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辉县市腾飞机械制造有限公司
Huixian Tengfei Machinery Manufacturing Co.,LTD

绿色铸造，以质取胜
Green Steel Casting, Winning with Quality

中国·新乡



腾飞铸钢地处“新中国考古的摇篮”——河南省辉县市，现已发现的商代青铜圆鼎中形体最大，且最早带有“龙”字铭文的青铜器——“子龙鼎”就出土于这里。

子龙鼎以青铜为骨，藏匠心于器，形体巨大，造型雄伟，铸造精细，保存完美，是商周铜器中的极品。它与后母戊鼎一圆一方，相映成辉，是青铜国宝中的“绝世双璧”，现收藏于中国国家博物馆。

时光荏苒，二千五百年后的今天，辉县铸造火种被工业文明重新点燃，孟庄铸造基地全国闻名。腾飞铸钢就扎根在这片产业沃土上，怀揣对青铜文明的敬畏与传承，追寻祖先铸造的文脉与荣光，铸品如鼎，精益求精，创新智造，质承千年，用二十余载的风雨淬炼，续写着新世纪“子龙鼎”的铸造传奇！

Huixian Tengfei Machinery Manufacturing Co., Ltd. is located in Huixian City, Henan Province, hailed as the cradle of archaeological research in New China.known as the “Cradle of New China Archaeology.” It is here that the Zilong Ding (a round bronze ritual vessel), the largest round bronze tripod of the Shang Dynasty ever discovered and the earliest bronze artifact inscribed with the character "dragon", was unearthed.

Forged with bronze as its core and crafted with master craftsmanship, the Zilong Ding boasts a majestic size, imposing design, exquisite casting technique and impeccable preservation. It stands as a masterpiece among Shang and Zhou bronzes. Together with the Houmuwu Ding —one round, one square—they shine in mutual splendor, forming a pair of unparalleled national treasures of bronze art, and are now housed in the National Museum of China.

As time marches on, 2,500 years later, the flame of casting has been reignited in Huixian by modern industrial civilization, with the Mengzhuang Casting Base gaining nationwide renown.Rooted in this fertile industrial land, Huixian Tengfei Machinery Manufacturing Co., Ltd. cherishes profound reverence for and inherits the bronze civilization. Following the cultural heritage and glorious traditions of its casting ancestors, the company adheres to the principle of casting products with the same excellence as ancient tripods, pursuing relentless refinement, innovative intelligent manufacturing, and quality that honors a millennia–old legacy. Through over two decades of trials and tribulations, the company continues to write a new chapter in the casting legend of the “Zilong Ding” for the new century!



腾飞文化

TENGFEI CULTURE

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Company Profile
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Company Culture
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Development milestone

腾飞实力

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腾飞伙伴

TENGFEI PARTNER

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Friendly cooperation
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Customer Presentation



企业简介

COMPANY PROFILE

辉县市腾飞机械制造有限公司始建于2003年（简称：腾飞铸钢），位于河南省辉县市孟庄镇产业集聚区，占地面积10万平方米，在职员工300余人。是一家专业生产150吨以下碳钢、锰钢、低合金钢、不锈钢铸钢件，集研发、制造、服务为一体的国家高新技术企业，可为客户提供一站式服务。产品覆盖能源、船舶、冶金、矿山、阀门、水工、桥梁等重型机械行业，成功实现了和美卓、蒂森克虏伯、法孚、中信重工、中材等国内外知名企业的长期合作，产品出口全球30多个国家和地区。

公司自成立以来，始终坚持“简单、快乐、共赢、发展”的经营理念，深耕铸造行业20年，致力于成为全球高品质铸钢件的综合服务商。

Huixian Tengfei Machinery Manufacturing Co., Ltd. was established in 2003 (referred to as Tengfei Cast Steel), located in the industrial agglomeration area of Mengzhuang Town, Huixian City, Henan Province, covering an area of 100,000 square meters, with over 300 employees on the payroll. It is a national high-tech enterprise specializing in the production of carbon steel, manganese steel, low alloy steel and stainless steel cast steel parts under 150 tons, integrating R&D, manufacturing and service. It can provide one-stop services for customers. Our products cover heavy machinery industries such as energy, shipping, metallurgy, mining, valves, hydraulic engineering, and Bridges. We have successfully established long-term cooperation with well-known domestic and foreign enterprises like Metso, ThyssenKrupp, Fives, CITIC Heavy Industries, and Sinoma. Our products are exported to over 30 countries and regions around the world.

