

Non-destructive testing (NDT)



Rapid and effective findings - for prevention purposes or in case of damage

Non-destructive materials testing is an extremely effective way for product manufacturers and plant operators to gain a fast and reliable statement regarding product quality or plant condition.

Defects in quality can be recognised early, and weak spots and damage - often leading to unplanned downtimes and gaps in production - can be avoided.

Non-destructive testing helps to maintain product quality and prevent disturbances in plant operation caused by component failure. Our NDT laboratories are accredited to DIN EN ISO/IEC 17025 and are manned by inspectors certified to DIN EN 473 at Levels 2 and 3 (additionally approved in accordance with PED 97/23/EC), who have many years of practical experience and comprehensive know-how, working both on- and off-site.

Our laboratories can be found at many different locations and are equipped with a very wide range of test machines and facilities. We are also able to undertake non-destructive testing for you at manufacturers' and operators' premises at home and abroad.

In addition, we assess and evaluate non-destructive testing methods, and advise and help with the creation of specifications and test instructions. We provide manufacturers and operators (outside the nuclear sector) with supervisory personnel for non-destructive testing, and we are recognised as a "Third Party Organisation" throughout the world.

TÜV NORD - Making our world safer.

Our services

Non-destructive testing with our own test equipment

We perform tests for you according to standards and regulations, your own in-house test specifications or our proposals based on your specific test requirements. The following test methods are available:

- Ultrasonic
- Magnetic particle and liquid penetrant
- Radiographic
- Eddy current
- Wall thickness measurement
- Acoustic emission
- PMI (Positive Material Identification)
- Layer thickness measurement
- Digital radiography / radioscopy
- Endoscopy, videoscopy
- Thermography
- GRP ultrasonic testing
- Various other special test methods

Assessment and evaluation of non-destructive test methods

- Test procedure assessment
- Equipment assessment
- Specification review and modification
- Creation of test instructions and specifications for specific problem areas
- Assessment of in-house specifications

The benefit to you:

- Reliable statements, reports and test results
- Early recognition of quality defects
- Avoidance of customer complaints
- Improved availability of your plant and equipment

Our expertise:

- Many years of experience (accredited and certified)
- Knowledge of many different industrial and product sectors
- Experience with foreign standards and regulations
- Direct access to further areas of specialist knowledge (Engineers from the fields of materials/welding technology, design calculation and strength analysis and also damage analysis)
- Available whenever you need us
- Offices all around the world

[We would like to hear from you.](#)
[Why not contact us.](#)

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