



宁波金汇精密铸造有限公司

NINGBO JINHUI PRECISION CASTING CO., LTD.

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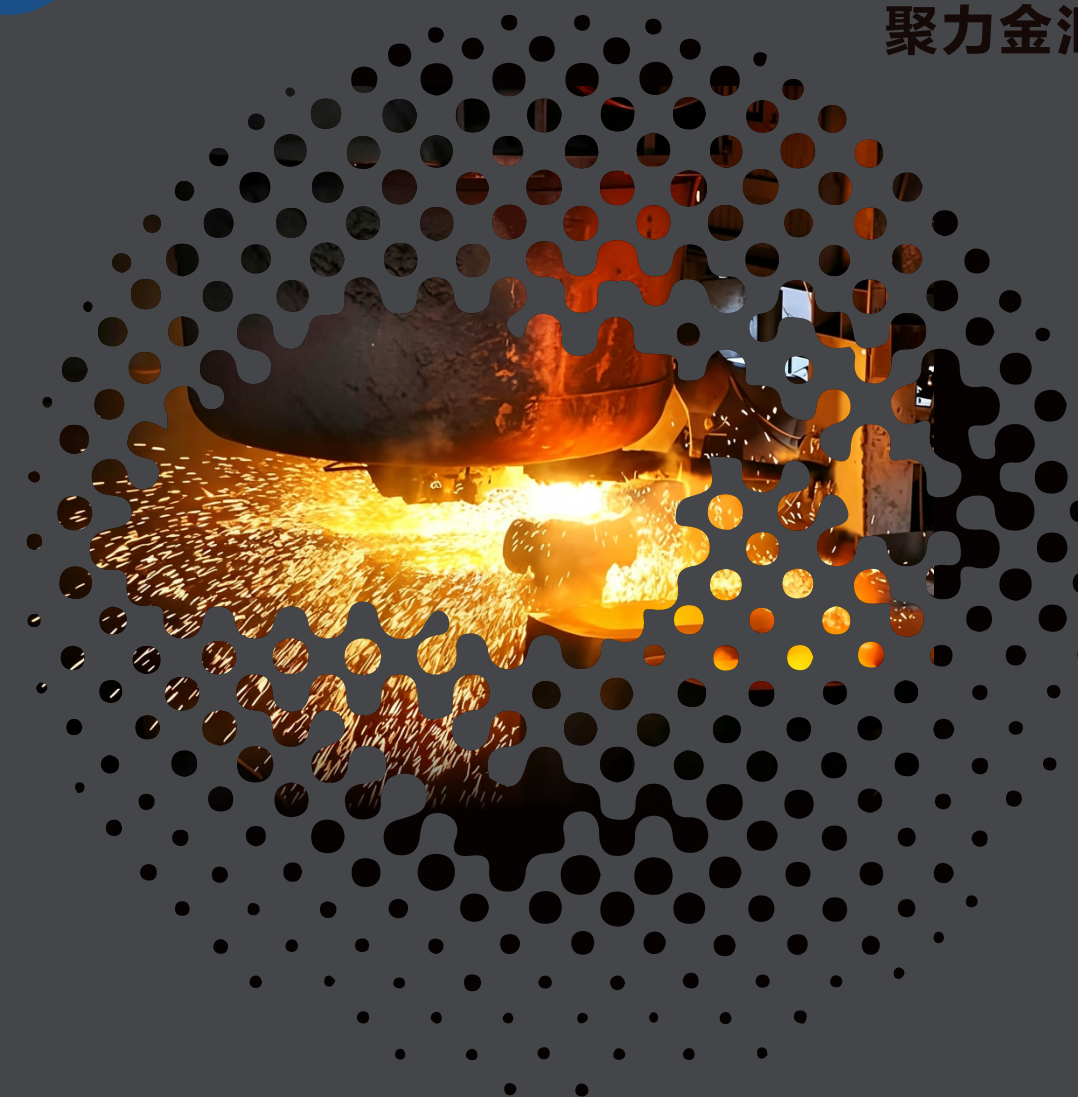
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Unite as Jinhui Strive for Excellence