Since its establishment, the company has always adhered to the business philosophy of "simplicity, happiness, win-win and development", and has been deeply engaged in the foundry industry for 20 years, committed to becoming a comprehensive service provider of high-quality cast steel parts worldwide.



企业文化

CORPORATE CULTURE



年会凝心



生产聚力



节日福利



腾飞欢迎您



端午艾香



战略规划研讨

企业愿景：致力成为全球高品质铸钢件的综合服务商。

Corporate Vision: Committed to becoming a comprehensive service provider of high-quality cast steel parts worldwide.

企业使命：为客户提供高品质铸件，为中国智造贡献力量。

Enterprise Mission: to provide high-quality castings for customers, to contribute to China's intellectual strength.

核心价值观：踏实谦逊、勤恳负责、技专业精、居安思危。

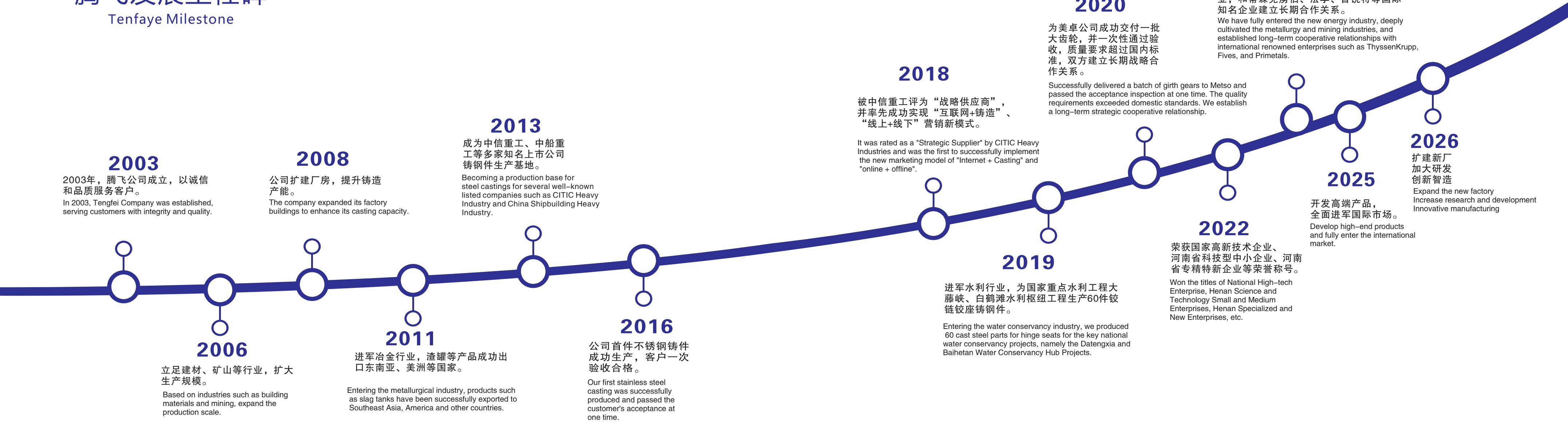
Core Values: down-to-earth and modest, diligent and responsible, technical and professional, be alert to danger.

