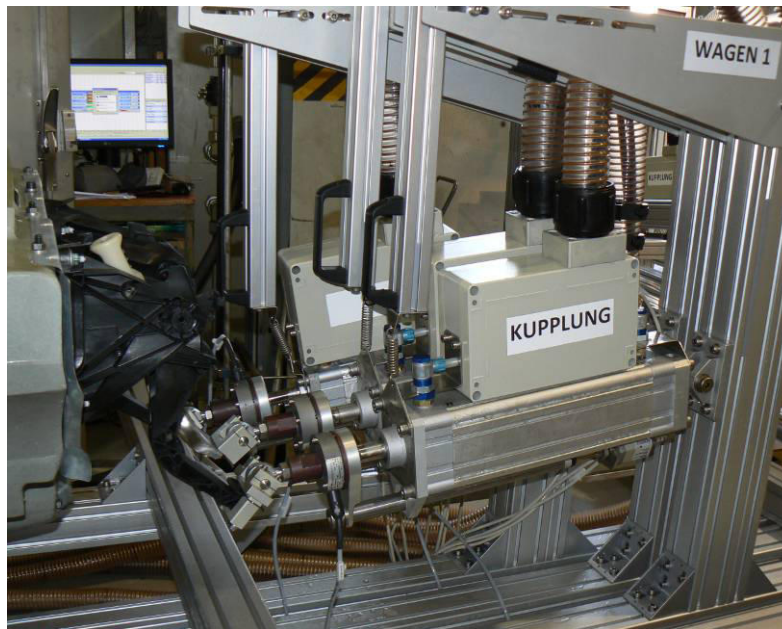
Exhaust testing

Multi- and uniaxial tests with cyclic signals or road load data

- Durability
- exhaust system
- exhaust pipe
- exhaust manifold
- exhaust silencer
- exhaust expansion joint
- etc.

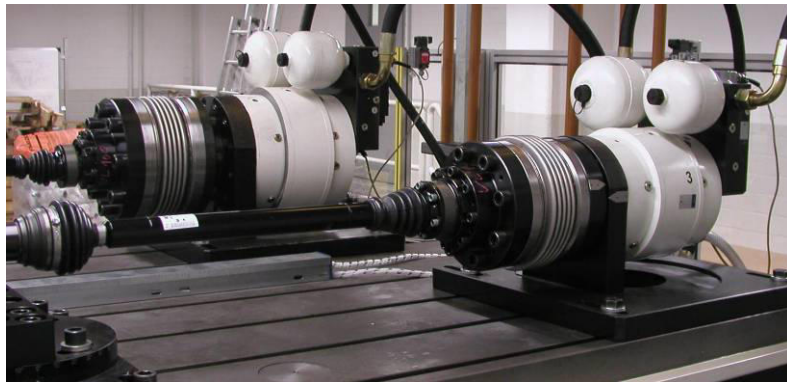
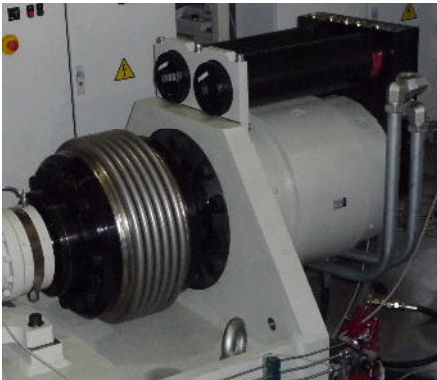