聚力金汇·追求卓越



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STRIVE FOR EXCELLENCE

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宁波金汇精密铸造有限公司，全资控股宁波铭汇金属科技有限公司，为本土独资高端金属智造企业。公司集熔模精铸、温芯盒组芯铸造、树脂砂铸造、精密锻造、数控精加工于一体，打造多工艺协同的一站式全流程配套制造体系。

企业始创于 2000 年，生产基地坐落于宁波市象山县临港装备产业园，区位优势得天独厚：距北仑港 20 余公里，毗邻甬莞高速（仅 5 公里），至宁波栎社国际机场 50 公里，海陆联运路网四通八达，全球货物输送高效便捷。

深耕高端金属精密制造二十余载，公司斩获多项国家级重磅资质荣誉，先后获评国家高新技术企业、国家级专精特新“小巨人”企业、浙江省高新技术企业研发中心。公司全面通过 IATF16949、ISO9001、ISO14001、ISO45001 国际标准化管理体系认证，同时取得美国 AAR 铁路行业质量认证、欧洲 PED 承压设备专项资质，全球市场准入实力雄厚。

公司可定制生产普碳钢、合金钢、不锈钢等系列精密铸锻件，产品深度赋能轨道交通、工程机械、阀门、建筑机械、石油化工、矿山煤机、船舶配件、汽车零部件等高端装备核心领域。厂区总占地面积 120000m²，设计年产铸锻件产能 45000 吨，规模化交付能力强劲。

公司搭建行业领先的全维度质量验证管控平台，配备理化金相分析、力学性能测试、无损探伤、高精度三维扫描等全套精密检测设备，配套专业铸造工艺模拟系统，构建从工艺开发、过程制造到成品出厂的全流程闭环品控体系，以严苛标准保障每一件产品的稳定可靠。



Ningbo Jinhui Precision Casting Co., Ltd. holds 100% equity in Ningbo Minghui Metal Technology Co., Ltd., making it a local-owned high-end metal intelligent manufacturing enterprise. Integrating investment casting, warm-box core-assembly casting, resin-sand casting, precision forging and CNC finishing, the company has built a one-stop full-process supporting manufacturing system featuring multi-process collaboration.

