



资质文件

Qualification Documents



河南省矿山起重机有限公司

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一、企业简介 Company profile



公司总部鸟瞰图



智能产业园鸟瞰图

河南省矿山起重机有限公司（以下简称“河南矿山”）成立于2002年，注册资金**11.77亿元**，建设面积**162万平方米**，现有员工**5100余人**。专业从事“矿源”牌桥式、门式起重机及电动葫芦等三大系列210余种各类起重机及配套件产品的研发、设计、生产、销售、安装及全生命周期服务。

HENAN MINE CRANE CO.,LTD(hereinafter referred to as “Henan Mine Crane”), established in 2002, boasts a registered capital of 1.177 billion yuan, a construction area of 1.62 million square meters, and over 5,100 employees. The company specializes in the R&D, design, production, sales, installation, and full-lifecycle services of three major product series (bridge cranes, gantry cranes, and electric hoists) under its “Mining Source” brand, offering over 210 types of cranes and related components.

河南矿山以“树百年矿源，创一流企业”为企业愿景，无贷款、无拖欠、无融资，诚信经营，合作共赢，现已成为国内规模最大的桥门式起重机生产民营企业。作为一家专业的起重机及物料搬运产品制造商和服务供应商，能够为客户提供整体解决方案和全生命周期服务，致力于起重机产业的智能、绿色、高质量发展。

With the corporate vision of “Building a Century-Old Mining Source Brand and Creating a First-Class Enterprise,” Henan Mine Crane operates debt-free, maintains integrity in business practices, and has grown into China’s largest privately-owned manufacturer of bridge and gantry cranes. As a professional crane and material handling equipment manufacturer and service provider, it delivers comprehensive solutions and lifecycle services, driving intelligent, green, and high-quality

development in the crane industry.

河南矿山是中国重型机械工业协会副理事长单位、全国起重机械标准化技术委员会委员单位、公司高级经理须雷担任国际标准化组织起重机技术委员会（ISO/TC96）国内技术对口专家工作组副组长。先后获得“中国工业大奖提名奖”“国家制造业单项冠军企业”“中国工业企业质量标杆企业”“国家级绿色工厂”“国家知识产权示范企业”“国家高新技术企业”“自主创新领军企业”“河南省省长质量奖”“河南省头雁企业”“河南省创新龙头企业”“河南省智能制造标杆”等500多项殊荣。产品产销量、市场占有率、自动化智能化装备水平连续多年位居全国同行业前列。

Henan Mine Crane holds prestigious positions, including Vice Chair of the China Heavy Machinery Industry Association and membership in the National Technical Committee for Standardization of Lifting Equipment. The company's Senior Manager Xu Lei serves as Deputy Leader of the Domestic Technical Expert Group for ISO/TC96 (Cranes). It has received over 500 honors, such as the "China Industrial Grand Award Nomination," "National Manufacturing Single Champion Enterprise," "National Green Factory," "National Intellectual Property Demonstration Enterprise," "National High-Tech Enterprise," "Henan Governor's Quality Award," and "Henan Innovation Leader Enterprise." Its product output, market share, and intelligent manufacturing capabilities have consistently ranked among the industry's top nationwide.

2024年实现各类起重机产销量12.8万余台（套）。产品畅销全国各地，并远销泰国、马来西亚、澳大利亚、俄罗斯等122个国家和地区，服务于7000余家中高端客户，目前公司已在航空航天、汽车船舶、石油化工、铁路军工、钢铁冶炼、机械制造以及垃圾焚烧处理等50多个专业领域取得骄人成果。研发制造的远程监控起重机、智能仓储起重机、精准定位起重机、自动化集装箱门式起重机、无人化起重机、核级专用起重机、洁净防爆自动起重机、多支点柔性起重机等高精尖产品服务于宝武、中铁、中冶、中核、中航等大型企业。

In 2024, the company produced and sold over 128,000 cranes. Its products are widely distributed across China and exported to 122 countries and regions, including Thailand, Malaysia, Australia, and Russia, serving more than 7,000 mid-to-high-end clients. The company has achieved remarkable success in over 50 specialized fields, such as aerospace, automotive, shipbuilding, petrochemicals, military railways,

steel smelting, and waste incineration. Its cutting-edge products — including remote-monitored cranes, intelligent warehouse cranes, automated container gantry cranes, unmanned cranes, nuclear-grade cranes, and explosion-proof cranes — are utilized by leading enterprises like Baowu Steel Group, China Railway, and China National Nuclear Corporation.

河南矿山是高新技术企业，**汇聚了10余名行业知名专家和200余名中高级工程师**，组成了强大的技术团队，专注于产品的创新设计与研发。公司已累计获得国家专利和省级科技成果**700余项**。为持续推动技术创新，河南矿山建立了多个高水平的研发平台，包括国家级企业技术中心、省级工业设计中心、河南省节能起重机工程技术研究中心，以及起重机关键技术实验室和中原学者工作站，这些平台为企业的技术突破提供了坚实的支撑。此外，河南矿山与多家知名高校和科研机构建立了长期合作关系，包括北京起重运输机械设计研究院有限公司、河南省特种设备检验技术研究院、哈尔滨工业大学、西安建筑科技大学、华北水利水电大学和太原科技大学等。通过产学研深度融合，河南矿山不断推动起重机技术的创新与发展，为行业进步提供了强有力的支持。

As a high-tech enterprise, Henan Mine Crane employs over 10 industry-renowned experts and 200+ senior engineers, forming a robust R&D team dedicated to innovation. The company holds over 700 national patents and provincial-level scientific achievements. To advance technological innovation, it has established multiple high-level R&D platforms, including a National Enterprise Technology Center, Provincial Industrial Design Center, Henan Energy-Saving Crane Engineering Research Center, and collaboration hubs like the Key Crane Technology Laboratory and Academician Workstation. Partnerships with institutions such as Beijing起重Transport Machinery Design Institute, Harbin Institute of Technology, and Taiyuan University of Technology further enhance its R&D capabilities through industry-academia collaboration.

公司以“孝文化”引领，以“三心”（以孝心和谐家庭，以诚心团结同志，以热心服务客户）为企业核心价值观，以“六最”（产品质量最好，服务质量最优，产品价格最低，员工薪酬最高，市场占有率最大，对社会奉献最丰）为发展目标，不忘初心，实业报国，为起重机产业发展做出积极贡献。



Guided by its "Filial Piety Culture" and core values of "Three Hearts" (harmonizing families with filial piety, uniting colleagues with sincerity, and serving clients with passion), the company pursues "Six Best" goals: delivering the finest product quality, optimal services, competitive pricing, highest employee compensation, largest market share, and maximal social contribution. Staying true to its founding mission, Henan Mine Crane remains committed to industrial patriotism and advancing the crane industry.

