



EVERYTHING UNDER ONE ROOF

We have modern processing technology for collecting and preparing samples for product investigation, failure analyses or first article inspections.

The specialists at our accredited laboratory assess the characteristics of components and materials according to standards and specifications.

The experts at our accredited inspection body evaluate the conformity of products and processes with customer requirements.

The specialists at our certified TrainingCenter pass on our knowledge to our customers.

A one-stop shop for materials technology services!

OUR EXPERTS

M.Sc. Andreas Leitner

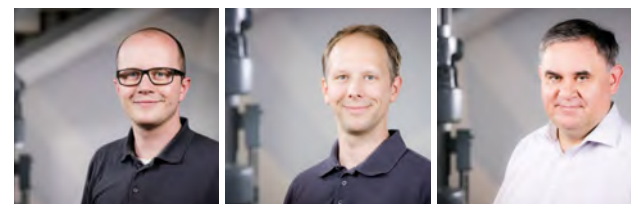
- » Master of Science in Industrial Engineering with a specialisation in materials technology
- » Inspector at our accredited inspection body
- » Supervisor at our accredited testing laboratory
- » Failure analyst

Dr.-Ing. Lorenz Gerke

- » Mechanical engineer in materials technology
- » Head of our accredited inspection body
- » Head of our accredited testing laboratory
- » Publicly appointed and sworn in expert for materials and damage investigations on metallic components

Dr. Ingo Poschmann

- » Dipl.-Phys. (metal and x-ray physics)
- » Level 3 supervisor in non-destructive testing
- » Inspector at our accredited inspection body, supervisor at our accredited testing laboratory
- » Publicly appointed and sworn in expert for destructive and non-destructive materials testing and investigations on metallic components



M.Sc. Andreas Leitner

Dr.-Ing. Lorenz Gerke

Dr. Ingo Poschmann

COMPETENCE IN METAL

We are experts in metals and have extensive skills in materials testing, non-destructive testing (NDT), failure analysis and materials engineering.

We offer our customers the services of an accredited inspection body (ISO/IEC 17020) and an accredited testing laboratory (ISO/IEC 17025). We are a recognised training facility for NDT and a certified education provider (ISO 9001). In the area of non-destructive testing, we work as a competence centre as per DIN 27201-7.

You will find us in the heart of the Ruhr region – an economic motor in Germany for generations and a center for the metal processing industry.

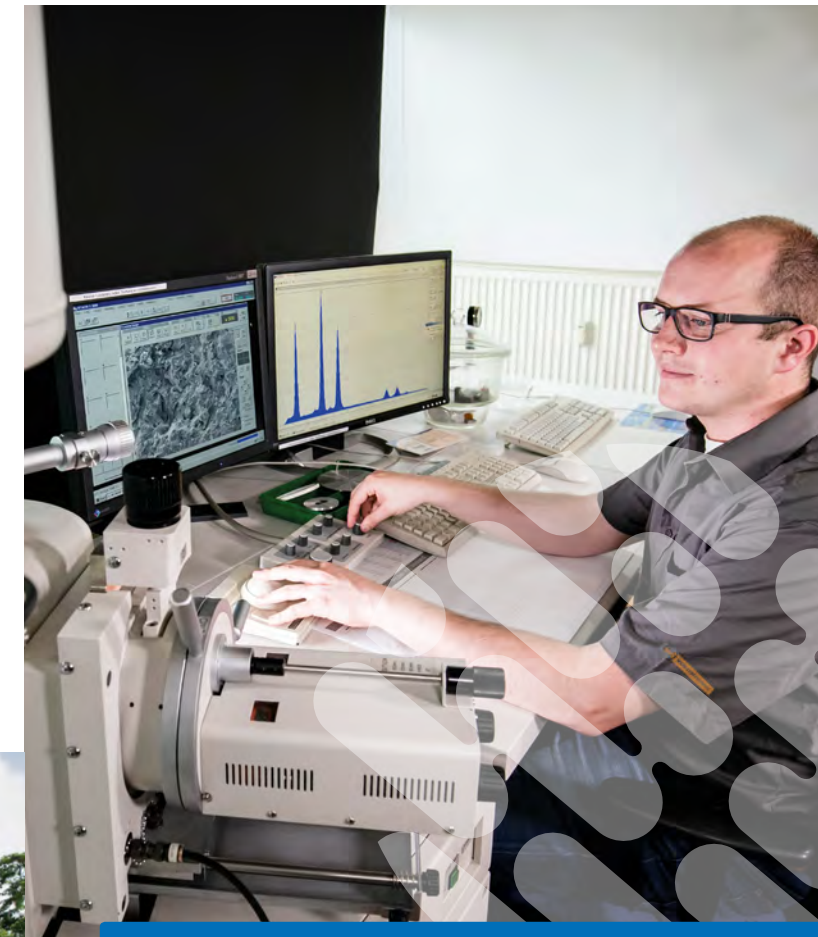


W.S. Werkstoff Service GmbH

Katernberger Str. 107 | 45327 Essen

T. +49 201 316844 - 0 | F. +49 201 316844 - 29

info@werkstoff-service.de | www.werkstoff-service.de





COMPETENT SUPPORT FOR FAILURE ANALYSES

Sophisticated materials, modern constructions and efficient inspections mean that modern components are very reliable.

However, they can still fail. In such cases, it is important to analyse the failures systematically to reduce subsequent costs, prevent further risks and safeguard the reputation on the market.

We support you with our interdisciplinary team of materials engineers, chemists and physicists.



Our services for analysing failures in metallic materials:

- » Fast identification of the causes of failure
- » Concepts for correcting and preventing failures
- » Support with claims settlement
- » Creation of clear expert reports that will stand up in court
- » Optimisation of products and processes based on the results of failure investigation
- » Transfer of knowledge from the failure analysis (training)

Our competences in failure analysis:

- » Accreditation as an inspection body (ISO/IEC 17020) for failure analysis
- » Public appointment and swearing-in by the Chamber of Industry and Commerce as experts for failure analysis
- » Many years of experience providing expert activity for companies, authorities and the courts

Our failure analyses follow proven approaches and technology rules:

- » VDI guideline 3822
- » ASTM 2332 together with ASTM 620, 678, 860, 1020, 1188

CREATING TRUST IN PRODUCTS AND PROCESSES

Being able to trust in the reliability and safety of materials, products and machines is an essential requirement for their success in national and international markets.

This trust is established through competent product and process evaluations performed by an independent conformity assessment body. Our accredited inspection body and testing laboratory can support you here.

Our inspection and conformity assessment services:

- » Conformity assessments for products and processes
- » Global product acceptances on behalf of customers
- » First article inspections and supplier qualifications
- » Supervision of authorisation processes for new markets
- » Optimisation of quality assurance processes
- » Product and process audits

Our competences for the inspection of products, processes and systems:

- » Accreditation as an inspection body (ISO/IEC 17020) for products, machines and systems
- » Competence centre for non-destructive testing (DIN 27201-7)
- » Accreditation as a testing laboratory (ISO/IEC 17025)