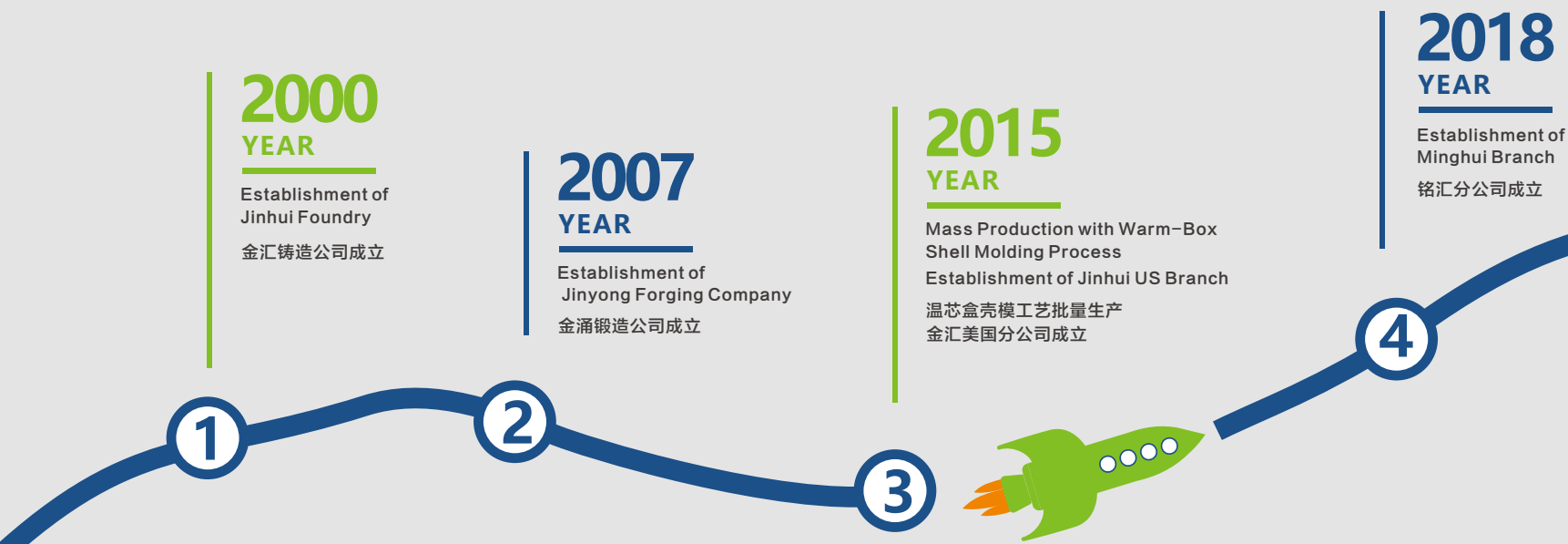
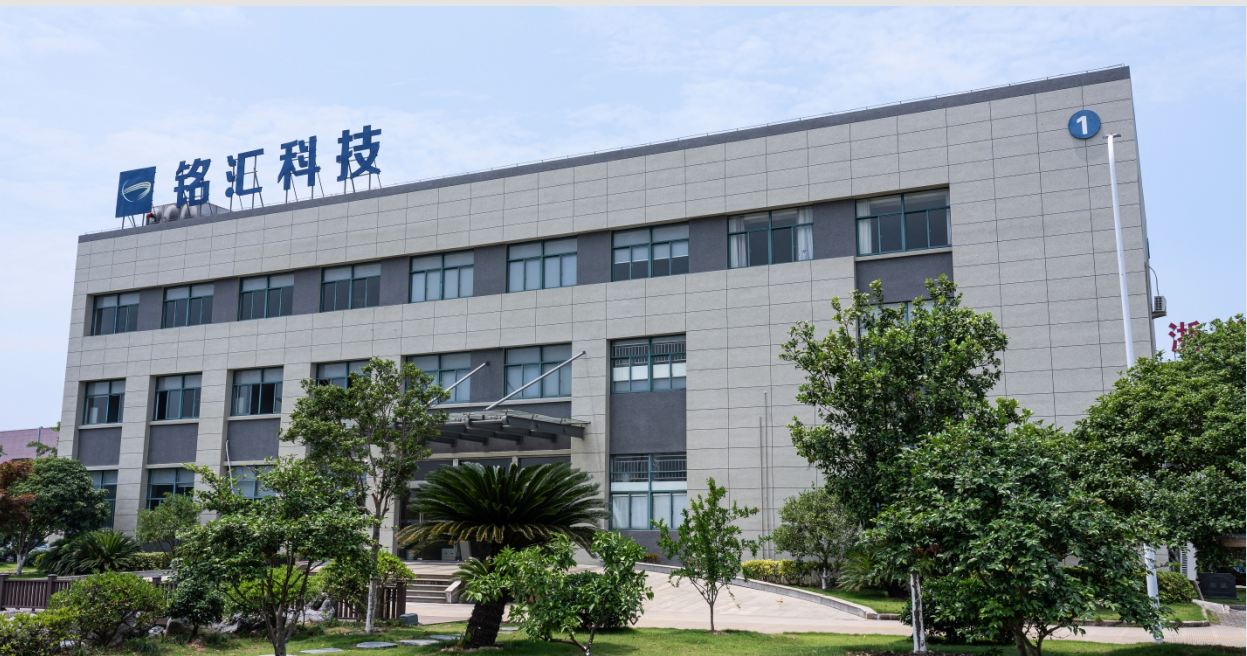
Founded in 2000, our production base is located in Lingang Equipment Industrial Park, Xiangshan County, Ningbo City, enjoying unparalleled geographical and logistical advantages. It is around 20 kilometers away from Beilun Port, merely 5 kilometers from the Yongguan-Dongguan Expressway, and 50 kilometers from Ningbo Lishe International Airport. Boasting a well-connected land-sea combined transportation network, it ensures efficient and convenient global cargo delivery.

With over 20 years of dedication to high-end precision metal manufacturing, the company has obtained numerous prestigious national-level qualifications and honors. We have been certified as a National High-Tech Enterprise, National SRDI “Little Giant” Enterprise, and Zhejiang Provincial High-Tech Enterprise R&D Center. The company has fully passed international management-system certifications including IATF16949, ISO9001, ISO14001 and ISO45001. In addition, we hold AAR railway-industry certification of the United States and European PED certification for pressure-bearing equipment, demonstrating strong competence for global-market access.