单 位：河南省矿山起重机有限公司

Company: HENAN MINE CRANE CO., LTD

董事长：崔培军

Chairman: Cui Peijun

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企业概貌 Enterprise Overview



本部鸟瞰图 Bird's eye view of the central plant



产业园鸟瞰图 Park bird's eye view



产业园综合办公楼 Industrial park comprehensive office building

桥式起重机 Bridge Crane



KSQ 400/100t 桥式起重机 Bridge Crane



YZ 360/80t 铸造桥式起重机 Casting Crane



**160+160t 防爆双梁桥式起重机
Anti-explosion Double Beam Bridge Crane**



**双梁桥式起重机
Double Girder Overhead Crane**

门式起重机 Gantry Crane



**宏海号22000吨桁架拱形起重机
Honghai 22000ton Truss Gantry Crane**



**中铁九桥工程有限公司400吨工程门吊
China Rail Jiuqiao 400ton Engineering Crane**



**锦州港50吨集装箱门吊
Jinzhou 50ton Container Gantry Crane**



**中隧集团重庆轨道交通六号线U型地铁翻渣门吊
China Chongqing Rail Transit Line6 U-shaped Subway
Slag Turning Gantry Crane**

特种设备起重机 Special Equipment Cranes

宝武集团全自动无人值守起重机
Baowu Group Fully Automatic Unattended Crane

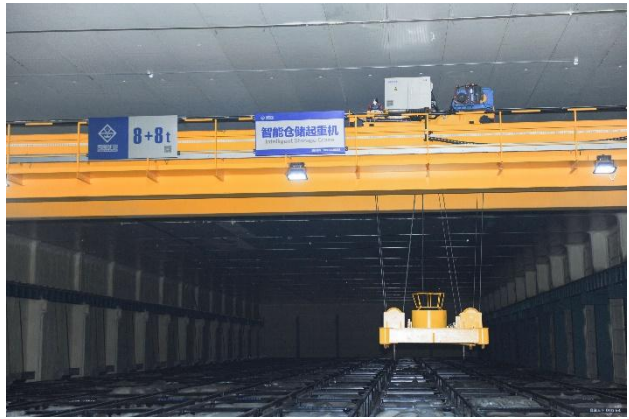
不仅可实现起重机三维定位、自动装卸，还可实现起重机的运行监视、诊断分析、设备预警与检修维护。

It can not only realize the three-dimensional positioning and automatic loading and unloading of the crane, but also realize the operation monitoring, diagnostic analysis, equipment early warning and maintenance of the crane.


兰铁物流 轨道式集装箱门式起重机
Lantie Logistics Rail-mounted Container Gantry Crane

能满足全天候、各季节工作要求，运行速度快切平稳，可实现无人化操作、实时远程监控，故障快速诊断。

It can meet the requirements of all-weather and all seasons, and the running speed is fast and stable. It can realize unmanned operation, real-time remote monitoring, and rapid fault diagnosis.


山东蒜通天下智能仓储起重机
Shandong Suantong Tianxia Intelligent Storage Crane

实现了自动化吊具抓放和码垛、自动定位、智能管理等功能，是人工装卸效能的 100 倍，综合成品下降 60%。It realizes functions such as automatic spreader picking and stacking, automatic positioning, intelligent management, etc., which is 100 times the efficiency of manual loading and unloading, and the comprehensive finished product is reduced by 60%.


徐工交通 多功能桥梁门式起重机
XCMG Transportation Multifunctional Bridge Gantry Crane

成功实现预制桥梁工厂流水线工作，运行平稳，结构轻量化，有效提高车间的空间利用率。

Successfully realized the assembly line work of the prefabricated bridge factory, the operation is stable, the structure is lightweight, and the space utilization rate of the workshop is effectively improved.

特种设备起重机 Special Equipment Cranes


韶关钢铁 无人化抓斗起重机
Shaoguan Iron and Steel Unmanned Grab Crane

针对转底炉炼钢工艺定制开发，为实现其真正意义上的全系统“一键炼钢”提供了有力的支撑。

The customized development for the rotary hearth furnace steelmaking process provides a strong support for the realization of the real system-wide "one-key steelmaking".



洁净防爆全自动型起重机
Clean Explosion-proof Automatic Crane

整机大量采用耐磨耐腐蚀材料，粉尘收集装置，有效减少粉尘颗粒，安全防爆，可做到智能化、人性化。

The whole machine adopts a large number of wear-resistant and corrosion-resistant materials, and the dust collection device can effectively reduce dust particles. It is safe and explosion-proof, and can be intelligent and humanized.



九江迁安 焦罐专用起重机
Jiujiang Qian'an Special Crane for Coke Tank

克服了高温红焦热辐射和高温火焰烘烤等技术难点，并帮助更新了焦炭行业起重机新的检验设计标准。

Overcome technical difficulties such as high-temperature red coke heat radiation and high-temperature flame baking, and help update the new inspection and design standards for cranes in the coke industry.



山东钢铁 智能钢板堆垛机
Shandong Iron and Steel Intelligent Steel Plate Stacker

采用了高度集成化自动控制，改变了传统的板材收集方式，有效缓解生产压力，生产效率提高了3倍以上。

Highly integrated automatic control is adopted, which changes the traditional plate collection method, effectively relieves production pressure, and increases production efficiency by more than 3 times.