企业精神：团结、仁爱、自律、精进

Spirit of Enterprise: Unity, benevolence, self-discipline and improvement

腾飞发展里程碑

Tenfaye Milestone



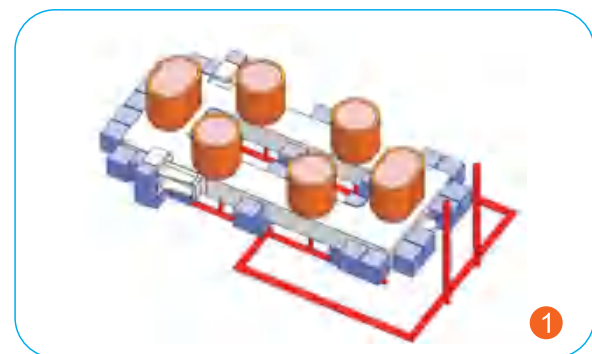


一站式定制服务

ONE-STOP CUSTOMISATION SERVICE

可来图定制单重3-150吨铸钢件，为客户提供从毛坯到成品的系列服务。

拥有2台大型自动化热处理窑、1台大型全自动抛丸机及30台起重设备，配套机加工体系完善，可实现从铸造成型到精细加工的全流程自主化生产，高效保障订单交付与产品品质。



模拟分析
Simulation & analysis



木模制作
Wooden Pattern making



砂型制造
Sand mould



钢水冶炼
Molten Steel Smelting



钢水检测
Molten steel test



钢水浇注
Molten steel pouring



铸件清理
Casting Cleaning



热处理
Heat Treatment



精整打磨
Finishing



机械加工
Machining



无损探伤
Non-destructive testing



包装发货
Packaging and Delivery

资质荣誉 QUALIFICATIONS AND HONORS

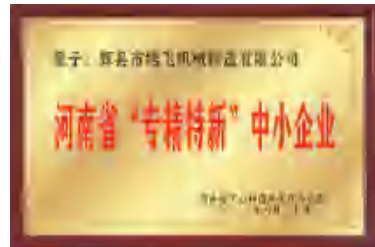
中国铸造协会会员、河南省铸锻工业协会理事单位、
《铸造企业规范条件》公告达标企业。

腾飞服务 TENGFEI SERVICE

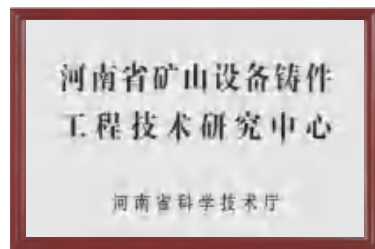
建立365天×24小时全天候快速响应机制。依托全流程可视化交付系统，为客户提供从需求对接、方案设计、生产制造到售后维保的一站式无忧服务，以高效服务赢得市场信赖。



国家高新技术企业
Certificate of high-tech enterprise



河南省“专精特新”中小企业
Henan Province “Professional,refine,Unique,and Innovative” Small and Medium Enterprises



矿山设备铸件工程技术研究中心
Mining Equipment Casting Engineering Technology Research Center



12个月
质保期
12 months warranty

24小时
工程师到场处理
24-hour engineer on-site processing

30分钟
在线保修响应
30 minutes online warranty response

365天
客服在线服务
365 days customer service online

高性价比
High cost-effective

100余台铸造加工设备
360°无损检测体系
使用寿命长
More than 100 sets of casting and machining equipments
360° non-destructive testing system
Long service life

短交货期
Short delivery time

科学的生产计划
强大的技术团队
先进的设备保障
Scientific production planning
Strong technical team
Advanced equipment guarantee

优质售后
Excellent after-sales

24小时快速响应
365天保驾护航
不间断上门服务
24-hour rapid response
365-day service support
Uninterrupted door-to-door service



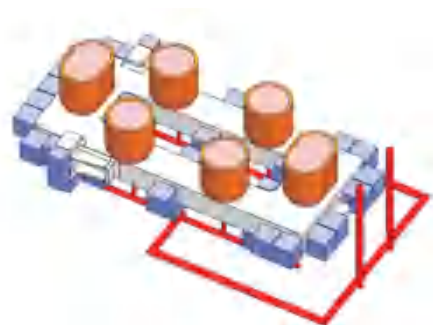
工艺设计 PROCESS DESIGN

全面应用三维建模、CAE模拟、有限元分析等前沿技术手段，构建“数字化研发+标准化落地+专利化转化”的“三位一体”技术创新体系。

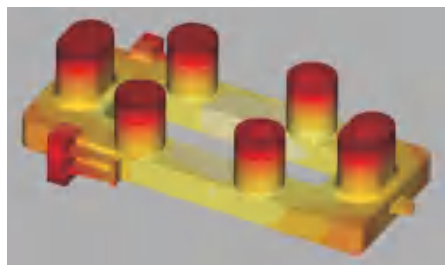


科技创新 TECHNOLOGICAL INNOVATION

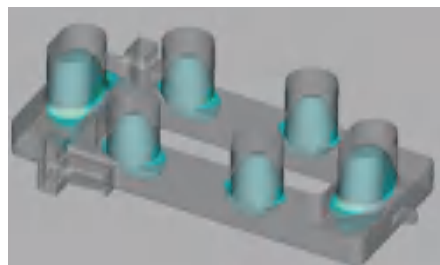
组建30余人的高素质技术研发团队，通过精准的仿真模拟与数据化分析，优化工艺参数，提前规避各类风险，为高品质铸钢件的稳定生产筑牢技术根基。