Jinhui provides customized production of precision castings and forgings covering carbon steel, alloy steel, stainless steel other material grades. Our products serve core high-end-equipment sectors including railway, construction machinery, valves, building machinery, petrochemical industry, mining machinery, marine spare parts and automotive components. Covering a total site area of 120,000 m², the plant has a designed annual capacity of 45,000 tons for castings and forgings, delivering robust large-batch supply capability.

Jinhui has established an industry-leading comprehensive quality verification and control platform. It is equipped with a full set of precision testing instruments including physical & chemical inspection, metallographic analysis, mechanical property testing, non-destructive testing (NDT) and high-precision 3D scanning, together with a professional casting process simulation system. A closed-loop full-process quality control system has been built covering process development, in-process production and finished product delivery. Stringent standards are adopted to guarantee stable and reliable quality of every single product.

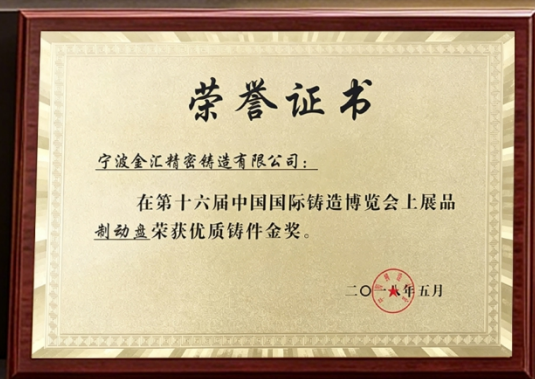




CORPORATE MILESTONES

发展历程





实干立业 荣载资质

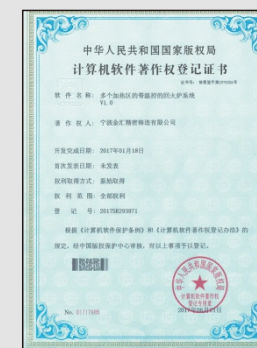
Build enterprise through diligent work, win qualifications with solid achievements.

历经二十余载深耕求索、创新突围，企业斩获多项重磅资质：国家级高新技术企业、国家级专精特新“小巨人”企业、浙江省企业研发中心、宁波市制造业单项冠军。

企业固本强基，持续精进研发创新实力，恪守“专业铸就品质，诚信服务客户”的核心宗旨，匠心打造精工产品，提供周全贴心服务，矢志助力现代工业制造产业提质升级。

With more than two decades of intensive cultivation, persistent exploration and innovative breakthroughs, Jinhui has obtained numerous high-level authoritative qualifications, including: National High-tech Enterprise、National Specialized, Refined, Characteristic and Innovative "Little Giant" Enterprise、Zhejiang Provincial Enterprise R&D Center、Ningbo Municipal Champion Enterprise in Single Manufacturing Segment.

The enterprise consolidates its fundamental strengths and steadily elevates its R&D and innovation capabilities. Upholding the core tenet that "Professionalism shapes quality, integrity serves clients", craft precision products with ingenuity, deliver attentive and comprehensive services, and are committed to driving quality improvement and upgrading of the modern industrial manufacturing sector.



TECHNICAL ADVANTAGES

技术优势

匠心铸品 技术领先

Craftsmanship builds quality; technology leads the industry

公司铸造技术积淀深厚、综合实力强劲，自主研发温芯盒组芯造型工艺并取得国家发明专利。该工艺选用无酚、无甲醛环保树脂，成型砂壳具备高温强度高、退让性佳、溃散性优异等核心优势，可稳定保障铸件表面光洁度与尺寸精度，大幅提升铸件内部品质与整体力学性能。

公司配套多台熔炼电炉、多条全自动造型线及热处理生产线，实现造型、熔炼及热处理全流程自动化管控，为高品质铸件生产筑牢硬件根基。

Boasting profound accumulation in casting technology and strong comprehensive strength, the company has independently developed the Jinhui has accumulated profound expertise in casting technology and possesses robust comprehensive strength, we independently developed warm-box core assembly molding technology with a national invention patent. Using phenol-free and formaldehyde-free environmentally friendly resin, the molded sand shell features high-temperature strength, excellent deformability and collapsibility performance. It stably guarantees castings' surface finish and dimensional precision, greatly improving internal quality and comprehensive mechanical performance.

