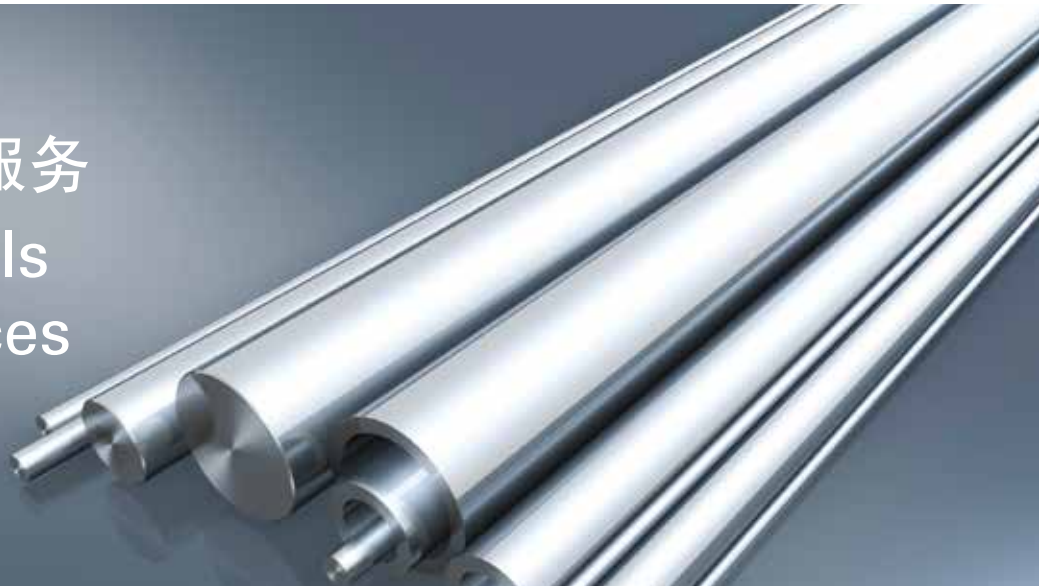


金属材料测试服务

Metal Materials Testing Services



金属材料测试协助保障机械设备安全

在各种机械设备中，90%的材料都是由金属制成，由于金属的选材不当或使用不当会造成材料的过早失效，严重的可能会发生重大事故。作为机械行业中质量控制的一个关键环节，产品使用前对原材料、半成品或成品的检测过程就显得越来越重要。

Metal materials testing helps ensure the safety for machinery equipment

90% of the materials in machinery equipment are made of metal. Inappropriate selection or improper use of metal will cause the premature failure of the material, in serious major, accidents may even occur. As a key part of quality control in machinery industry, it becomes more and more important to test the related raw materials, semi-finished or finished products before being used.

德国莱茵TÜV，您值得信赖的合作伙伴

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。

TÜV Rheinland is your reliable partner

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).

服务的行业

- 电厂
- 化工厂
- 钢结构工业
- 工程机械
- 设备制造
- 汽车零部件制造
- 造船工业
- 造纸厂
- 新兴技术等

Industry scope

- Power plants
- Chemical plants
- Steel structures
- Engineering machinery
- Equipment manufacturing
- Auto component manufacturing
- Shipbuilding industry
- Paper mills
- Emerging technology, etc.

我们的服务

- 材质分析
直读光谱法、X荧光光谱分析仪、氧氮分析仪、碳硫分析仪等
- 机械性能测试
拉伸、弯曲、压缩、剪切、夏比冲击、硬度（洛氏、布氏、维氏、显微维氏）等
- 金相分析
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、断口分析等
- 腐蚀试验
盐雾腐蚀、晶间腐蚀等
- 镀锌量、镀铝锌量测试
- 失效分析
- 无损探伤测试
目检、超声波探伤、磁粉探伤、着色探伤、射线探伤等
- 焊接工艺评定、焊工考试测试

Our services

- Chemical composition analysis
Optical emission spectrometric, X-ray fluorescence spectrometric, Nitrogen oxygen analyzer, Carbon sulfur analyzer, etc.
- Mechanical properties testing
Tensile, bending, compression, shear, Charpy impact, hardness (HR, HB, HV, micro HV), etc.
- Metallography analysis
Microstructure analysis, Macrostructure analysis, Determination of content of nonmetallic components, Grain size, Coating thickness, Fracture analysis, etc.
- Corrosion testing
Salting spay test, intercrystalline corrosion, etc.
- Zinc and alu-zinc coating mass testing
- Failure analysis
- NDT testing
VT, UT, MT, PT, RT, etc.
- WPQ and PQR testing

产品范围

Product scope

主要测试材料 Testing materials

- 碳钢 Carbon steel
- 不锈钢 Stainless steel
- 高速工具钢 High-speed tool steels
- 铸铁 Cast iron
- 纯铜及合金 Pure copper and alloy
- 铝合金 Aluminium alloy
- 钛合金 Titanium alloy
- 锌合金等 Zinc alloy, etc.

主要测试产品 Testing products

- 板材 Plates
- 带材 Strips
- 管材 Pipes
- 阀门 Valves
- 型材 Profile
- 铸件 Castings
- 锻件 Forgings
- 五金件 Hardware
- 紧固件 Fasteners
- 焊接试板等 Welded specimens, etc.

