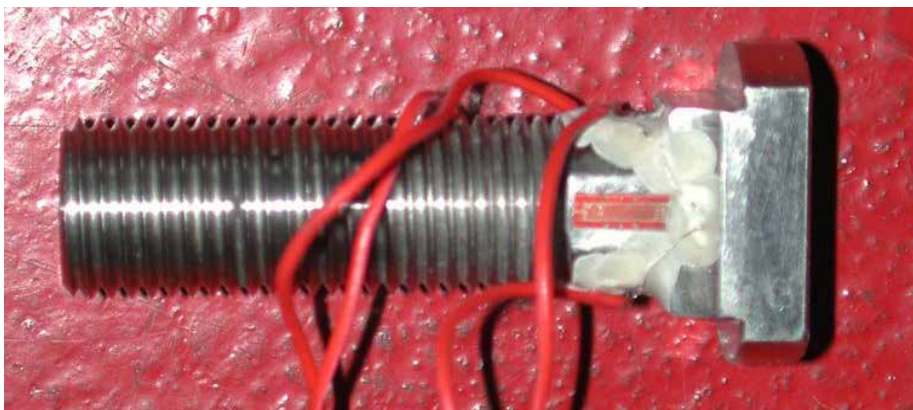


Aircraft Components

Our tests will take you off

The DTC can provide you with decisive support during development investigations or during the official approval tests (FOCA, FAA, EASA, etc.) of your products.

- ✓ **SPECIFIC TESTS AIRCRAFT INDUSTRY**
- ✓ **LIFE CYCLE STUDIES**
- ✓ **STATIC TENSION TESTS**
- ✓ **VIBRATION TESTING**
- ✓ **ROBOT**



Force measurement in the attachment point

SPECIFIC TESTS AIRCRAFT INDUSTRY

- static tension tests (forward, sideward, upward, downward, etc.)
- vibration testing by use of shaker
- life cycle studies with servo-hydraulic test cylinders
- customized measuring tasks (e.g. stress analysis, special force measurements in connection points, follow-up tests, etc.)
- Robot application

YOUR BENEFITS

Our strengths

With the DTC you have a competent test partner who can offer you the whole test spectrum with great experience.

Your advantage

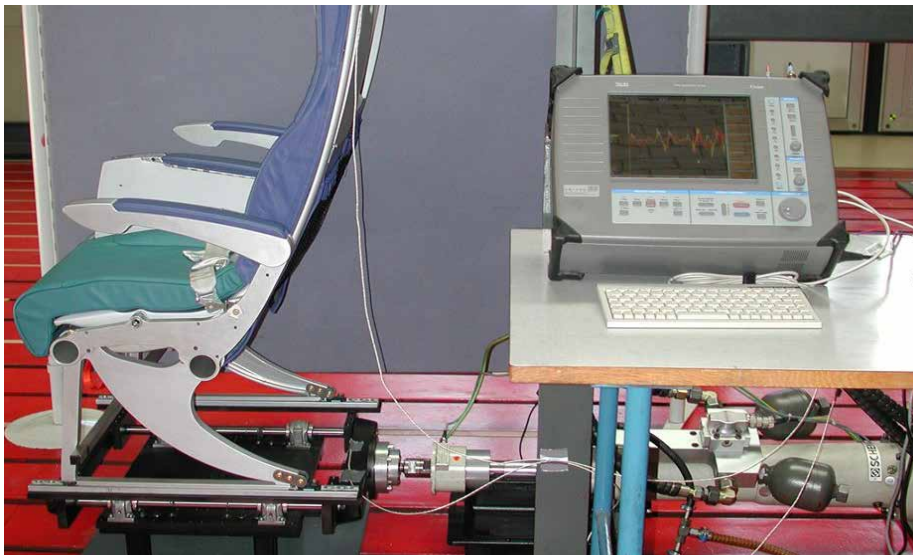
We can offer you flexible examination dates and comprehensive test reports in various languages at competitive prices.

The DTC AG

The independent test center as contact for static and dynamic tests. Since 2001 we are certified by FOCA.

All from one source

- Calculation and simulation
LS Dyna
- Lifetime testing
- Dynamic sled testing



Long term test with servo-hydraulic cylinder



Tension and compression tests

LIFE CYCLE TESTING

We can perform a load collective on your components during flight operations and then tested on the laboratory test bench of a damage-equivalent valid load.

Final analyses (surface crack analysis) cover any possible damage to the surface.



Dynamic component test

ROBOT

To repeat with always the same precision exceeds human capabilities, which is why a robot is used. This robot will not get tired when used for you, does not need breaks and is perfectly suited for tests around the clock. An uncomplicated changeover to new requirements allows maximum flexibility.



Shaker with measuring device

VIBRATION TESTING

For the determination of the natural frequencies and for the introduction of power spectra of different acceleration levels we have a modern shaker facility.

With our measuring equipment, we are able to record the excitation and response signals at different measuring points uniaxially or multiaxially.

STATIC TENSION TESTS

By means of a lamping floor and clamping wall, the tests in our laboratory can be set up in a modular way. The available hydraulic system allows to carry out tests in several load paths at different levels simultaneously and to record them with up to 16 measuring channels. With a 3D-measuring system any deformations are recorded both before and after the test.



Vibration tests in a climate chamber



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