三维建模
Three-dimensional modeling



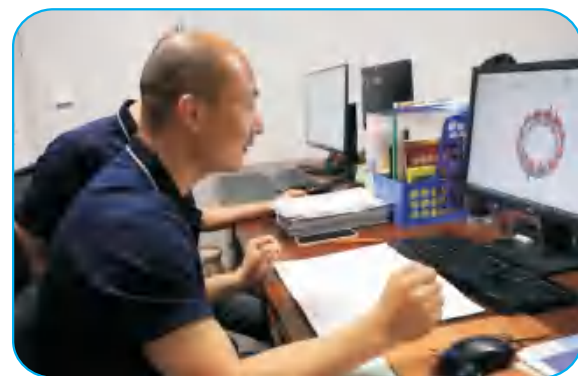
温度场模拟
Temperature field simulation



凝固模拟
Solidification simulation



有限元分析
Finite element analysis



工艺设计
Process design



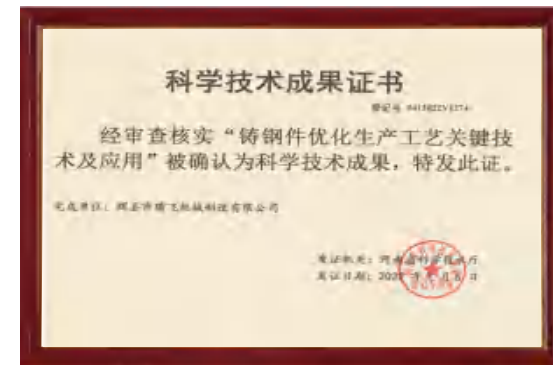
内窥镜检查
Endoscopic Inspection



校企技术交流
Industry-University
Technical Exchange



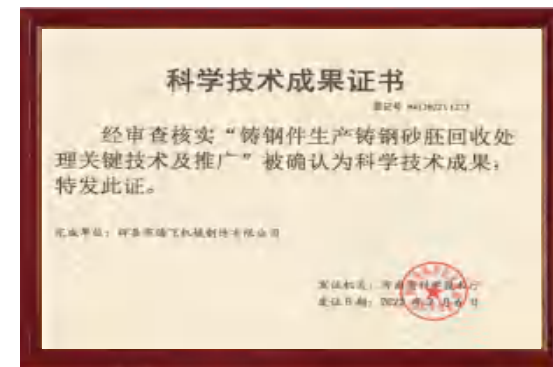
发明专利4项
4 authorized invention patents



科学技术成果证书
Scientific and Technological Achievement Award



实用新型专利30余项
over 30 authorized utility model patents



科学技术成果证书
Scientific and Technological Achievement Award

大型铸造车间 LARGE CASTING WORKSHOP

具备自主模具研发与制造能力，配备8个大型铸造地坑，
汇聚80余名经验丰富的专业造型工匠。

大型铸造车间 LARGE FOUNDRY WORKSHOP



木模车间
Wooden Pattern Workshop



造型车间
Modeling Workshop



水玻璃砂造型
Sodium silicate sand molding



热处理窑2台
Two heat treatment kilns



冶炼车间
Smelting Workshop



双包浇注
Double-ladle casting



精整车间
Finishing workshop



8米 × 8米全自动台车式抛丸机
8m x 8m Fully automatic trolley type shot blasting machine

» 大型机加工设备
LARGE SCALE MACHINING EQUIPMENT

» 大型机加工设备
LARGE SCALE MACHINING EQUIPMENT



φ10米数控立车
φ10m CNC vertical lathe



φ8米数控立车
φ 8m CNC vertical lathe



160镗床
160 Boring Machine



3×φ8米滚齿机
φ8m gear hobbing machine



2×φ6.3米数控立车
φ 6.3 m CNC vertical lathe



4×10米镗床
4×10m Boring Machine



检验检测

INSPECTION AND TESTING

配备德国OBLF光谱仪、三维扫描仪、拉力试验机、超声磁粉探伤仪等全套高精尖检测设备，8名二级探伤资质人员，建立全流程品控体系。



检验检测

INSPECTION AND TESTING

检测标准全面覆盖国标、美标、欧标、英标、日标等国内外权威标准，确保每一件产品均符合严苛的品质要求。



冲击试验机
Impact testing machine



冲击试样低温槽
Impact test specimen low-temperature bath



冲击试样缺口拉床
Impact specimen notch broaching machine



钢水成份检测
Detection of steel water composition



超声探伤
Ultrasonic flaw detection



三维扫描
Three-dimensional scanning



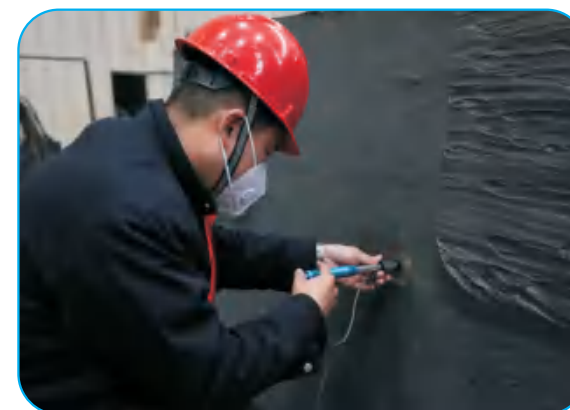
液压万能试验机
Hydraulic universal testing machine



