



Dynamic Test Center PASSIVE SAFETY



Crash tests on three available installations

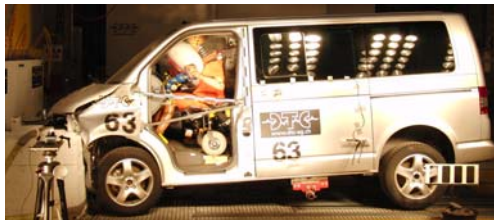
Car to Car

With different velocity and collision angle



Barrier impact

Different usual barriers like FMVSS, ODB, AMS are available



Pole impact

Frontal or side crash



Rollover

Corkscrew rollover with inboard cameras



Motorcycle crash test

Any conceivable style of bike can exactly be accelerated till 120 km/h



Fans, pedestrians, rollerblader or skier

With the in-dummy measurement equipment our dummies are able to measure in extreme situations



Heavy Trucks

On the new, world wide unique gravitation acceleration ramp heavy trucks till 60 t can reach a velocity of 90 km/h



DYNAMIC TEST CENTER



Sled tests on four sled test facilities

Impact shock test

With electronic components till 250 km/h, over 5000 g, 10 ms till 150 ms pulse duration



Impact sled

For testing of energy absorbing capacity of crash structures



Dropping sled

Body block tests or seat tests by dropping of load test blocks



Sled installation

for simulations of full scale crashes with a hydraulic brake for



Real vehicle crash pulses



Aviation pulses for

horizontal or downward seat testing



Simulation of mine explosions,

over 500 g peak, below 10 ms pulse duration



Pedestrian safety

Crash test with pedestrian



Head and leg form impact test



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