生产设备 Production equipment



全自动双梁主梁内缝机器人焊接工作站
Automatic Robot Welding Workstation of
Double Beam Main Beam



单梁主梁内缝机器人焊接流水线
Robot Welding Line of
Single Beam Main Beam



新型端梁机器人焊接工作站
New End-beam Robot
Welding Workstation



单梁筋板组装焊接工作站
Single-beam Reinforcement Plate Assembly
and Welding Workstation



数控定梁龙门移动式镗铣加工中心
CNC Fixed Beam Gantry Mobile Boring
and Milling Machining Center



龙门镗铣加工中心
Gantry Boring and Milling
Machining Center

生产设备 Production facility



自动上下料机器人
Automatic Loading and Unloading Robot



电动葫芦卷筒外罩机器人焊接工作站
Electric Hodrum Cover Robot Welding Workstation



300LD车轮轴智能自动化生产单元
300LD Wheel Axle Intelligent Automation Production Unit



齿轮片智能自动化生产单元
Gearpiece Intelligent Automatic Production Unit



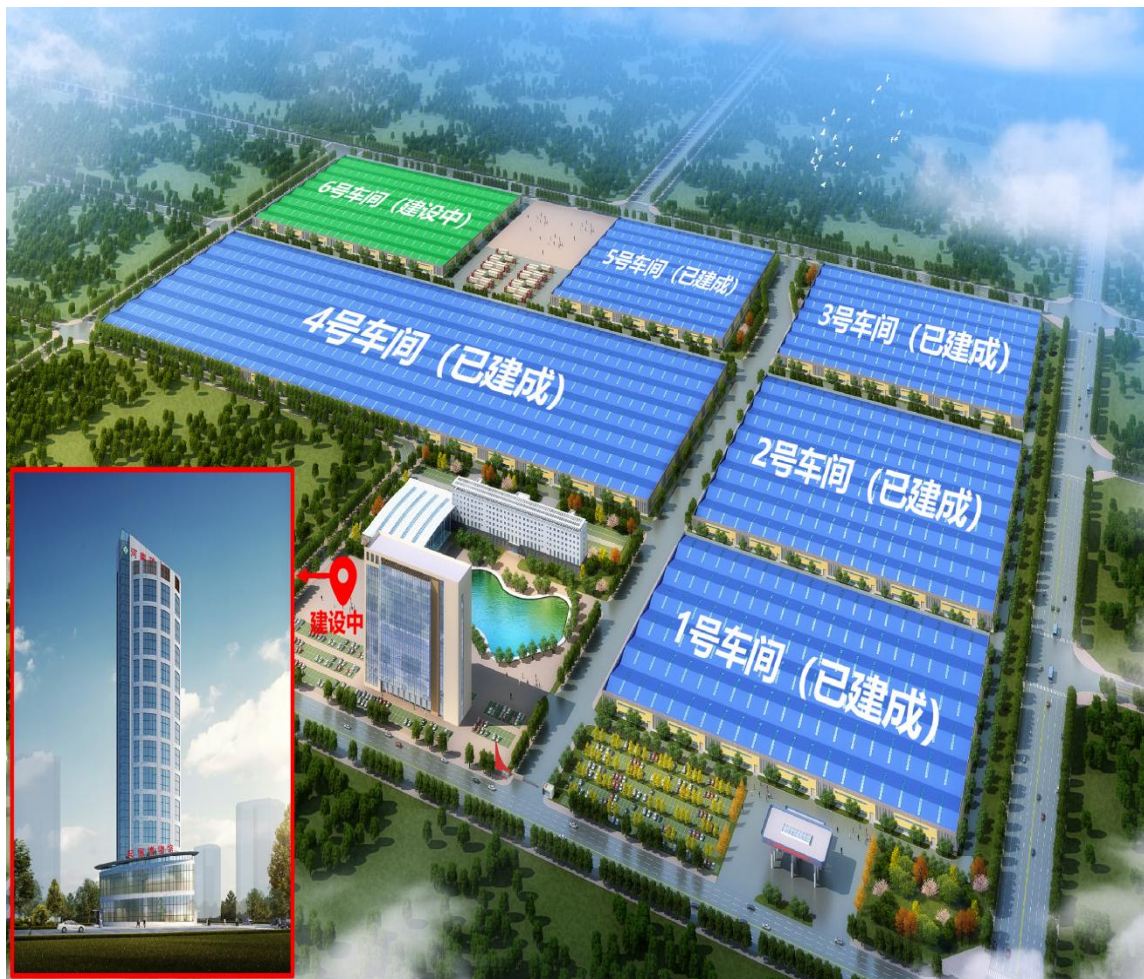
铸钢车间LD轮碾压全自动流水线
Steel Casting Workshop LD Wheel Rolling
Automatic Assembly Line



减速机内齿齿轮自动线
Reducinner Gear Gear
Automatic Line

河南矿山智能产业园区介绍

Introduction to Henan Mine Intelligent Industrial Park



河矿智能制造产业园 项目简介



26亿元
总投资



74万平米
总建筑面积



5万台
单双梁智能起重机年产量

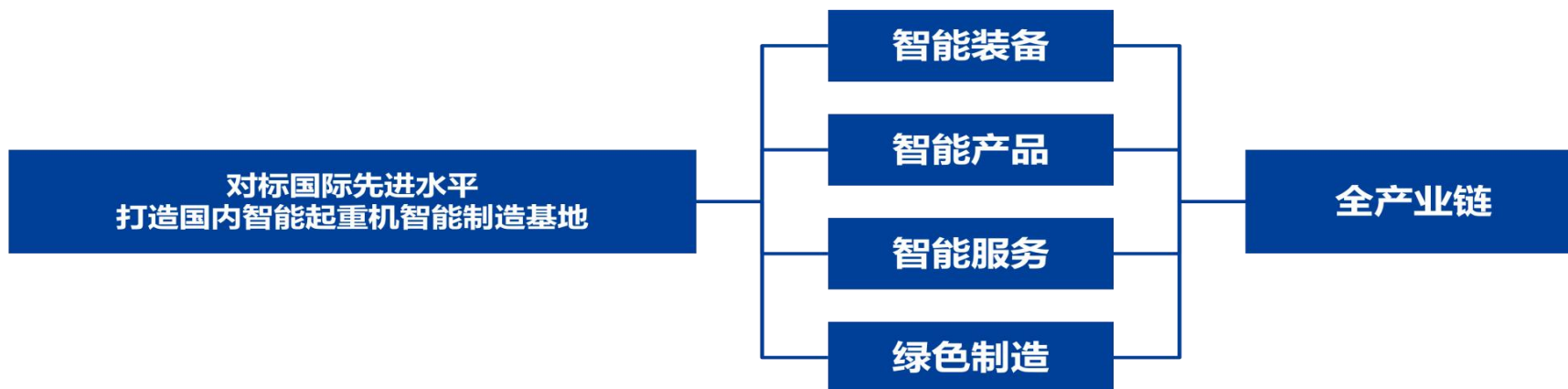
该项目是河南矿山响应长垣“回归工程”的第二次重大投资项目，总投资26亿元，规划建设面积74万平米，计划五年工期。预计项目全部建成后，实现年销售收入110亿元。