金相试样磨抛机
Metallographic sample grinding and polishing machine



金相显微镜
Metallographic microscope



硬度检测
Hardness testing



磁粉探伤
Magnetic particle testing



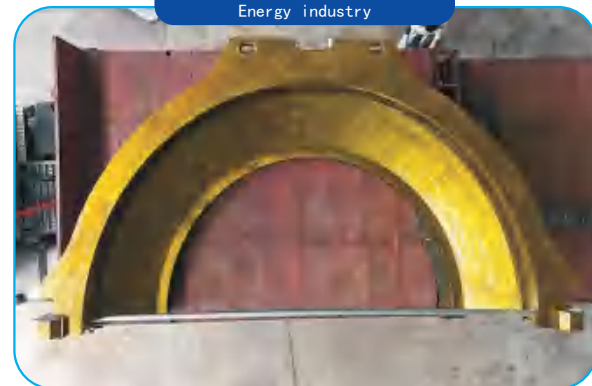
尺寸检验
Dimensional inspection

» 产品展示
PRODUCT DISPLAY

深耕铸造20年+, 服务客户2千+, 年产能3万吨+, 累计生产铸钢件3万件+。

» 能源行业
ENERGY INDUSTRY

能源行业
Energy industry



船舶行业
Shipbuilding industry



冶金行业
Metallurgical industry



建材行业
Building materials industry



水工行业
Hydraulic industry



阀门行业
Valve industry



低压内缸尾部
Rear Section of LP Inner Casing



隔板套
Diaphragm Sleeve



轴承座
Bearing Housing



持环
Retaining Ring



隔板套
Diaphragm Sleeve



猫爪
Support Lug



建材/矿山行业

BUILDING MATERIALS/MINING INDUSTRY



斜齿大齿圈
Helical large gear ring



1/8齿圈
1/8 split girth gear



半齿轮
Half girth gear



端盖
Ball Mill Head



轮带
Rotary Kiln Tyre



托轮
Kiln support roller



建材/矿山行业

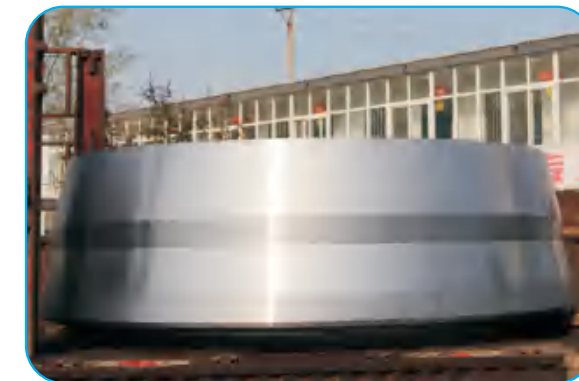
BUILDING MATERIALS/MINING INDUSTRY



磨盘
Grinding plate



中空轴
Ball mill trunnion



辊套
Roller shell



摇臂
Vertical mill rocker arm



辊套
Roller shell



轮毂
Grinding roller hub

» 水工行业 HYDRAULIC INDUSTRY

深度参与国家重大工程建设，为白鹤滩、大藤峡、澳氹大桥、平陆运河等国家级水利、基建工程提供核心铸钢件，彰显国之重器的配套实力。

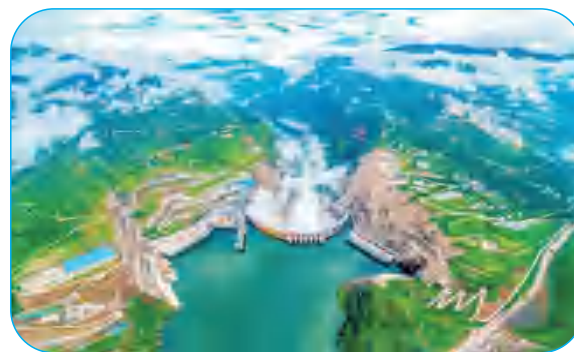


铰链、铰座
Hinges, Hinged seats

→应用项目：白鹤滩水电站

Project Application : Baihetan Hydropower Station

白鹤滩水电站是世界第二大水电站，是“西电东送”骨干工程。曾获菲迪克“卓越工程项目奖”，入选全球十大工程成就，代表中国水电技术顶尖水平。



The Baihetan Hydropower Station is the second largest hydropower station in the world and a key backbone project of the “West-to-East Power Transmission” initiative. It has received the FIDIC Award of Excellence and was listed among the world’s top ten engineering achievements, representing the highest level of China’s hydropower technology.



