

# Material and Acceptance Testing



Materials are almost always subjected to considerable loads when they are used in their practical applications. Without regular testing, this can lead to undesirable consequences: corrosion, wear, fatigue and other defects have a considerable impact on material characteristics and therefore on component safety. TÜV NORD helps to reduce these risks with its material and acceptance testing.

If manufacturing methods are unsuitable, the quality of the materials is not sufficient or specific requirements are not met, component failure in use is often inevitable. Damage reports often cost more than early assessment of the manufacturer qualification, manufacturing methods and the product.

We perform material acceptance procedures according to all German and international standards and specific customer specifications; the results are documented in an Inspection Certificate 3.2 according to EN 10204. In order to ensure the traceability of semi-finished products, we undertake transfer of identification (re-stamping) and inspect the re-stamping process on site at finishing and trading companies.

Our specialists have many years of experience and wide-ranging expertise in the area of materials technology. By performing independent acceptance inspection and providing proofs of material compliance, we make a long-term contribution to operational safety and plant availability.

**TÜV NORD - Making our world safer.**

TÜV®



## Our services

- Assessment of material, manufacturing and processing specifications
- Materials testing and assessment, certification of materials and semi-finished products (sheets, tubes, forgings, castings from iron/steel and other metals)
- Material inspection according to EN 10204
- Quality control and test plans for optimisation of acceptance proofs and documentation
- Manufacturing controls
- Qualification of manufacturing procedures in all material-related fields

### The benefit to you:

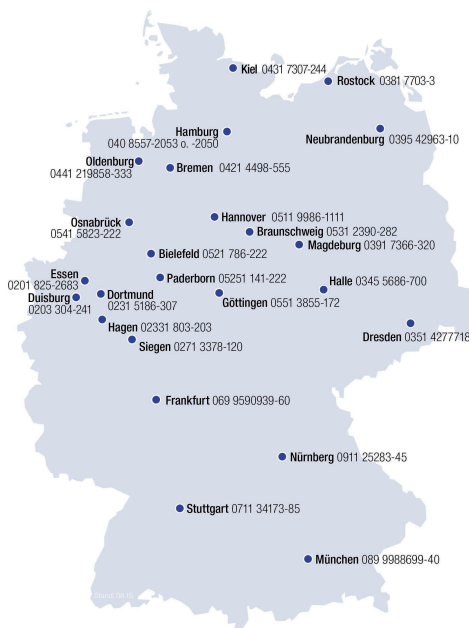
- Reliable material-related statements and test results
- Optimisation of material and operating costs
- Greater reliability for planning, construction and operation
- Improved availability
- Satisfied customers through high-quality products
- Prompt delivery based on independently proven quality
- Less risk of failure

### Our expertise:

- Many years of experience
- Accredited materials laboratories at four locations: Hamburg, Hanover, Leuna and Duisburg
- Experience with German, European and international regulations and standards
- Fast reaction time
- Global network of expert companies

We look forward to sharing our expertise with you.  
Why not contact us.

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