



产品类型 Testing products

- 紧固件（螺栓、螺母、螺钉等）
- 金属板材、棒材、线材、管件等
- 阀门
- 焊板、焊管等
- 其他
- Fasteners (bolt, nut, screw, etc.)
- Metal plate, rod, wire, pipe, etc.
- Valve
- Welding plate, welding pipe, etc.
- Others



依据的测试标准 Testing standards

- 国际标准 ISO
- 中国标准 GB
- 美国标准 ASTM/ASME/AWS
- 英国标准 BSI
- 日本标准 JIS
- 德国标准 DIN
- 欧标 EN
- 澳标 AS

德国莱茵TÜV，您值得信赖的合作伙伴 TÜV Rheinland is your reliable partner

- 我们遍布大中华区的专业团队及服务网络为您提供一站式服务
- 我们的测试报告得到了国际买家的高度认可，助您进一步开拓全球市场
- 通过展现您的产品符合相关安全标准，帮助您降低责任风险
- 我们的高效审核和丰富经验使您获益

- Our network and team of experts in greater China provide you with one-stop services
- Our test reports are well recognised by overseas buyers, providing you with greater global market access
- We can help you to reduce your liability risk by demonstrating your safety standards
- You will benefit from our efficient audits backed by our extensive experience



关于德国莱茵TÜV集团

About TÜV Rheinland Group

总部位于德国科隆的德国莱茵TÜV集团拥有140多年的经验。德国莱茵TÜV集团是国际上领先的技术服务供应商，它在全球65个国家设有500家分支机构，拥有超过17,000名员工，服务涵盖工业服务、交通服务、产品服务、生命科学、培训与咨询服务以及体系认证服务。

TÜV Rheinland Group has more than 140 years of experience and is headquartered in Cologne. TÜV Rheinland Group is a leading group for the provision of technical services worldwide. It has 500 locations in 65 countries with a workforce of over 17,000. The business scope covers Industrial Services, Mobility, Products, Life Care, Training and Consulting, Systems.

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德国莱茵TÜV金属实验室 TÜV Rheinland Metal Materials Testing Lab

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金属材料实验室 Metal materials testing lab

德国莱茵TÜV金属材料实验室是为企业提供金属材料测试的技术机构。作为公正的第三方实验室，我们按照国际标准ISO/IEC 17025及国家标准GB/T 27025的要求建立了符合标准的质量管理体系，并通过了上海市质量技术监督局的计量认证和中国实验室国家认可委员会的认可。我们将致力于满足整个机械行业供应链中对原材料、半成品和成品日益增长的质量要求。

实验室在化学成分分析、金相分析、硬度测试、机械性能测试、腐蚀试验、失效分析、无损探伤等领域拥有世界先进的测试仪器及专业的测试工程师。

TÜV Rheinland metal materials testing lab is a technical third-party organization which provides the metal materials testing services to community. As an impartial third-party laboratory, our metal materials lab was established with a quality management system in strict accordance with the ISO/IEC 17025 international standard and the GB/T 27025 national standard. The holder of metrology accreditation from the shanghai administration of quality and technology supervision, the Lab is also accredited by the china national laboratory accreditation committee. It is dedicated to meeting the increasing quality requirements of the machinery industry supply chain (including the testing of raw materials and semi-finished and finished products).

Equipped by advanced testing equipment and professional staff in the chemical analysis, metallography analysis, hardness test, mechanical properties test, corrosion test, failure analysis and NDT test.

我们的资质 Our qualifications and accreditations



德国莱茵TÜV工业服务 TÜV Rheinland industrial services

德国莱茵TÜV工业服务在全球范围内为您提供技术检验、检测、认证等服务，增强客户对产品的信心。目前，我们主要针对石油天然气、化工、能源与电力机械制造以及港口机械等产业。无论是法定、自愿，或是客户提供的特殊要求，我们的专家能提供相应的一站式解决方案，帮助确保产品和设备质量及性能符合市场相关要求，协助更多中国企业顺利进入国际市场。

The industrial services division of TÜV Rheinland is equipped with the global technology necessary to provide you with inspection, testing and certification services that inspire customers with confidence in your products. Currently, we mainly focus on industries such as oil and gas, chemical, power and utilities, manufacturing and port machinery. Whether your customers impose statutory, voluntary or specific requirements, our experts can offer the complete service portfolio to ensure that your products or equipment are in line with the quality and performance requirements of all applications.



服务范围 Our services

材质分析 Chemical analysis

- 产品类型
 - 铁合金
 - 碳钢/低碳钢
 - 不锈钢
 - 有色金属
 - 超合金
 - 焊接材料
 - 其他
- 测试方法
 - 湿法
 - 固定式直读光谱仪
 - 电感耦合等离子发射光谱仪
 - 能谱仪
 - 碳硫仪
 - 其他 (PMI, XRF)
- Product types
 - Ferro-alloys
 - Carbon/Low alloy steels
 - Stainless steels
 - Non-ferrous metals
 - Super alloys
 - Welding materials
 - Others
- Testing methods
 - Wet chemistry
 - OES
 - ICP-AES
 - EDS
 - C/S Analyzer
 - Others (PMI, XRF)

金相分析 Metallography analysis

- 微观组织分析
- 宏观组织分析
- 非金属夹杂物分析
- 晶粒度
- 镀层厚度
- 断口分析
- 其他
- Microstructure analysis
- Macrostructure analysis
- Determination of content of non-metallic inclusions
- Grain size
- Coating thickness
- Fracture analysis
- Others

机械性能测试 Mechanical testing

- 拉伸测试 (包括高温拉伸)
- 扭力摩擦系数测试
- 压缩测试
- 弯曲测试
- 压扁测试
- 扩口测试
- 卷边测试
- 冲击测试
- 杯突测试
- 剪切测试
- 其他
- Tension test (Including high temperature condition)
- Torque and friction test
- Compression test
- Bending test
- Flattening test
- Flaring test
- Flange test
- Impact test
- Cupping test
- Shear test
- Others

腐蚀试验 Corrosion testing

- 酸性盐雾
- 中性盐雾
- 铜离子加速盐雾
- 晶间腐蚀
- 应力腐蚀
- 黄铜耐脱锌腐蚀性能测试
- 其他
- Acid salt spray
- Neutral salt spray
- Copper accelerated acetic
- Intergranular attack
- Stress corrosion test
- Corrosion of metals and alloys-determination of dezincification resistance of brass
- Others

硬度测试 Hardness testing

- 布氏硬度
- 洛氏硬度
- 维氏硬度
- 显微维氏硬度
- 其他
- Brinell hardness
- Rockwell hardness
- Vickers hardness
- Micro vickers hardness
- Others

无损探伤 NDT testing

- 目检 VT
- 超声波探伤 UT
- 磁粉探伤 MT
- 着色探伤 PT
- 射线探伤 RT

失效分析 Failure analysis

- 产品类型
 - 金属产品和部件
 - 紧固件 (螺栓, 螺丝, 螺母螺帽)
 - 轴
 - 模具
 - 管道
 - 其他金属部件
- Product Types
 - Metallic products and parts
 - Fastener (screw, bolt, stud, nut)
 - Shaft
 - Mould
 - Pipe
 - Others metallic parts

其他 Others

- 镀锌、镀铝锌量测试
- 镀铝量测试
- 铝和铝合金阳极氧化膜封孔质量
- Zinc coating/aluminium-zinc coating mass test
- Aluminum coating mass test
- Seal quality of anodic oxide coatings for aluminium and its alloy