

# AIRBAG

## TESTING LABORATORY



## YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

A large number of different safety systems are installed in modern motor vehicles of all vehicle classes, which are intended to prevent an accident (active systems) or to reduce the consequences of an accident (injuries) (passive systems). In addition to seat belts, airbags are one of the most important safety features in a vehicle.

Various airbags are integrated in the vehicle, for example in the steering wheel, the instrument panel, the pillar trim or in the roof lining, to provide optimum protection for the occupants in the event of a collision. Depending on the accident situation, the normally invisible airbags deploy within a few milliseconds.

### It depends on the right "deployment"!

We make sure that the airbags open correctly and fulfill their protective function. We have the right test equipment for almost everything.

In our testing laboratory, which is accredited according to DIN EN ISO/IEC 17025, we carry out the tests in different climate chambers in the vehicle environment or in structural simulation



The experiments are recorded with the most modern high-speed cameras and can be viewed from a wide variety of angles, even inside the climatic chamber.

### Our services:

- Carrying out airbag tests in various development phases on driver, front passenger, knee, curtain and side airbags at temperatures of -40° to +90° Celsius
- Development tests with prototypes
- Release attempts with new and parts aged by environmental simulation
- Series monitoring (quality control)
- Documentation deliverables with very detailed information of the complete testing process (graphics, photos, videos, etc.)
- Analysis and evaluation of test results
- Development and production of prototypes for the airbag environment (trim parts)
- Simultaneous tests with up to six HS cameras
- Parallel development using CAE simulation

### Contact:

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