



# Materials Testing Laboratory Hamburg

MAN PrimeServ



## Materials Testing Laboratory Hamburg

**We are a fully accredited, impartial materials testing laboratory within MAN Energy Solutions, PrimeServ Hamburg. Our expertise lies in materials testing and damage analysis, based on our accreditation according to DIN EN ISO/IEC 17025.**

“From the test to the test report, everything supervised by a single person.

Nikolai Gross, Laboratory Manager

### Accreditation

The professional execution of our work is continuously evaluated by the Deutsche Akkreditierungsstelle GmbH (DAkkS).

Our testing laboratory has been accredited in accordance with DIN EN ISO/IEC 17025 since 1993. The accreditation includes:

- Mechanical and technological testing
- Metallography
- Analytical spectrometry
- Non-destructive testing
- Hardness testing



# 1993

We have been accredited  
since 1993

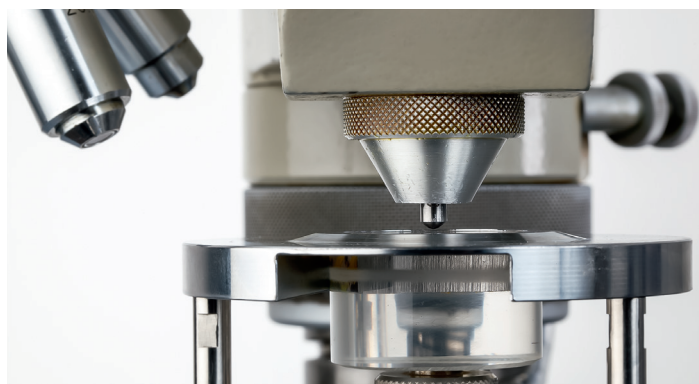
# 600<sub>kN</sub>

Tensile strength tests  
up to 600 kN

# -269°C

Notched bar impact tests  
to -269 °C

## Overview of our services



### Test technique

- Tensile, compression and bending test
- Notched bar impact test
- Spectrometric piece analysis
- Hardness test
- Metallography
- Non-destructive testing
- Welder and procedure qualification



### Damage Analysis

- Determining the cause of cracks
- Fracture surface analysis
- Scanning electron microscopy
- Purity determination
- Structural examination
- Grain size determination
- Replica



### Additional services

- Inspection certificates
- Sample preparation and testing (2-4 working days)
- Sample pickup service
- On-site materials test
- Measurement technology
- Radiographic and corrosion testing (in cooperation)

## MAN Energy Solutions SE

PrimeServ Hamburg  
Werkstoffprüflabor  
Rossweg 6  
D-20457 Hamburg

Phone: +49 40 7409-0  
Fax: +49 40 7409-153  
www.werkstoffprueflabor.de

### Address and local contacts

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#### Oliver Kutschmann

Dipl.-Ing.  
Head of Quality and HSSE,  
Materials testing laboratory

Phone: +49 40 7409-150  
Oliver.Kutschmann@man-es.com

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#### Melanie Chia-Waitszies

Assistant to Head of Quality and  
HSSE, order processing

Phone: +49 40 7409-151  
Melanie.Chia@man-es.com

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#### Nikolai Gross

Dipl.-Ing. (FH)  
Team leader materials testing laboratory,  
NDT supervisor,  
Destructive and non-destructive testing,  
Damage analysis,  
Metallography,  
Scanning electron microscopy

Phone: +49 40 7409-335  
Nikolai.Gross@man-es.com

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#### Johann Surajew

Lead welding supervisor,  
Deputy team leader materials  
testing laboratory,  
Deputy NDT supervisor,  
Welder and procedure qualification,  
Destructive and non-destructive testing

Phone: +49 40 7409-311  
Johann.Surajew@man-es.com

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#### Sönke Pelz

Materials tester,  
Destructive testing,  
Sample workshop,  
Welder and procedure qualification

Phone: +49 40 7409-209  
Soenke.Pelz@man-es.com



Accredited Materials Testing Laboratory according to DIN EN ISO / IEC 17025.  
The accreditation is valid only for the scope listed in the annex of the  
accreditation certificate PL-11214-02.

Annual participation in external proficiency testing

MAN PrimeServ – the service brand of MAN Energy Solutions

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This will depend on the particular characteristics of  
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