铰链、铰座
Hinges, Hinged seats

→应用项目：大藤峡水利枢纽工程

Project Application : Datengxia Water Conservancy Hub Project

大藤峡水利枢纽工程是国务院确立的172项节水供水重大水利工程的标志性工程，也是珠江—西江经济带和“西江亿吨黄金水道”基础设施建设的标志性工程，是两广合作、桂澳合作的重大工程。



The Datengxia Water Conservancy Hub Project is a landmark project among the 172 major national water-saving and water-supply projects approved by the State Council. It is also a landmark infrastructure project for the Pearl River – Xijiang Economic Belt and the “OneHundred-Million-Ton Golden Waterway of the Xijiang River,” as well as a major cooperative projec

» 水工行业 HYDRAULIC INDUSTRY



底座、顶盖（装配后）
Base top cover (after assembly)

→应用项目：平陆运河工程

Project Application: Pinglu Canal Project

平陆运河是新中国成立以来首条连通江海的大型运河工程，是西部陆海新通道骨干工程，全长134.2公里，可通航5000吨级船舶，总投资727亿元。



The Pinglu Canal is the first large-scale canal project connecting rivers and the sea in China . It is a key backbone project of the New Western Land-Sea Corridor, with a total length of 134.2 kilometers. The canal is navigable for 5,000-ton vessels and involves a total investment of 72.7 billion yuan.



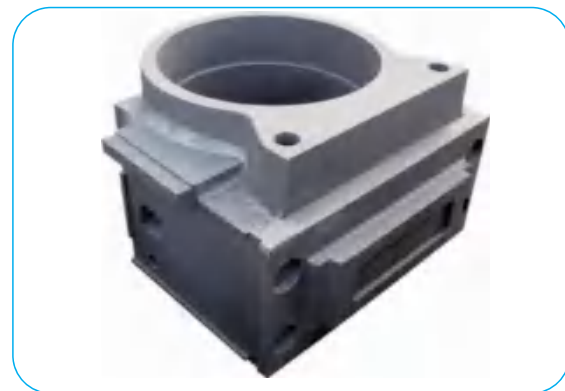
大阀体
Big Valve



转轮体
Runner hub



顶盖（平陆运河项目）
Top cover (Pinglu Canal Project)



轧机轴承座
Rolling mill Bearing Chock



轧机牌坊
Rolling mill housing



轧机牌坊
Rolling Mill Stand



出口韩国9m³渣罐
9m³slag pot exported to South Korea



出口美国8.5m³渣罐
8.5m³ slag pot exported to the United States



出口美国渣盆
slag basin exported to the United States



中国武钢7m³渣罐
slag pot manufactured for
WISCO(China)