2019年3月破土动工，至今总规划57.2万㎡6个生产车间即将基本竣工，从2019年9月陆续投入生产，发挥效益。

目前，除办公主楼以外，其他办公、生活、服务、文化设施已经建成并投入使用。

新增规划正在建设的“中国起重机械博物馆”，规划建设面积3380㎡，高77米，投资1.2亿元，2021年8月竣工，将成为长垣市最高的集起重机械博物、科普、企业文化中心、市容景观于一体的地方标志性建筑。

河矿智能制造产业园项目



智能装备

目前我们已是全球桥、门式起重机生产厂家中装备机器人最多的。2019年河南矿山被评为河南省“智能工厂”。



提高产品质量



保持质量一致性



减少高级技术工人



提高工作效率

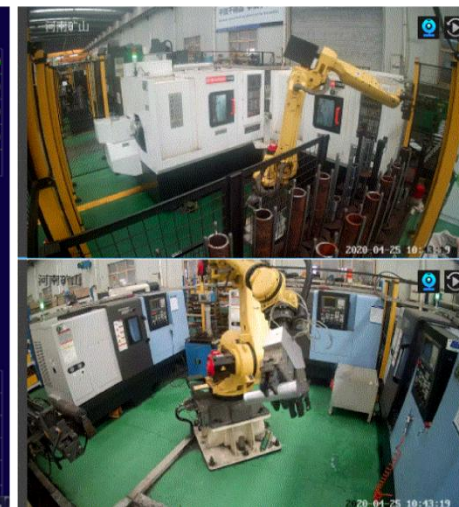


依靠设备和工装稳定质量

智能装备 | 精加工

2018年数控精加工车间被评为河南省“智能车间”。

产业园安装有智能装备管理平台，现已安装运行310台（套），规划全部建成后将达500余台（套），数字化率和联网率分别达到95%和85%。


智能装备 | 工作站


规划安装智能生产线**22**条，生产全流程中自动化水平达到**85%**以上。



单梁主梁内缝机器人焊接流水线



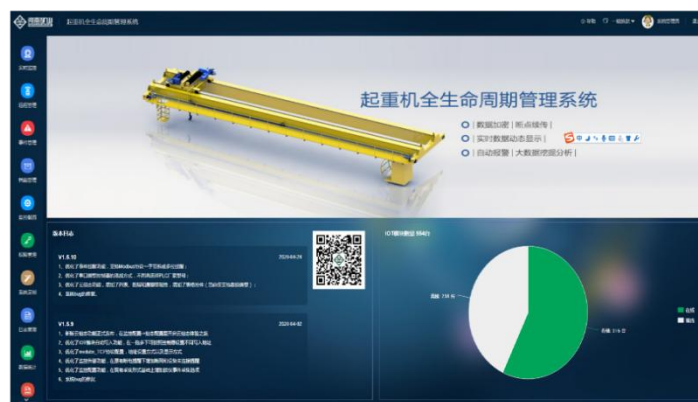
单梁端梁机器人焊接流水线



全自动双梁主梁内缝机器人焊接流水线

智能服务

智能云服务将实现起重机的远程监测、健康评估、安全诊断、智能维护的全生命周期管理，全面推动公司从“生产型制造”向“智能服务型制造”的转型升级。



二、企业技术实力说明 Description of the technical strength of the enterprise

一、技术先进 Advanced technology

河南省矿山起重机有限公司（以下简称公司）所采用的图纸，均是根据订单设计的最新图纸，经过计算机优化设计，结构更合理。图纸设计均执行与国际标准接轨的国家最新标准，代表国内起重产品的最新结构设计和先进水平。

The drawings used by Henan Mining Crane Co., Ltd. (hereinafter referred to as the company) are all the latest drawings designed according to the order. After computer optimization design, the structure is more reasonable. Drawings are designed in accordance with the latest national standards in line with international standards, representing the latest structural design and advanced level of domestic lifting products.

二、技术力量雄厚 Strong technical force

公司是国家高新技术企业，建有国家级企业技术中心、省级企业技术中心、省级工业设计中心以及省级节能起重机工程技术研究中心，专职负责本公司各种产品的设计、开发。由 10 余名行业顶尖专家、200 余名中高级工程师组成的技术团队，其中部分工程技术人员已从事起重机专业技术设计工作长达 30 年以上，是一支实力雄厚、经验丰富、技术领先的设计、开发团队。

The company is a national high-tech enterprise. It has a national enterprise technology center, a provincial enterprise technology center, a provincial industrial design center and a provincial energy-saving crane engineering technology research

center. It is responsible for the design and development of various products of the company. A technical team composed of more than 10 industry top experts and more than 200 middle and senior engineers, some of whom have been engaged in crane professional technical design work for more than 30 years, is a design team with strong strength, rich experience and leading technology ,development team.

公司与北京起重运输机械设计研究院、哈尔滨工业大学、西南交通大学、西安建筑科技大学、太原科技大学、郑州大学等院校签订了长期技术合作协议，聘请多位行业专家、教授、博士等指导和参与本公司新产品的设计开发工作，并长期对本公司工程技术人员进行培训，以保证开发新产品的能力，具有国内乃至国际领先水平。

The company has signed long-term technical cooperation agreements with Beijing Crane and Transportation Machinery Design and Research Institute, Harbin Institute of Technology, Southwest Jiaotong University, Xi'an University of Architecture and Technology, Taiyuan University of Science and Technology, Zhengzhou University and other institutions, and hired many industry experts, professors, doctors, etc. Guide and participate in the design and development of the company's new products, and provide long-term training for the company's engineering and technical personnel to ensure the ability to develop new products, with domestic and international leading level.





公司聘请须雷博士为高级经理。

须雷，工学博士，教授级高工，毕业于上海交通大学起重运输机械专业，中国机械工程学会高级会员，中国机械工程学会物流工程分会常务理事，上海市机械工程学会物流工程分会副理事长，全国起重机械标准化技术委员会委员。享受国务院颁发政府特殊津贴，获中国机械工业青年科技专家称号。



曾任北京起重运输机械研究所副所长兼总工程师，国家起重运输机械质量监督检验中心主任，全国起重机械标准化技术委员会主任，德马格起重机械（上海）有限公司高级经理。

The company hired Dr. Xu Lei as a senior manager.

Xu Lei, Doctor of Engineering, professor-level senior engineer, graduated from Shanghai Jiaotong University majoring in lifting and transportation machinery, senior member of the Chinese Mechanical Engineering Society, executive director of the Logistics Engineering Branch of the Chinese Mechanical Engineering Society, and vice-chairman of the Logistics Engineering Branch of the Shanghai Mechanical Engineering Society, Member of the National Hoisting Machinery Standardization

Technical Committee. He enjoys the special government allowance issued by the State Council, and is awarded the title of Young Science and Technology Expert of China Machinery Industry.