Equipped with multiple melting electric furnaces, several fully-automatic molding lines and heat-treatment production lines, the company realizes automatic control over the whole process of molding, melting and heat treatment, laying a solid hardware foundation for the production of high-quality castings.



树脂砂造型 Resin sand casting



温芯盒组芯造型 Warm Box Core Assembly Molding Process



熔炼 Melting



热处理 Heat Treatment



PRODUCTION PROCESS

生产工艺

智造量产 实力雄厚

Intelligent Manufacturing for Mass Production, Supported by Solid Strength.

金汇拥有多条锻造生产线和机加工生产线。

Jinhui is equipped with multiple forging production lines as well as machining production lines.



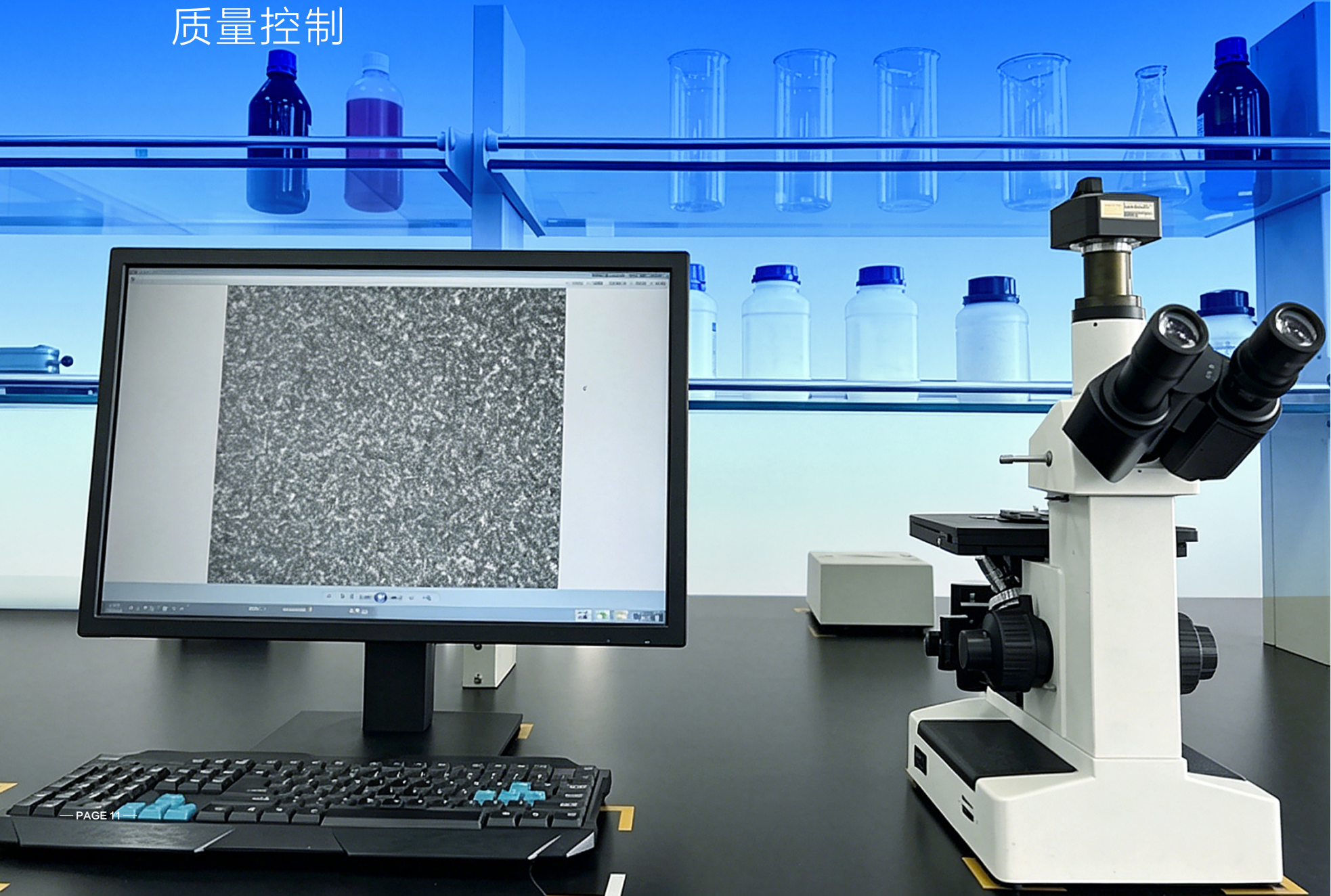
锻造 Forging



机加工 Machining Equipment

QUALITY CONTROL

质量控制



深耕铸业 品稳质优

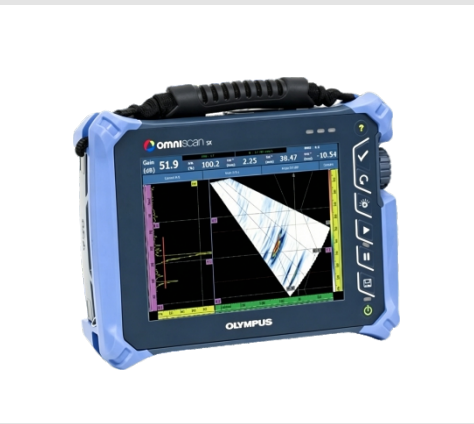
金汇构建标准化全流程质量管控体系，采用磁粉探伤、超声波探伤、射线探伤等全套无损检测（NDT）手段对铸件质量进行有效评估；配置3D扫描、三坐标测量等高精计量设备，全面保障铸件尺寸精度与稳定性；辅以专业金相分析，精准管控铸件微观组织，稳定保障产品综合力学性能。

Deeply Rooted in Foundry Industry, Stable Quality & Superior Performance.

Jinhui has built a standardized full-process quality control system. It adopts a full range of Non-Destructive Testing (NDT) methods, including magnetic particle testing, ultrasonic testing and radiographic testing, to effectively evaluate