



Our team is ready for you ...

... but will meet, on the basis of its specialized knowledge and expertise, any demand for standardization in the field of environment-simulation tests. We would appreciate to consult you personally. For information in advance see

www.aucoteam.de/prueflabor

ANTWORT

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AUCOTEAM
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Environmental testing in the accredited testlab



AUCOTEAM
 UNTERNEHMENSGRUPPE

Quality scrutinized

Services to the advantage of your business

Before a technical product can be admitted to the market, it has to pass numerous quality tests. This concerns medical products as well as components for the automotive industry, for traffic and transportation technologies, for energy equipment, telecommunications and the aircraft and spacecraft industries. To measure, test and optimize products successfully, both specialists' expertise and special technical equipment are needed.

Our laboratory is co-operating with a stable world-wide customer base. We constantly take orders from more than 250 domestic and international firms, ranging from small enterprises to big multinational companies. We offer a broad range of environment-simulation tests, realized on a 1.000 square meters area. Our long-standing customers appreciate, beside its technical expertise, the laboratory's flexibility and reliability.

We are audited by:

- German Lloyd
- LGA Landesgewerbe-anstalt Bayern
- Lloyd 's Register of Shipping
- Physikalisch-technische Bundesanstalt (PTB)
- TÜV Rheinland Group



We test according to:

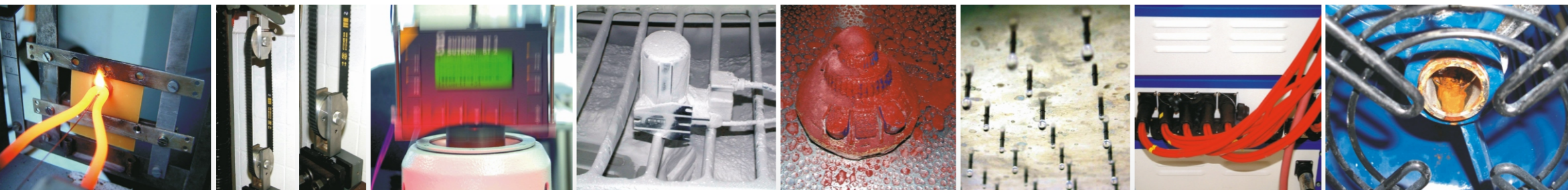
- DIN EN / IEC 60068
- IEC 60529 and DIN 40050-9
- DIN 50017 and DIN 40046
- Railway standards such as DIN EN 50155 and IEC 61373
- Guidelines of the German Lloyd, Lloyd's Register of Shipping, and of Det Norske Veritas
- MIL standards, RTCA
- Automotive standards by VW, BMW; further specifications and product norms

Profound intense testing

We measure, test and optimize for your business' success

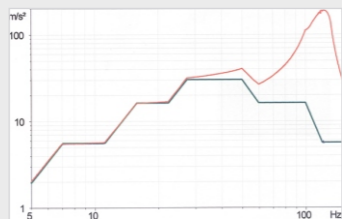
Our supply in overview

Climate - Vibrations - Shocking - Tensile - Pressure - Corrosion - Chemical resistance - Degrees of protection - EMC - CE marking and much more



The AUCOTEAM Testlab is offering

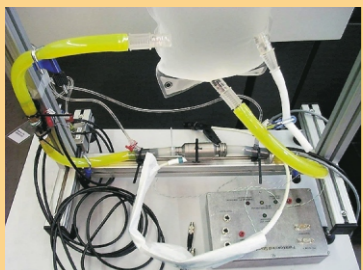
- Expert opinions
- Consulting and training
- Solving of problems in quality
- Testing according to recognized standards
- Tests of reliability
- Certificates of approved quality



Measuring protocol: vibrations

Left ventricle assist device INCOR® by Berlin Heart AG

The pumping system, CE-certified by 2003, but having been applied successfully in clinical practice, is scrutinized and tested in AUCOTEAM'S testlab under defined climatical and mechanic-dynamical demands as well as with respect to requirements stated by the German Law on Medical Products.



Our customers operate in these business fields:

- Automotive industry
- Railway equipment
- Energy equipment
- Housing and facility management equipment
- Information technology
- Industrial control technique
- Aircraft and spacecraft industry
- Medical equipment
- Traffic and transportation technology
- Telecommunications
- Supplier industries

Climatical tests

- Cold (up to -75 °C)
- Dry heat (up to 1.300 °C)
- Change of temperature, fast
- Change of temperature, slow
- Damp heat, constant or cyclical
- Rain and sun test (UV resistance and exposure to rain)
- HAST test and more

Dynamic-mechanical tests

- Vibrations, sinus-oidal or random
- Shock, bump (up to 8.000 m/s²)
- Tilting, overturning, falling
- Constant acceleration
- Pressure and tensile (up to 100 kN)
- Hammer tests, mechanical robustness
- Low air pressure test (Air transportation up to 14.000 m)

Combined tests

- Vibration with temperature and damp heat
- Online tests with statistical analysis
- Run in / Burn in / Endurance tests
- Low air pressure test with cold and heat

Tests of the degree of protection

- Contact protection IP 1X ... IP 4X
- Dust protection IP 5X, IP 6X, IP 6kX
- Water protection IP X1 ... IP X8, X9K

Corrosion tests

- Salt mist
- Corrosive gas
- Condensation-water atmospheres

Electrical tests

- High voltage and insulation resistance
- Protective earth conductor / leakage current contact measurement

Hard-/software applications

- PC- or SPS-aided
- Data acquisition and processing

CE marking

- EMC certificates
- Low voltage guideline

Low air pressure / Excess air pressure

Chemical resistance

Glow wire test

Approvals of electricity meters for PTB

NEW:

Vibrations and climate in combination



Reply

Environmental testing

Phone +4930 42188-438 • Fax +4930 4286257

My interest concerns these tests

- Vibrations
- Tensile/Pressure
- Mist
- Shocking
- CE marking
- Water
- Climate
- Corrosion
- Further

- Please send me information:
 - by fax
 - by mail
 - by email

- Please contact me by phone.

- Please send me an offer:

These parameters ought to be tested:

Type of test object (description, number, size, weight, test in function ...)

The test should in particular focus on these aspects:

The report should comprise the following features:

- one general report
- one specific report per test
- German
- English
- other

Language of certificate

Test to be conducted by

Provision of test object by

Contact data

company

contact person

address

postal code, city

phone / fax

email