He used to be the deputy director and chief engineer of Beijing Institute of Lifting and Transportation Machinery, the director of the National Lifting and Transportation Machinery Quality Supervision and Inspection Center, the director of the National Lifting Machinery Standardization Technical Committee, and the senior manager of Demag Lifting Machinery (Shanghai) Co., Ltd.

曾参加《起重机设计规范》、《起重机设计手册》和《机械工程手册》的主要编写工作，在国内外科技期刊及学术会议上发表起重机械学术论文 60 多篇。获部级科技成果二、三等奖共 4 次。

He has participated in the main compilation of "Crane Design Code", "Crane Design Manual" and "Mechanical Engineering Manual", and published more than 60 academic papers on crane machinery in domestic and foreign scientific journals and academic conferences. Won the second and third prizes of ministerial-level scientific and technological achievements 4 times.

目前，公司已获得国家专利 400 余项，主持、参与制、修订国家标准、行业标准、地方标准及团体标准 50 余项（其中已发布 27 项），获各类科技奖励及成果 50 余项，相继开发了大吨位轻量化起重机、智能仓储起重机、精准定位起重机、自动化集装箱门式起重机、无人化起重机、地铁施工用出渣门式起重机、洁净防爆自动起重机、多支点柔性悬挂起重机以及绝缘、防爆、冶金等专用起重机。

At present, the company has obtained more than 400 national patents, presided over, participated in the formulation and revision of more than 50 national standards, industry standards, local standards and group standards (27 of which have been released), and won more than 50 various scientific and technological awards and achievements. We have successively developed large tonnage lightweight cranes, intelligent storage cranes, precise positioning cranes, automated container gantry cranes, unmanned cranes, slag discharge gantry cranes for subway construction, clean explosion-proof automatic cranes, multi-pivot flexible suspension cranes and insulation, Explosion-proof, metallurgical and other special cranes.

三、技术创新 Technological innovation

公司围绕“以顾客为中心”，持续进行技术创新，形成不可替代的核心竞争优势，购置、安装了具有国际先进水平的生产设备和检测设备共计 1600 台套，形成较完备的成套装备制造体系。公司现为河南省高新技术企业，不断完善科技创新体系建设，用科技创新推动经济增长，增强企业核心竞争实力，加大在集装箱装卸、高铁修建、港口、海油工程设备吊装等领域的产品研发力度，在节能低噪大吨位起重机上突破创新。公司先后中标兰州铁路局综合货场工程、太原枢纽（北六堡）物流中心工程、厦门前场铁路货场、曹妃甸码头等一带一路重点项目、并出口到肯尼亚、哈萨克斯坦、俄罗斯等 80 多个国家，作为面向中、西亚以及欧洲的西部铁路集散中心，兰州铁路综合货场项目对起重机的设计和工艺要求很高，我们相继交付了多台 CMJA8 40.5T-35.5M 集装箱门机，出色的完成了生产任务。公司每年投入占销售收入的 3.8%以上科研经费用于新产品的研发，为新产品研发提供了可靠的保障。

Focusing on "customer-centered", the company continues to carry out technological

innovation, forming an irreplaceable core competitive advantage, purchasing and installing a total of 1,600 sets of internationally advanced production equipment and testing equipment, forming a relatively complete complete equipment manufacturing system. **The company is now a high-tech enterprise in Henan Province, constantly improving the construction of the scientific and technological innovation system, using technological innovation to promote economic growth, enhancing the core competitiveness of the enterprise, and increasing product research and development in the fields of container handling, high-speed rail construction, port, offshore oil engineering equipment hoisting, etc. Intensive efforts to make breakthroughs and innovations in energy-saving and low-noise large-tonnage cranes. The company has successively won the bids for the comprehensive freight yard project of Lanzhou Railway Bureau, the Taiyuan hub (Beiliubao) logistics center project, Xiamen Qianchang Railway Freight Yard, Caofeidian Wharf and other key projects along the Belt and Road, and exported to more than 80 countries including Kenya, Kazakhstan, and Russia. As a western railway distribution center for China, West Asia and Europe, the Lanzhou Railway Comprehensive Freight Yard Project has high requirements on crane design and technology. We have successively delivered multiple CMJA8 40.5T-35.5M container gantry cranes and completed the production task excellently . The company invests more than 3.8% of its sales revenue in scientific research funds for new product research and development every year,**

providing a reliable guarantee for new product research and development.

四、加工工艺及设备先进 Advanced processing technology and equipment

公司为确保产品的加工质量，制定了一整套符合现代生产和我厂实际情况的产品加工工艺。并从原材料进厂到最后整机出厂均配备相应的现代化生产和检测装备。设施齐全的理化分析器具、原材料预处理机、数控切割机、数控加工设备、功能齐全的热处理设备以及埋弧焊、CO₂气体保护焊、各种专用设备，以及大型起重机械等，16条机器人生产线为生产高质量的起重机产品提供了可靠的保证。

In order to ensure the processing quality of the products, the company has formulated a complete set of product processing technology in line with modern production and the actual situation of our factory. And it is equipped with corresponding modern production and testing equipment from the raw material entering the factory to the final machine leaving the factory. Well-equipped physical and chemical analysis equipment, raw material pretreatment machine, CNC cutting machine, CNC processing equipment, fully functional heat treatment equipment, submerged arc welding, CO₂ gas shielded welding, various special equipment, and large lifting machinery, etc., 16 robots The production line provides a reliable guarantee for the production of high-quality crane products.

公司以标杆企业的先进技术为目标，积极引进和采用先进技术和标准，不断提升科研开发能力，缩短与国内一流企业的差距，并最终超越标杆企业。公司目前拥有应用新技术17项，技术水平均处于国内领先，推行精益生产、成组技术和柔性生产：在北京起重机研究院的辅导下，对起重机端梁自动柔性流水线项目改进，首创起重机生产建设标准化柔性焊接组装生

产车间，改变起重机生产落后的零散生产、人工作业的生产模式，从培养和提高员工精细工作素质和工作作风抓起，实现从下料工序到焊接、机加工、组装成品实现流水线精细作业，使端梁产量提高 60%，产品质量的稳定性得到显著提升。

Aiming at the advanced technology of benchmarking enterprises, the company actively introduces and adopts advanced technologies and standards, continuously improves scientific research and development capabilities, shortens the gap with domestic first-class enterprises, and eventually surpasses benchmarking enterprises. The company currently has 17 applied new technologies, and its technical level is in the leading position in China. It implements lean production, group technology and flexible production: under the guidance of Beijing Crane Research Institute, it improved the automatic flexible assembly line project of crane end beams, and pioneered the production and construction of cranes. The standardized flexible welding assembly production workshop changes the production mode of scattered production and manual work that is backward in the production of cranes, and starts from cultivating and improving the quality and work style of employees to realize the realization of finished products from the blanking process to welding, machining, and assembly. The precise operation of the assembly line has increased the output of end beams by 60%, and the stability of product quality has been significantly improved.



