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MARKET ACHIEVEMENTS IN THE FIELD OF PASSIVE SAFETY

In modern automobile marketing passive safety is of a central importance. To improve in this field, our engineers and technicians support your product on the way to a technical mature solution. That means optimising the components without diminishing safety aspects (lighter, better, cost efficient).

We master the dynamic of advanced tests and we know today's demands of shortened product-development-times.

THEREFORE WE DEVELOPED A SPECIFIC DTC OFFER FOR

VEHICLE PRODUCERS

VEHICLE MODIFIATORS

INSURANCE COMPANIES

LAW COURTS

CRASH-BARRIER MAKERS

WAR MATERIAL INDUSTRY

**SUPPLIERS SUBCONTRACTORS
OF THE VEHICLE AND AIRPLANE**

INDUSTRY

MEDIAS

YOUR ADVANTAGE

Homologation Tests

Standard tests according to ECE, EU, FMVSS, FAR, IEEE etc.

Custom-made tests

Following the special demands of your task, you collaborate hand in hand with our experienced project-team.

Most modern test benches

Technical top-level, professionalism and reliability: Our standards.

**DTC:
YOUR INNOVATIVE
POWER-TEAM
WITH TESTS
AS QUICK AS A FLASH.**

THE DTC CRASH-INSTALLATIONS



On two independent crash installations all international standard configurations are practicable. Crash tracks with different length of 110 m and 130 m, speeds up to 150 km/h, vehicle mass up to 13000 kg (max. 700 kJ), a film pit for complete documentation from all imaginable perspectives.

Our specialities are:

Car chase tests and expertise on a basis of the most recent scientific findings.

Different acceleration and speed for both test vehicles, whereas both vehicles can be stopped.

DYNAMIC TEST CENTER



SLEDGE INSTALLATIONS

For the tests and the development of safety components, crash tests may be simulated efficiently and effectively. The load capacity of up to 1500 kg at a speed up to 70 km/h leaves nothing to desire.

Maximum structure dimensions:
5 m x 4 m x 8 m (H x W x L)
Maximum retardation (deceleration) 70g
Speed tolerance $\pm 0,5$ km/h

Rigidity and energy-absorbing tests:
The components can be mounted either on the sledge or on the crash-block.

Dynamic sledge-tests:
We can simulate with our hydro brake almost all possible deceleration pulses. With our test facilities we are also able to make collision between special objects like for example bicycles, motorbikes, skiers and Inline-Skaters.

The impact of the upper part of the body on vehicle components is simulated with a test weight of up to 36 kg. Our dynamic tests include steering wheels, steering, airbags and backrests up to a speed of 26 km/h. For tests rich in energy you may use the small sledge installation.

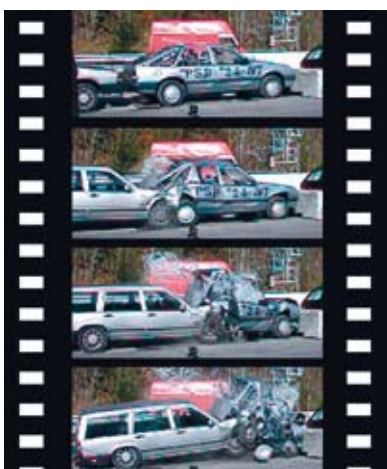


IMPACT TEST-BENCH TORSO-CATAPULT



SEAT AND SEATBELT-CHORAGE TESTS

Fixing points of seats and safety belts, can be tested with quasistatic tension tests (Example after ECE R 14).



SEMINARS AND TRAINING

We organise custom-made seminars and courses about vehicle safety, including a possible live crash-test.

DTC Prototype safety:
We guarantee absolute security in measurers of projects, constructions, procedures and prototypes.



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