Pedal durability testing



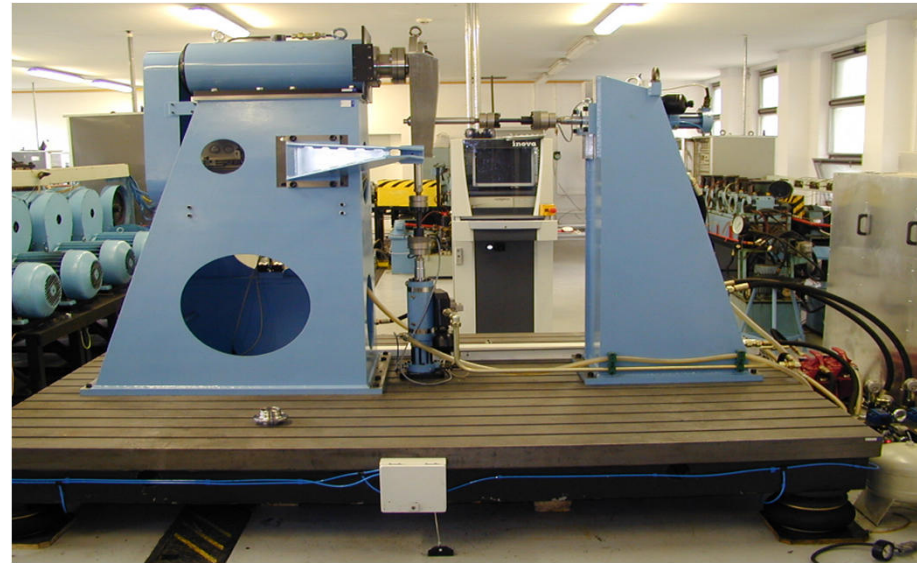
Drive drain

- Half shafts
- Propeller shafts



Wheel

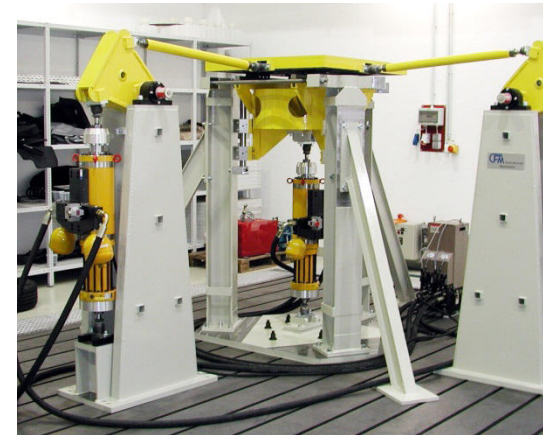
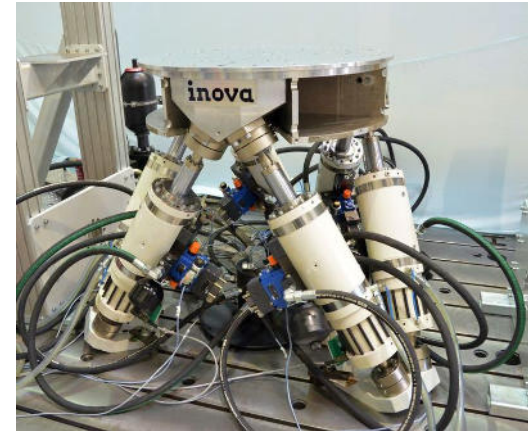
- Wheel Bearing durability testing
- Rim durability Testing



Exterior components vibration test

Multi- and uniaxial tests with cyclic signals or road load data

- Single axis – 1 DOF
- Multi axis – up to 6DOF
- Hexapod - 6 DOF

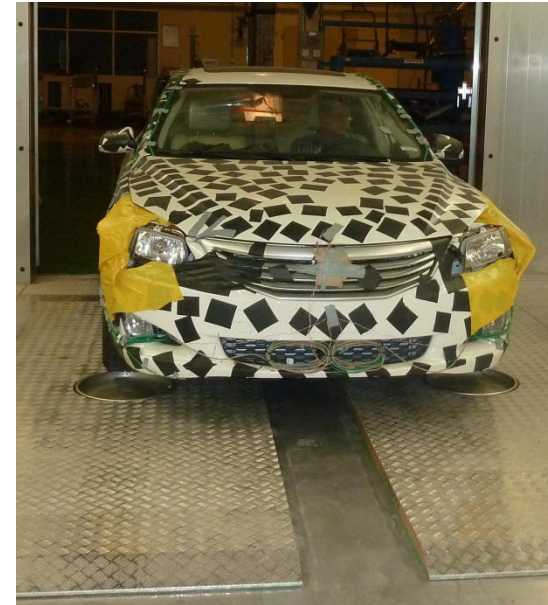


Full Vehicle Testing

4 Poster tire coupled Road

Simulators for:

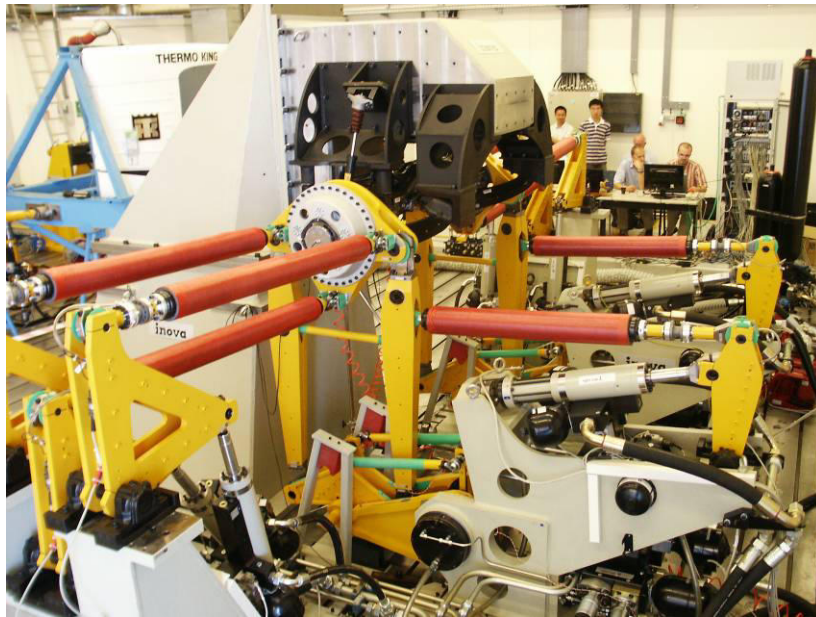
- Structural Durability Testing
- End of line Production Testing
- Buzz, Squeak and Rattle
- Drive comfort testing



Axle and Axle Components

Full 6DOF Axle Testing

- Axle and axle component durability testing



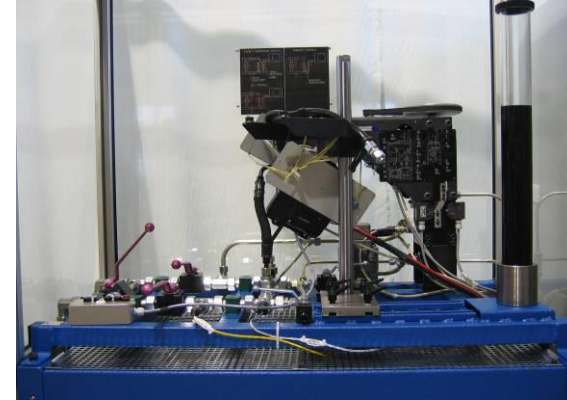
some specials



towing eye tester



Hat rack and glove box tester



Steering gear servo pump tester



Servohydraulic Testing Systems



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