定梁龙门移动式加工中心

定梁龙门移动式加工中心是集机、电、液等先进技术于一体的机械加工设备，主要用于重型、超重型基础零件的加工，特别适用于零件本身重量大，工件长度较长的黑色金属和有色金属的各种平面、曲面、空间曲面和孔的数控加工。

整机具有高刚性的框架结构设计，因此不仅具有强力切削的能力，同时又能满足精密零件的加工。

Fixed beam gantry mobile machining center

The fixed-beam gantry mobile machining center is a mechanical processing equipment integrating advanced technologies such as machinery, electricity, and hydraulics. It is mainly used for the processing of heavy and super-heavy basic parts, especially for black parts with heavy weight and long workpiece length. CNC machining of various planes, curved surfaces, space curved surfaces and holes of metal and non-ferrous metals.

The whole machine has a high-rigidity frame structure design, so it not only has the ability of strong cutting, but also can meet the processing of precision parts.



大型落地镗床

数控落地铣镗床是采用当代机械、电气、液压等新技术，用途广泛的重型金属切削机床。此机床具有扭矩大，转速范围宽等特点。适用不同材质不同尺寸的刀具，对不同材质不同尺寸的工件进行重切削和精加工。

滑枕移动式落地铣镗床有自由伸出的镗轴，保留了落地镗床的全部功能，机床不仅能实现大直径及大平面的重切削，而且能加工很多工件的内腔、内腔侧面、内腔孔及大端面止口。采用数控四轴联动技术可完成空间位置面加工及曲面外轮廓的加工。

Large floor boring machine

The CNC floor milling and boring machine is a heavy-duty metal cutting machine tool with a wide range of uses using new technologies such as contemporary machinery, electricity, and hydraulic pressure. This machine tool has the characteristics of large torque and wide speed range. It is suitable for cutting tools of different materials and sizes, and performs heavy cutting and finishing on workpieces of different materials and sizes.

The ram mobile floor milling and boring machine has a freely protruding boring shaft, which retains all the functions of the floor boring machine. The machine tool can not only realize heavy cutting of large diameter and large plane, but also can process the inner cavity, inner cavity side, inner cavity of many workpieces. Cavity and large end face spigot. The CNC four-axis linkage technology can complete the processing of the spatial position surface and the processing of the outer contour of the curved surface.

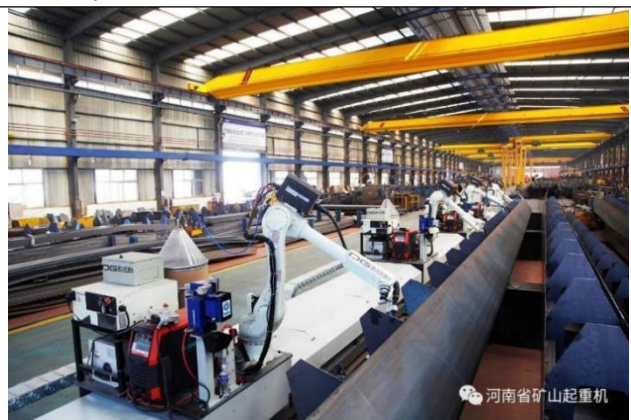


双梁主梁内缝机器人焊接工作站

本工作站主要用于实现双梁主梁内缝的自动焊接，人工上料横纵基本对中后，通过 L 臂液压翻转机进行工件 $\pm 90^\circ$ 翻转，机器人自动寻位焊接。机器人焊接工艺，大幅提升了焊缝质量，提升起重机结构件焊接的效能，尤其是在内焊缝的焊接上表现出较大的优势。传统手工焊接需要工人钻进到工件内部施焊，烟雾、粉尘、强光、高温下的极端恶劣环境，严重危害着操作者的身体健康，而采用机器人焊接则完全避免了此类问题。

Double girder main girder inner seam robot welding workstation

This workstation is mainly used to realize the automatic welding of the inner seam of the main girder of the double girder. After the manual feeding is basically centered in the horizontal and vertical directions, the workpiece is turned $\pm 90^\circ$ by the L-arm hydraulic turning machine, and the robot automatically seeks the welding position. The robot welding process has greatly improved the quality of the welds and improved the efficiency of the welding of crane structural parts, especially the welding of the inner welds has shown great advantages. Traditional manual welding requires workers to drill into the interior of the workpiece to perform welding. The extremely harsh environment of smoke, dust, strong light, and high temperature seriously endangers the health of the operator. Robot welding completely avoids such problems.



全自动无人化单梁起重机主梁内缝机器人焊接流水线

目前我公司是起重机行业唯一一家大范围采用机器人焊接的公司，改变传统的人工焊接的制作工艺，有效的控制和提高焊接质量，大大的降低了工人的劳动强度，是智能化工厂的领军企业。此条焊接流水线长度 25 米，安装有四台日本

川崎焊接机器人，可焊接公司标准产品 10.5m—22.5m 各种规格单梁内缝，焊接范围包括筋板底部、侧面、板条等一次性焊接完成。此焊接流水线设计阶段通过三维模拟技术，预先对工件焊达率进行了仿真计算。长度 10.5 米至 22.5 米的单梁产品，无论规格大小均可焊接，长度方向各种尺寸设备均能适应，四台机器人根据工件长度通过激光器自动寻找筋板并自动分配工作量。结合一系列高精尖技术及公司多年起重机和自动化方面的设计、制造经验，产品自动定位、机器人自动寻找筋板、自动识别焊缝起始位置并在焊接过程中通过电弧跟踪技术实时纠偏。焊接过程中自动清枪、剪丝、喷润滑油，防止保护嘴内部飞溅过大影响焊接。

Fully automatic unmanned single-girder crane main girder inner seam robot welding line