casting quality. Equipped with high-precision measuring devices such as 3D scanners and CMM measurement, the company fully ensures the dimensional accuracy and stability of castings. Supported by professional metallographic analysis, it precisely controls the microstructure of castings and consistently guarantees the comprehensive mechanical properties of products.



3D扫描仪
3D Scanner



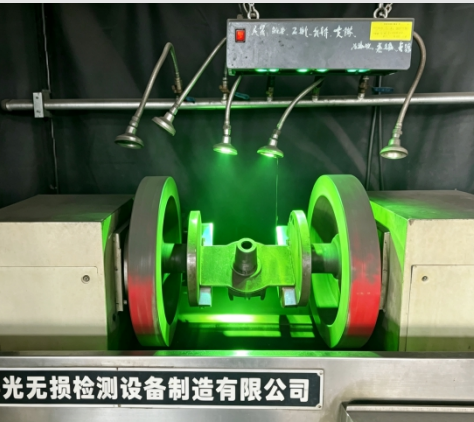
相控阵超声波检测仪
Phased Array Ultrasonic Detector



超声波探伤仪
Ultrasonic Testing Instrument



三坐标测量仪
CMM



磁粉探伤机
Magnetic Particle Testing Machine



TESTING CAPABILITY

检测能力



深耕铸业 品稳质优

质量是企业生存与持续发展的核心根基。公司设立标准化综合质量检测中心，具备原砂、型砂性能检测、机械力学性能试验、金相组织分析、淬透性测试等全套检测能力，全方位把控原材料与成品材质性能。

Deeply Rooted in Foundry Industry, Stable Quality & Superior Performance.

Quality constitutes the core foundation for an enterprise's survival and sustainable development. The company has built a standardized comprehensive quality inspection center, which is fully equipped with complete testing capabilities covering raw sand and molding sand property testing, mechanical property testing, metallographic structure analysis, and jominy testing, enabling full-spectrum control over the material performance of both raw materials and finished castings.