中国包钢6m³渣罐
6m³slag pot manufactured
for Baogang Group



出口德国12m³渣盆
12m³ slag basin exported to Germany

» 阀门行业
VALVE INDUSTRY

» 锻压行业
FORGING AND PRESSING INDUSTRY



偏心半球 (右卧)
Eccentric hemisphere (right supine)



中间筒
Cylinder liner



蝶阀
Butterfly valve



球阀
Ball valve



蒸汽室
Steam cabinet



阀体
Valve body



机身
Rolling mill rack



母夹臂
Forging machine clamp arm



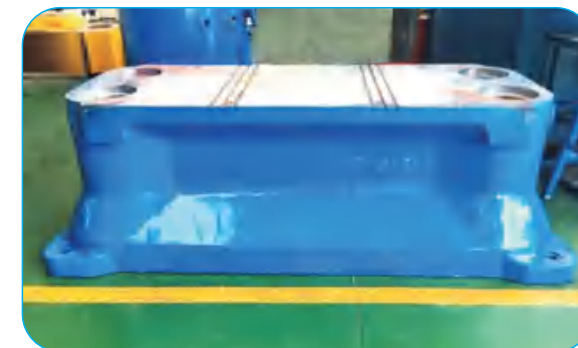
上横梁
Upper crossbeam



左立柱
Left Column



横梁
Cross beam



底座
Drop forging hammer anvil

» 破碎行业
GYRATORY CRUSHER PARTS

» 不锈钢产品
STAINLESS STEEL PRODUCTS



底座
Base



上横梁
Upper crossbeam



上机架
Upper Frame



上机架
Upper Frame



下机架
Lower frame



动鄂体
Movable jaw



不锈钢端盖(材质 316L)
Stainless steel end cover(material 316L)



不锈钢支座板 (材质316L)
Stainless support plate (material 316L)



(澳门澳氹大桥) 桥梁支座板
(Macao Cotai Bridge) bridge support plate



不锈钢支座板
Stainless steel bearing plate

» 友好合作
FRIENDLY COOPERATION

凭借卓越的产品与技术实力，服务美卓、蒂森克虏伯、史密斯、法孚、中信重工、一重集团等100余家全球头部企业。

» 友好合作
FRIENDLY COOPERATION



艾法·史密斯（水泥）客户来访
Customers from FLSmidth Cement visited



蒂森克虏伯客户来访
Visit from Thyssenkrupp Customers



洛阳中信重工客户来访
Visit from CITIC Heavy Industries Customers



常州天山客户来访
Customers from Tianshan Heavy Industry Machinery visited



法国法孚公司客户来访
Customers from Fives Group, France, visited



奥地利客户来访
Visit from Austrian Customers



武船重工客户来访
Visit from Wuchang Shipbuilding Industry Group Customers



天津一重客户来访
A client from Tianjin First Heavy Industries visited

» 友好合作
FRIENDLY COOPERATION

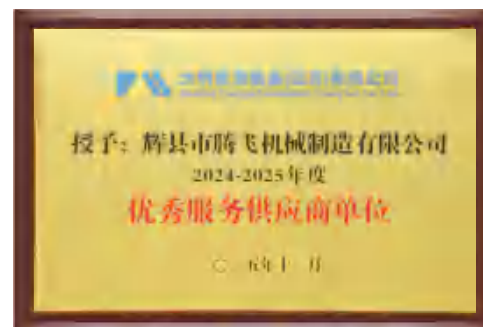
» 客户展示
CUSTOMER PRESENTATION



中信重工优秀供应商
Outstanding supplier of CITIC Heavy Industries



中实洛阳优秀供应商
Outstanding supplier of Zhongshi Luoyang



江苏大明优秀供应商
Outstanding supplier of Jiangsu Daming



中重铸锻战略供应商
Strategic supplier of Zhongzhong
Casting and Forging



武重优质诚信供应商
Wuhan Heavy Industry's high-quality
and trustworthy supplier



洛阳轴承战略供应商
Strategic supplier of
Luoyang bearings

Metso



远大阀门集团有限公司

