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 **TÜVRheinland®**  
Precisely Right.

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## 可靠、快速的无损检测服务 Reliable Flaw Detection. Fast Inspection Times.

High quality non-destructive testing services tailored for all your needs.

[www.tuv.com](http://www.tuv.com)

 **TÜVRheinland®**  
Precisely Right.



与其补救于已然，不如防止于未然  
您的资产同样适用  
Prevention is better than cure.  
Your assets included.

在任何工业领域，确保结构部件和系统的无故障运行是至关重要的。

即使结构和组件有一定的寿命，它们也必须继续有效地履行其功能。瑕疵如果未被发现，便会引起其它组件的损坏，这可能导致生产操作关闭，让您承担巨大损失。通过我们的无损检测（NDT）服务，可以让您受益于不同的测试方法，确定并描述出设备的实际情况，从而能够进行早期的损伤检测。

Ensuring the failure-free operation of structural components and systems is essential within any industrial sector.

Even as components and structures age, they must continue to fulfill their function reliably and cost-effectively. Should defects remain undetected, damage may be caused to the component, possibly leading to operation shutdown with costly loss of production. With the help of our non-destructive testing (NDT) services you can benefit from different testing methods that determine and characterize the actual condition of equipment, thus enabling early damage detection.

### 我们的NDT服务遍布世界各地 Our NDT services for industries around the world

- 石油和天然气
- 化工和石化
- 电力
- 航空
- 工程建设
- 工业制造
- 流程工业
- 交通物流
- 国防
- 制药
- 医疗
- 食品
- Oil and gas
- Chemical and petrochemical
- Power generation
- Aerospace
- Construction
- Manufacturing
- Processing
- Transportation
- Defense
- Medical
- Pharmaceutical
- Food

最先进的设备，最新的检测技术。  
State-of-the-art equipment. Latest inspection technology.

### 我们先进的NDT测试方法包含 Our advanced NDT testing methods include

- 数字化X射线
- 涡流检测(ET)
- 超声波相控阵检测(PA)
- 超声波衍射时差法检测(TOFD)
- 工业CT
- Digital Radiography
- Pulsed Eddy-Current (ET)
- Phased Array (PA)
- Time of Flight Diffraction (TOFD)
- Industrial Computed Tomography (CT)

#### 检验产品 Inspected product

- 铸件
- 锻件
- 焊缝
- 管件
- 其它
- Casting
- Forging
- Welding
- Pipe fitting
- Others

#### 应用标准 Application code

ASTM, ASME, EN Code, ISO Code, GB&JB, etc.

### 我们常规的NDT测试方法包含 Our conventional NDT testing methods include

- 目视检测 (VT)
- 渗透检测 (PT)
- 磁粉检测 (MT)
- 射线检测 (RT)
- 超声波检测 (UT)
- Visual testing (VT)
- Dye penetrant testing (PT)
- Magnetic particle testing (MT)
- Radiographic testing (RT)
- Ultrasonic testing (UT)

#### 检验产品 Inspected product

- 铸件
- 锻件
- 焊缝
- 管件
- 其它
- Casting
- Forging
- Welding
- Pipe fitting
- Others

#### 应用标准 Application code

ASTM, ASME, EN, ISO, API, AWS, JIS, DIN, BSI, GB&JB, etc.



### 无损检测人员培训及资格认证服务 NDT personal training & qualification certification services

根据欧盟标准、美国标准和国际标准（如EN473、SNT-TC-1A、ENISO9712），我们提供无损检测人员培训及资质认证服务。

RT、UT、MT、PT、VT、PAUT及TOFD的一、二、三级EN473、ENISO9712和SNT-TC-1A的一、二级培训及考试。

According to the EU, US and international standards such as EN473, SNT-TC-1A, ENISO9712, we provide NDT training and certification services.

Level 1, 2, 3 EN473, ENISO9712 and Level 1, 2 SNT-TC-1A courses in RT, UT, MT, PT, VT, PAUT and TOFD.

### 无损检测三级专家咨询服务 NDT level 3 expert consulting service

德国莱茵TÜV集团拥有超过20年的先进无损检测技术和特殊应用的经验。我们的检验团队分布在世界各地。我们参与设备研发和检验的解决方案，拥有受认可的先进无损检测培训课程，彰显我们在这一领域的领导地位。

TÜV Rheinland Sonovation has over twenty years of experience with advanced NDT techniques and special applications. Our inspection team is one of the best resourced in the world. Our involvement in equipment development, inspection solutions and accredited advanced NDT training courses demonstrate our commitment and leadership in this segment.

### 致力于优化解决方案 Dedicated to optimized solutions. 广泛、专业和高效 Extensively, expertly and efficiently.

我们的服务将支持您节约成本并减少检测时间。我们充满热情！

德国莱茵TÜV成立于150多年前，是全球领先的独立第三方检验机构，我们确保人类、环境和技术的质量和安。我们的服务涵盖生活的方方面面。在企业可持续政策和负责任使用资源方面，我们以身作则，这就是为什么自2006年以来，我们一直是联合国全球契约组织的成员，我们致力于促进可持续发展和反腐败工作。

We will support you to save costs and minimize inspection times. We are passionate about our services.

Founded more than 150 years ago, TÜV Rheinland is a global leader in independent inspection services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life. When it comes to corporate sustainability policies and the responsible use of resources, we lead by example. That is why, since 2006, we have been a member of the United Nations Global Compact to promote sustainability and combat corruption.