

International – networked –  
experienced

KBA



Benannter TD  
KBA-P 00020-19

## Technical Service for Homologation

Your partner for testing and inspecting  
of vehicles and vehicle parts

[www.DLG.org](http://www.DLG.org)



# Homologation tests and inspections

## International expertise and service

Our network of experts supports you in all matters of homologation:

- Labs with bespoke facilities provide the specific technology for each area homologation
- Test engineers who draw on an international network and experience
- State-of-the-art test rigs and measuring technology
- Expert customer support throughout the entire homologation process:
  - Initial assessment of the manufacturer by the approval authority.  
This initial assessment is a requirement to enter the homologation process
  - Preparation of all documents the manufacturer has to supply (information folder)
  - Testing and inspection vehicles and vehicle parts to
    - EU Regulations and Directives
    - UN/ECE regulations
    - German road traffic Regulations

### Test services for whole vehicles, systems, components and separate technical units

We test the following equipment to the harmonised European Regulation 167/2013:

- Agricultural or forestry tractors (class T)
- Agricultural trailers (class R)
- Interchangeable towed machinery (class S)

Systems, components and separate technical units:

- Two-, three- or four-wheeled vehicles (class L)
- Motor vehicles and trailers (class M, N, O)

In addition to carrying out compliance testing according harmonised EU Regulations we support you in seeking type-approval for self-propelled machines in compliance with German Regulations, for example national type-approvals and approvals of individual vehicles.

Testing site: DLG TestService GmbH, Groß-Umstadt  
[www.DLG.org/homologation](http://www.DLG.org/homologation)





## Tests of mechanical couplings

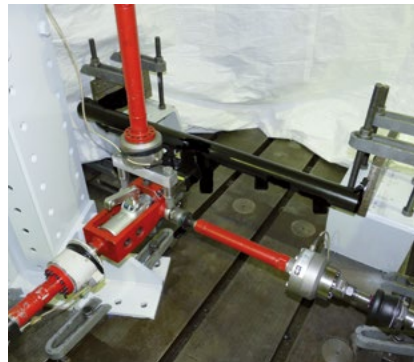
The homologation services for mechanical couplings cover the following vehicle components:

- Coupling balls
- Coupling heads
- Clevis type drawbar couplings
- Drawbar eyes
- Drawbars
- Draw beams
- Fifth wheel couplings
- Fifth wheel coupling pins

Our partner lab Brunel Car Synergies is a system service provider who offers their customers a comprehensive package of consultation, development and testing. Their test lab is accredited to DIN EN ISO/IEC 17025 and has as many as about 100 test rigs.

Testing lab: Brunel Car Synergies GmbH, Dortmund, [www.brunel.de/bcs](http://www.brunel.de/bcs)

**Brunel**  
Car Synergies



## Tests in the area of passive safety

Passive safety test services are provided for the following components:

- Seat belt anchorages and ISOFIX anchorages
- Seat firmness and anchorages
- Head rests
- Wheel chair anchorages and wheel chair user restraint systems
- Children restraint systems
- Falling object protection structures (FOPS)
- Roll-over protection structures (ROPS)
- Seat vibrations
- Truck cabs
- Front and rear underrun protection
- Lateral protection devices
- Rescue vehicle equipment
- Dynamic cargo restraint testing
- Crash tests with roof boxes/racks

Our passive safety tests take place at the DLG Test Center in Groß-Umstadt and at our partner lab of Walter & Weißgerber Engineers in Trier. For more than twenty years, this lab has been conducting a wide range of static and dynamic tests as well as sled tests both to customer requirements and to homologation standards.

Testing lab: Ingenieurbüro Walter & Weißgerber, Trier, [www.iww-trier.de](http://www.iww-trier.de)

**IWW** - trier.de



## Tests of lighting and light-signalling devices

We offer homologation services for the following vehicle components:

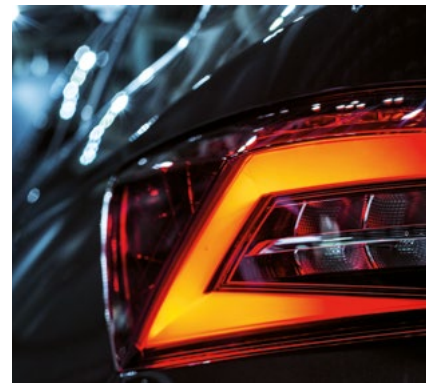
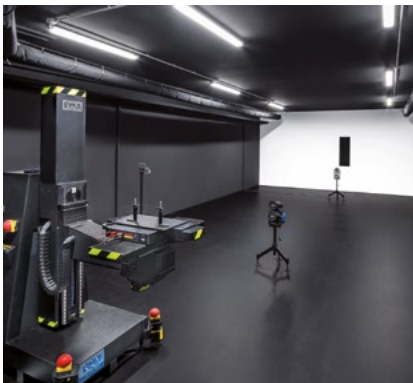
- Head lamps (high beam and low beam)
- Front fog lamps
- Light sources and bulbs
- Stop lamps
- Warning panels
- Reflector strips
- Rear fog lamps
- End-outline-marker, position, rear, stop and side marker lamps
- Daytime running lamps
- Direction indicators
- Reverse lamps
- Parking lamps
- License plate lamps
- Beacons
- Bicycle lamps
- Camera monitor systems
- Lamps of imported vehicles

Our partner PHOTOMETRIK GmbH is a leading provider of test services for light systems. The test lab uses state-of-the-art test rigs that measure photo- and colorimetric characteristics. These tests include the LMT GO-H 1660 Goniophoto meter which is able to conduct all relevant tests on automotive lighting systems.

Testing lab: PHOTOMETRIK GmbH, Eppertshausen, [www.photometrik.de](http://www.photometrik.de)



PHOTOMETRIK



## Electromagnetic Compatibility – EMC

As part of the homologation requirements, we test the radiated emissions and radiated immunity of:

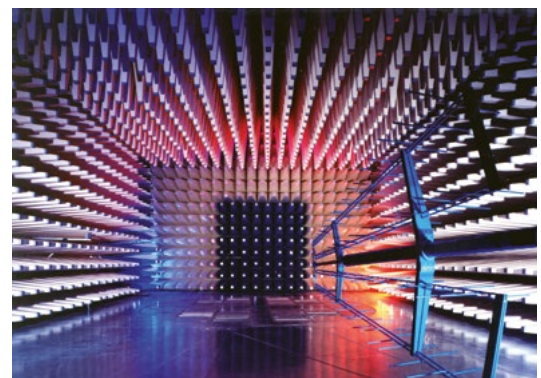
- Passenger cars, trucks, buses
- Agricultural and forestry tractors and self-propelled machines
- Motorcycles and light three and four-wheeled vehicles

and, in the case of electronic subassemblies (ESAs), also the conducted immunity in accordance with the requirements of the applicable regulations.

- UN ECE Regulation 10 in the current series of amendments
- EU Regulation 2015/208 Annex XV
- EU Regulation 44/2014 Annex VII

As part of the type testing, we prepare the technical report after the successfully completed test, check the required manufacturer documents (description folder) and, if desired, also handle the complete type-approval procedure with the type-approval authority.

Test laboratory:  
EMC Test NRW GmbH  
Dortmund  
[www.emc-test.de](http://www.emc-test.de)



# The DLG network of homologation experts

The DLG Test Center Technology and Farm Inputs is one of the internationally leading testing organisations for tractors, machines & utility vehicles. Our international network of experts draws on a global experience and makes us your ideal partner in all homologation issues. Our network of testing labs complies with ISO 17025 standards and is a Technical Service that is designated by the Federal Motor Transport Authority for homologation of vehicles and vehicle parts.

As we “know the ropes” of homologation approval procedures, we can offer you a full service package that takes your machine/vehicle as a whole or parts of it through the entire homologation process. The tests are carried out in bespoke labs at four different DLG testing sites or at external partner or manufacturer labs.



## Expertise in testing and issuing certifications

DLG has been testing and issuing certifications for agricultural machinery, farm inputs and consumables for over 130 years.

Apart from carrying out tests to DLG standards, the DLG Test Center also offers extensive testing services to general standards and regulations, as part of quality assessment programmes and to customer-specific R&D requirements.

Appointed by the Federal Motor Transport Authority as a Technical Service, DLG tests complete vehicles, systems, components and separate technical units for agricultural or forestry tractors as well as trailers and trailed implements, but also motorbikes and lightweight three-wheel and four-wheel vehicles, private cars, busses, trucks and their trailers. As such it ranks among the leading international test service providers.

All testing services are carried out by the DLG TestService which is based in Groß-Umstadt near Frankfurt which may be assisted by partner agencies that carry out the tests on behalf of the DLG Test Center Technology and Farm Inputs.

## Homologation services

### Tests

- Whole vehicles
- Lighting and light-signalling devices
- Mechanical couplings
- Passive safety
- Electromagnetic Compatibility

### Contact:

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