冲击（低温）试验机
Low-temperature Impact Testing Machine



King 布氏硬度计
King Brinell Hardness Tester



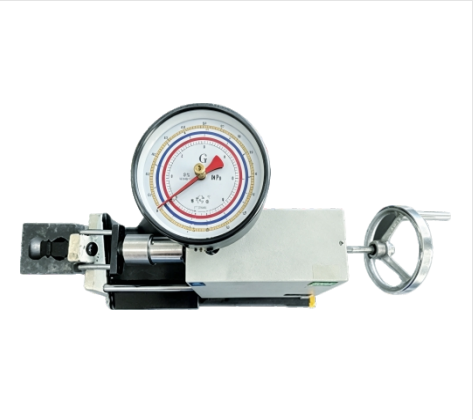
洛氏硬度计
Rockwell Hardness Tester



电磁振动筛砂机
Electromagnetic Vibrating Sand Sifter



直读光谱仪
Direct Reading Spectrometer



型砂强度试验机
Molding Sand Strength Tester

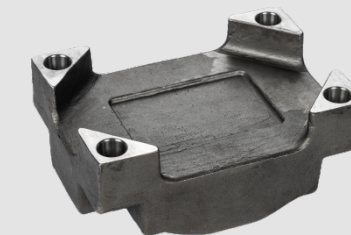
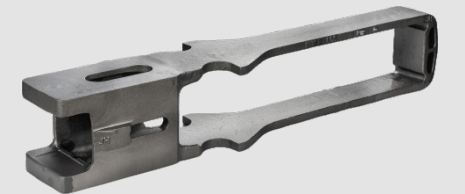
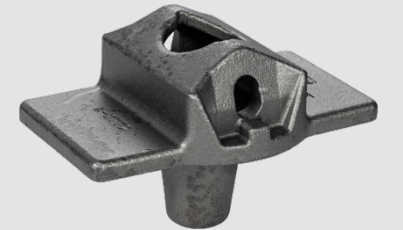
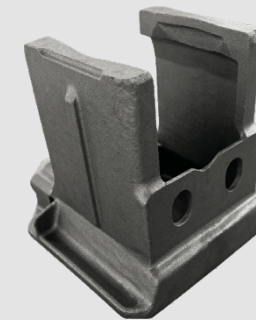
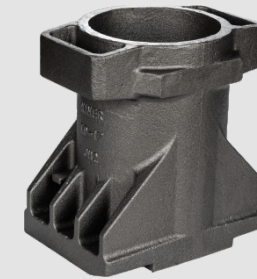
Casting- Railway parts

铸件/轨道交通

金汇深耕铸造行业数十载，产品广泛应用于轨道交通、工程机械设备、阀门压力容器等多个领域。
轨道交通核心铸件涵盖缓冲器箱体、弹簧座、钩尾框、钩舌、制动盘、眼环、连接器、轴箱体、支撑座、钩头罩等。

Jinhui has been deeply engaged in the foundry industry for decades, and its products are widely used in numerous sectors including railway engineering, construction machinery, valves, pressure vessels and other industries.

The core castings for railway include draft gear housings, spring seats, yokes, knuckles, brake discs, eyes, striker bodies, axle boxes, bearing bracket, coupler head and other components.



Casting- Railway parts

铸件/轨道交通

产品主要包括缓冲器、弹簧头、钩尾框架、钩舌、制动盘、眼环、连接器、轴箱体、支撑座、钩头盖等，兼容多种国内外机车，机车车厢的连接和缓冲系统。

Main products include draft gear housings, spring seats, yokes, knuckles, brake discs, eyes, striker bodies, axle boxes, support bases, coupler covers and other components, Compatible with the coupling and draft gear systems of various domestic and foreign locomotives and carriages.



