

When **official homologations** of your vehicles approach, our teams of specialists perform different examinations and tests and supply justifications about operational and traffic safety.

While **developing vehicles of all kind**, you will be supported by our skilled engineers and technicians with market and safety oriented tests, to examine properties, performance and prestations.

As an **official office of homologation** we test brake effectiveness and noise development according to national and international (ECE) standards.

THE SPECIFIC DTC-OFFER FOR

VEHICLE AND AEROPLANE INDUSTRY

VEHICLE IMPORTING FIRMS

SUBCONTRACTORS OF THE VEHICLE INDUSTRY

MODIFIATORS AND TUNERS OF VEHICLES

BICYCLE MANUFACTURERS

PRODUCERS OF VEHICLES OF ALL KIND, LIKE UTILITY AND WORKING VEHICLES ETC.

WAR MATERIAL INDUSTRY

MOTOR SPORTS

YOUR ADVANTAGE:

Most modern infrastructure

The vicinity to the University of applied sciences guarantees the transfer of sophisticated scientific knowledge as well as advanced methods and procedures.

Maximum flexibility

Individual and scientific client's requests can be integrated in no time in the tests which makes us extremely adaptable.

Complete documentation

The customer gets a complete and global documentation of all the tests, examinations and expertises.

DTC: ACTIVE TESTERS AND SUPPORTERS FOR VEHICLE DEVELOPMENTS.



TESTS ABOUT OPERATING RIGIDITY

To test car bodies, element structures and components we can perform single or multi car chase tests. From the bicycle to the city-bus: we test all imaginable structures for their stiffness and fatigue strength. We have great experience in experimental stress analysis with wire strain gages (WSG) in operation.

Our infrastructure

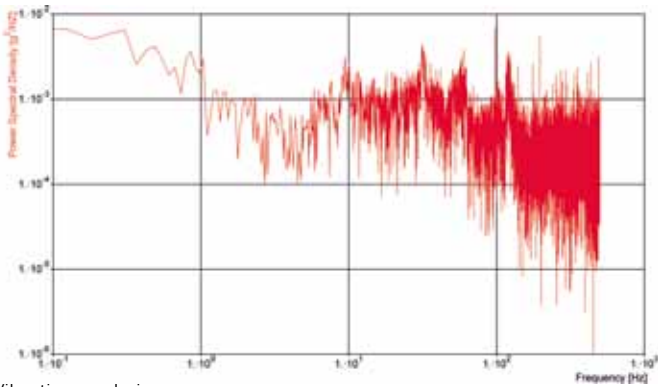
Rigidity lab with ground setting attachment (6,5 x10m). 40 kN fatigue strength test bench, 16 kN / 63 kN. Test cylinder, multicomponent power-measure sensors, multichannel WSG-Amplifiers for lab use, 16 channel WSG-Amplifiers for mobile use.



Dynamics of vehicle movement



Mass inertia measurements



Vibration analysis



Noise measurement

VEHICLE MOVEMENT DYNAMIC TESTS

We test the drive dynamic properties of road vehicles according to international standards.

For an impartial judgement of the vehicle properties we use the most modern measuring devices and we hire well-chosen test pilots.

SYSTEM IDENTIFICATION

In the development process of vehicles we must constantly improve noise- and vibration properties.

We provide the means to back you up in the advanced development of products or the solution of problems.

We have the newest and most modern laboratory equipment; a multitude of measuring devices and transducers at our disposal.

Our test bench to determine the centre of gravity and mass inertia of complete vehicles up to 3'500 kg is unique.

HOMOLOGATION TESTS

In order to get an official approval for your products, we perform the measurements of noise and brake effectiveness according to accepted standards.

Our test reports serve as a basis for international approved ECE authorizations.

MEASURING DEVICES

Vehicle movement dynamics

Gyrostatic stabilizing measuring platforms, measuring steering wheel, wheel revolution sensors, speed sensors and optical sensors to record the inclination level and swim-angle.

Infrastructure (System identification)

Sound-level – third (Terz) – analyser, performance-level measuring device, 2 channel FFT analyser, inertia test bench, stiffness test bench for car bodies.

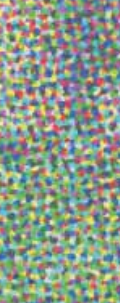
Equipment (Homologation)

Sound measuring devices, sensors to determine the brake effect (microwave principle and GPS), diesel fumes measuring device.



Dynamic Test Center AG
CH-2537 Vauffelin / Biel

Homepage www.dtc-ag.ch
mail info@dtc-ag.ch
phone +41 (0)32 321 66 00
fax +41 (0)32 321 66 01



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