

# Passive safety

## From partial test to certification



Whether you require an internal development test or a code-compliant approval test, we will test your innovative products quickly and uncomplicated.

- ✓ **COMPLETE VEHICLE CRASH TEST**
- ✓ **SLED TEST**
- ✓ **COMPONENT TEST**
- ✓ **ASSESSMENT**
- ✓ **SPECIAL DYNAMIC TEST**
- ✓ **PRODUCT CERTIFICATION**



Frontal collision against a rigid barrier

### COMPLETE VEHICLE CRASH TEST

At our crash facilities, we can offer you standard crash tests as well as consumer protection crash tests and real accident reconstructions with two moving vehicles. Crash tests can be used to investigate vehicles or vehicle restraint systems such as crash barriers, impact absorbers and motor racing track barriers.



Aviation sled test

### SLED TEST

Sled tests are an important tool for the cost-effective and reproducible simulation of dynamic loads for approval, certification and in product development. A whole range of applications for sled tests are specified for the various homologation or certification processes.

### YOUR BENEFITS

The increasing safety demands on modern mobility are leading to rapid developments and important innovations.

#### Homologation tests

As an accredited test centre according to ISO/ICE 17025 we are able to perform standard tests for:

- Vehicles
- Aircrafts and helicopters
- Railways
- Defence
- Racing cars and motor racing-tracks
- Road restraint systems
- Rockfall protection systems

#### Latest test rigs

Our standards are top-level technical knowledge, professionalism and reliability.

#### Customised tests

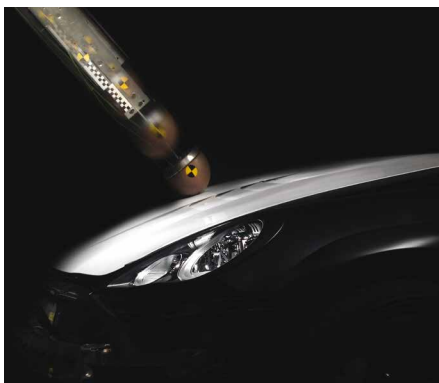
During the implementation of your task you will work hand in hand with our experienced team.

#### Confidentiality

We guarantee absolute confidentiality in relation to projects, designs, processes and prototypes.

#### DTC - passive safety

High reliability, competence, flexibility and efficiency.



Head impactor shortly before impact

### COMPONENT TEST

Detached from the overall system, we test the function resistance and energy absorption capacity of partial structures using impactors, throwing objects, tension or compression tests, both dynamic and quasi-static.



Quasi-static set belt anchor test



Rockfall protection barrier

### SPECIAL DYNAMIC TEST

For the testing of rockfall protection structures, general material testing or a simulated mine explosion you have come to the right place.



Mine-protected vehicle



Assessment passenger protection for individual vehicle

### ASSESSMENT

As a recognised FEDRO (Federal Roads Office) test centre, we will examine the passive safety of your vehicle and issue a confirmation for seatbelt and seat modification, occupant protection or aerodynamic attachments for Swiss road use approval. Specific safety assessments can also be carried out for this purpose.

### PRODUCT CERTIFICATION

As a notified body according to ISO/IEC 17065, we carry out conformity assessments for road restraint systems, rockfall protection systems and construction machines and also inspections for the certification and CE marking of products.



Road restraint systems



**Dynamic Test Center AG**  
CH-2537 Vauffelin / Biel  
www.dtc-ag.ch  
info@dtc-ag.ch  
Telefon +41 (0)32 321 66 00