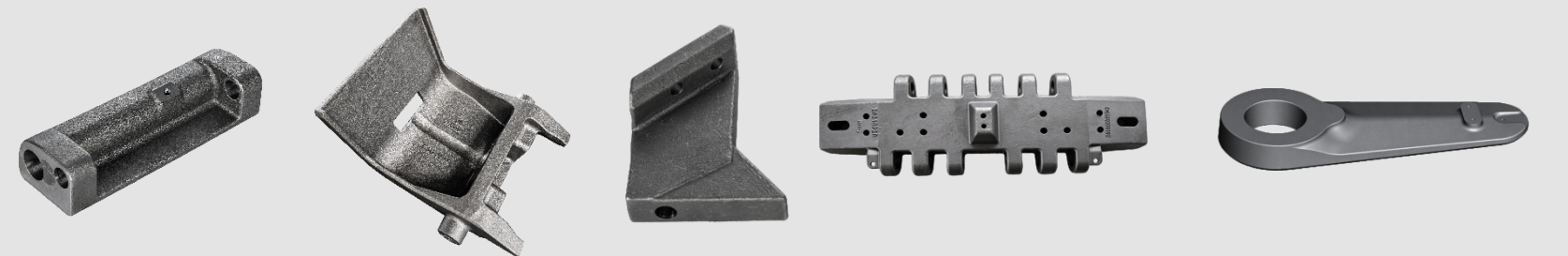
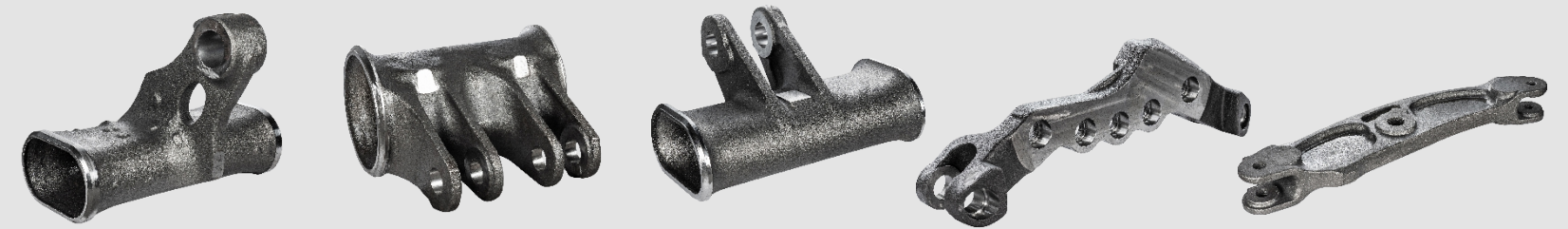
Casting-Construction Machinery parts

铸件/工程机械

金汇深耕铸造行业数十载，产品广泛应用于轨道交通、工程机械设备、阀门压力容器等多个领域。面向海内外高端工程机械客户，定制配套挖掘机、装载机、矿山设备等专用铸钢件。

Jinhui has been deeply engaged in the foundry industry for decades, and its products are widely used in numerous sectors including railway engineering, construction machinery, valves, pressure vessels and other industries.

Jinhui serves high-end construction machinery clients worldwide, supplying customized special steel castings for excavators, loaders, mining equipment and related equipment.



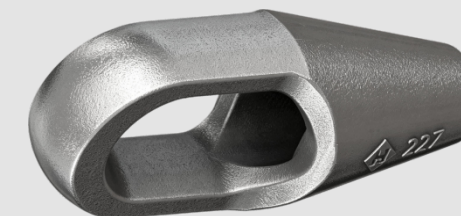
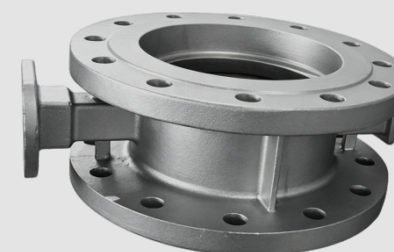
Valves and other castings

阀门及其他铸件

金汇深耕铸造行业数十载，产品广泛应用于轨道交通、工程机械设备、阀门压力容器等多个领域。可量产碳钢、高低温合金钢、不锈钢等材质阀门精密铸件，材质覆盖齐全，适配各类工况使用需求。

Jinhui has been deeply engaged in the foundry industry for decades, and its products are widely used in numerous sectors including railway engineering, construction machinery, valves, pressure vessels and other industries.

Mass production is available for precision valve castings in carbon steel, high & low temperature alloy steel, stainless steel and more. A full range of materials meets diverse working condition demands.



Forgings

锻件

公司专注碳钢、合金钢等精密锻件的研发与量产。全线配置 300 吨—2500 吨多条标准化智能锻造生产线，凭借稳定可靠的锻件品质，为轨道交通、汽车零部件、工程装备等多高端行业提供核心配套部件。

The company specializes in the R&D and mass production of precision forgings made of carbon steel, alloy steel and other materials. It is equipped with multiple standardized intelligent forging production lines ranging from 300 tons to 2,500 tons. With stable and reliable quality of forgings, we supply core supporting components for multiple high-end industries including rail transit, railway , automotive and engineering equipments.