At present, our company is the only company in the crane industry that adopts robot welding on a large scale. It changes the traditional manual welding production process, effectively controls and improves the welding quality, and greatly reduces the labor intensity of workers. It is a leader in intelligent factories. This welding line has a length of 25 meters and is equipped with four Japanese Kawasaki welding robots. It can weld the company's standard products from 10.5m to 22.5m. Finish. In the design phase of the welding line, three-dimensional simulation technology was used to simulate and calculate the welding arrival rate of the workpiece in advance. Single-beam products with a length of 10.5 meters to 22.5 meters can be welded regardless of size, and equipment of various sizes in the length direction can be adapted. Four robots automatically search for ribs and automatically allocate workload according to the length of the workpiece through lasers. Combining a series of advanced technologies and the company's many years of crane and automation design and manufacturing experience, the product is automatically positioned, the robot automatically finds the rib plate, automatically identifies the starting position of the weld, and corrects the deviation in real time through the arc tracking technology during the welding process. During the welding process, the torch is automatically cleaned, the wire is cut, and the lubricating oil is sprayed to prevent the excessive splash inside the protective nozzle from affecting the welding.



单梁主梁内缝焊接机器人

Single girder main girder inner seam welding robot



单梁端梁焊接机器人

Single beam end beam welding robot



新型端梁焊接机器人 New end beam welding robot



六轴关节式机器人 Six-axis articulated robot



自动上下料机器人 Automatic loading and unloading robot



电动葫芦卷筒外罩机器人 Electric hoist reel cover robot



U型槽一次成型生产线 U-groove one-time forming production line



等离子数控切割
Plasma CNC cutting



箱式电阻炉 Box resistance furnace



井式调质炉 Well type tempering furnace

我公司具有 260KW 箱式电阻炉和井式调质炉设备，适用于焊接部件（如：小车架、卷筒、台车架、平衡梁等主要部件）的退火热处理，以减小或消除焊接时产生的内应力，可容纳工件最大尺寸 5000mm×5000mm。

Our company has 260KW box-type resistance furnace and well-type quenching and tempering furnace equipment, which are suitable for annealing heat treatment of welding parts (such as main parts such as trolley frames, reels, trolley frames, and balance beams) to reduce or eliminate welding The internal stress generated at the time can accommodate the maximum size of the workpiece 5000mm×5000mm.

五、检验手段齐全，科学先进 Complete inspection means, advanced science

国家级实验室（起重机关键技术合作共建实验室） National Laboratory (Crane Key Technology Co-construction Laboratory)

起重机关键技术合作共建实验室成立于 2020 年 7 月，由河南省特种设备安全检测研究院（以下简称“省特检院”）与河南省矿山起重机械有限公司（以下简称“河南矿山”）合作共建。

The Crane Key Technology

Cooperation and Co-construction Laboratory was established in July 2020. It is a cooperation between Henan Special Equipment Safety Inspection Institute



(hereinafter referred to as "Provincial Special Inspection Institute") and Henan Mine Crane Co., Ltd. (hereinafter referred to as "Henan Mine") Build together.

该实验室是长垣市“院企合作”的典范，以长垣起重园区的国家桥架类及轻小型起重机械质量监督检验中心为依托，拥有员工 44 名，研究生学历占比 23.2%，工程师及以上技术职称人员占比 84.6%，拥有各类检验检测仪器和试验设备 100 余台，部分达到国内领先、国际先进水平。

The laboratory is a model of "institution-enterprise cooperation" in Changyuan City. It is based on the National Bridge and Light and Small Lifting Machinery Quality Supervision and Inspection Center in Changyuan Crane Park. It has 44 employees, and 23.2% of them have postgraduate degrees. Engineers and above technical titles account for 84.6%, and there are more than 100 sets of various inspection and testing instruments and test equipment, some of which have reached domestic leading and international advanced levels.

省特检院和河南矿山发挥院企资源优势，通过不断强化关键共性技术攻关和集成应用示范，完成战略性前沿技术的超前布局和大数据的共享，在资源共享、科研创新、技术服务、产品出口、质量提升等深度合作，实现“院企人才共享、设备共享、技术共享，院企文化互补、管理互通”新突破，共同助推起重产业高质量发展。

The Provincial Special Inspection Institute and Henan Mining Industry Co., Ltd. have given full play to the resource advantages of the institutes and enterprises, and completed the advanced layout of strategic cutting-edge technologies and the sharing of big data through continuous strengthening of key common technology

breakthroughs and integrated application demonstrations. In resource sharing, scientific research innovation, technical services, products In-depth cooperation such as export and quality improvement has achieved new breakthroughs in "institution-enterprise talent sharing, equipment sharing, technology sharing, institution-enterprise cultural complementarity, and management interoperability", and jointly promote the high-quality development of the lifting industry.



公司在成熟的 ISO9001 质量管理体系基础上，2019 年 9 月份又取得了国家军用标准的《GJB9001C-2017 武器装备质量管理体系认证证书》，有健全的产品质量保证体系，有完善的质量检验机构和质检人员，并配备有各种相应的质量检验器具。如：国家级实验室，检验材质的理化室，检验焊缝质量的 X 光探伤和超声波探伤，焊缝检查尺，检验硬度的布氏、洛氏硬度计，手提便携式硬度计，检验桥架上拱度、车轮水平高低差的水准仪，检查齿轮加工精度的齿轮综合性能检测仪以及电动葫芦和起重机整机性能测试的试验台以及各种专用检测工具等。

Based on the mature ISO9001 quality management system, the company obtained the national military standard "GJB9001C-2017 Weapon Equipment Quality Management System Certification" in September 2019. It has a sound product quality assurance system, a complete quality inspection agency and Quality inspection personnel, and equipped with a variety of corresponding quality inspection equipment. Such as: national laboratory, physical and chemical room for material inspection, X-ray flaw detection and ultrasonic flaw detection for weld quality inspection, weld inspection ruler, Brinell and Rockwell hardness testers for hardness test, portable hardness tester, and bridge arch inspection Level gauge for degree and wheel level difference, gear comprehensive performance tester for checking gear machining accuracy, test bench for electric hoist and crane performance test, and various special testing tools, etc.



