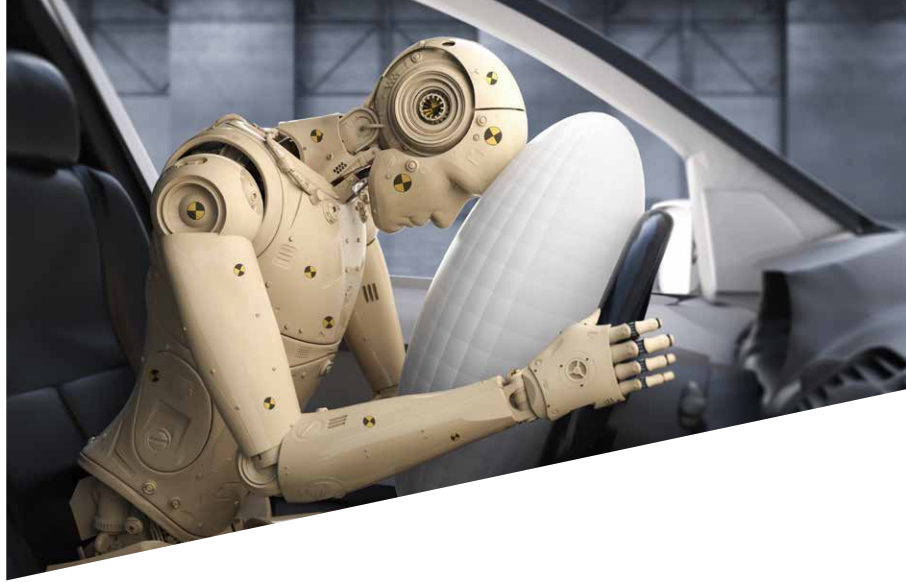


AIRBAG

VEHICLE SAFETY TESTING



YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

Nowadays a large number of different safety systems are installed in modern vehicles of all classes. The systems are designed to prevent accidents (active systems) or reduce the impact of accidents (passive systems). As well as seat belts, airbags belong to the most important safety features of a vehicle.

Many types of different airbags need to be integrated in a vehicle for the optimal protection of the occupants during a collision.

Airbags are located in the steering wheel, the instrument panel, behind the pillar covers or inside the headliner. Depending on accident case, the usually invisible airbags ignite within a few milliseconds.

What matters now is the right “unfolding”! We make sure that the airbags are opening correctly and fulfil their protective function.



EDAG Engineering GmbH
E-Mail: testing@edag.com

Overview of our services

- Conduction of airbag bench tests in various development phases for driver-, co-driver-, knee, curtain and side airbags at temperatures from -40°C to +90°C
 - Development tests with prototypes
 - Release tests with “new” and “environmentally aged” parts
 - Series monitoring (quality control)
 - After Sales (e.g. cost reduction, further system development)
- Test result analysis
- Development and production for airbag environment (e.g. covers)
- Simultaneous testing with up to six high-speed cameras
- Parallel development using CAE-simulation

The proper test bench for all cases

We are conducting the tests inside various climatic chambers within vehicle environment or in structural replicas (e.g. seats and covers).

Tests will be recorded by most modern high-speed cameras, placed at various positions – optionally inside the climatic chamber.

Our test laboratories:

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