检测仪器室 Testing Instrument Room



激光对中仪 Laser alignment instrument



超声波测厚仪
Ultrasonic Thickness Gauge



高频红外碳硫分析仪
High Frequency Infrared Carbon and Sulfur Analyzer



数显三元素比色分析仪
Digital three-element colorimetric analyzer



金属分析光谱仪
Metal Analysis Spectrometer

六、采用知名品牌的配套产品 Supporting products of well-known brands

公司的配套产品均经过对配套厂的产品质量的检验和验收，保证配套厂的产品质量一流，且代表当前国内外的先进水平，或为名牌厂的产品。例如：钢材的供应厂家均为国内著名的大型钢铁企业产品；电机的配套厂是从十余家生产厂中筛选出来的；电器、制动器和减速器的生

产厂是国内目前大型的专业生产厂。这些配套厂作为我公司的长期合作伙伴，不断的听取和改进我方以及用户对产品质量的有关要求，这是保证产品质量不断提高的一个重要方面。

The company's supporting products have passed the inspection and acceptance of the product quality of the supporting factory to ensure that the product quality of the supporting factory is first-class, and represent the current advanced level at home and abroad, or are products of famous brand factories. For example: the suppliers of steel are all products of domestic famous large-scale iron and steel enterprises; the supporting factories of motors are selected from more than ten manufacturers; the manufacturers of electrical appliances, brakes and reducers are currently large-scale professional manufacturers in China. As long-term partners of our company, these supporting factories constantly listen to and improve the relevant requirements of our company and users on product quality, which is an important aspect to ensure the continuous improvement of product quality.

七、企业制造能力说明 Enterprise Manufacturing Capability Description

在公司不断的发展壮大过程中坚持持续不断的对技术创新、产品转型及信息化建设方面投入大量资金，坚持走以信息化带动工业化，以工业化促进信息化的发展模式，努力提高产品科技含量，降低资源消耗，减少环境污染，充分发挥本地人力资源优势，推进公司实现又好又快高质量发展。具体来说，主要表现在以下几个方面：

In the process of continuous development and growth of the company, we will continue to invest a lot of money in technological innovation, product transformation and information construction, adhere to the development model of

driving industrialization with informationization, and promoting informationization with industrialization, and strive to improve the technological content of products. Reduce resource consumption, reduce environmental pollution, give full play to the advantages of local human resources, and promote the company to achieve sound, fast and high-quality development. Specifically, it is mainly manifested in the following aspects:

(一) 产品设计高端化 High-end product design

公司在产品开发设计过程中，充分利用先进的信息技术，实现产品智能化设计，来完成各类产品的三维建模、动态载荷运算、结构强度分析、工程图生成、数据抓取、零部件建模、产品全面环保评估等功能，全面提升设计效率，保障设计安全。In the process of product development and design, the company makes full use of advanced information technology to realize intelligent product design, and completes 3D modeling, dynamic load calculation, structural strength analysis, engineering drawing generation, data capture, and component building of various products. Model and product comprehensive environmental protection assessment and other functions can comprehensively improve design efficiency and ensure design safety.



业绩介绍
Performance Introduction



智能仓储起重机



简介

2017年我司为山东公司生产的用于无人化冷库仓储用8+8t自动起重机，已正式投入使用。该起重机的成功研发，使的高密度仓储成为可能，可以大大节约土地利用率。如该项目仓储3万吨大蒜，需要15亩土地，传统方式需要100亩土地，并且大大节约冷库的制冷系统成本。该起重机的成功研发不但为农产品的储存、保质、节能帮助巨大，而且该起重机也可以应用于需要智能存储的各种场合。





特点

国内首台应用于农业的自动化仓储起重机，该起重机具备跨度大、运行距离长、高度高、定位点多(1400多)，精度高 $\leq \pm 8\text{mm}$ (吊具处)，并且堆4过5的功能。该机采用变频器+PLC+触摸屏+网络+CMS的控制方式，并且可以和后台的数据库进行对接，和智能终端相连后，可以实时监测储存商品的状态。该机应用了自动定位、电气防摇、远程调试、智能管理等功能。



经典案例介绍
Classic case introduction

»»»» **农产品智能仓储起重机**





冷库概览



自动堆垛

(二) 技术创新常态化 Normalization of technological innovation

公司与国内各大设计院校、单位建立的长期而稳定的全面合作关系，持续对前沿产品的开发设计制造进行技术交流；积极推进产品创新。

The company has established a long-term and stable comprehensive cooperative relationship with major domestic design colleges and units, and continues to conduct technical exchanges on the development, design and manufacture of cutting-edge products; actively promote product innovation.

重点产品
为世界最大的光伏企业生产洁净防爆全自动起重机

公司研发的洁净防爆全自动型起重机首次应用于中能协鑫，为亚洲最大的光伏企业，该企业主要生产半导体级多晶硅，车间要求无尘化设计，空气洁净度等级4级（国标7级）（即每平方米内0.1μm大小的颗粒物不大于10000个），同时该车间存在易燃易爆气体，起重机防爆等级dIIICT4。

整机大量应用了耐磨耐腐蚀材料，配合粉尘收集装置，有效减少了起重机工作时因摩擦产生的粉尘颗粒，提高了生产效率，填补了国内半导体行业起重机应用的空白。

通过研制生产此类型洁净防爆全自动型起重机，我们取得了16项发明专利，是国内唯一一家拿到洁净防爆全自动型起重机生产资质的企业。具备以下先进技术：采用密封防爆驱动机构，免维护润滑型轴承、电机、减速机、制动器、电器监测集一体紧凑型设计。主体结构采用高强度合金钢材制作，转动类、防护类和连接类工件采用不锈钢制成。

智能操作

全自动无人化操作、防摇摆自动精准定位、自动挂钩卸钩等功能，利用电子激光读取条形定位编码，定位精度可达到毫米以下单位，使得工作范围内任何一处工位都能达到精准定位。同时配有故障自动报警、自动检测故障起因、部件寿命设定报警等人性化功能。


宝钢集团系列产品

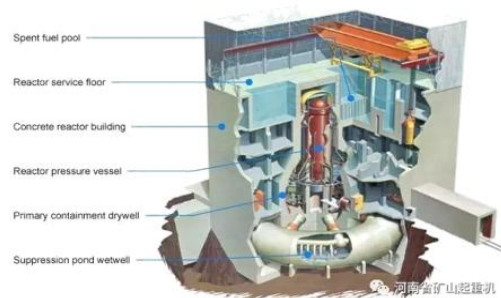
河南矿山承制了宝钢集团湛江项目71台套起重设备。其中轧后库和成品库区的15台起重机全部采用无人化操作的新技术，不仅可实现起重机三维定位、自动装卸等各执行机构的功能控制，同时河南矿山的无人化起重机还是宝钢WMS（库管系统）的重要组成部分。



工业企业质量标杆企业 | 河南省省长质量奖获奖企业

核电站专用起重机

为中核404有限公司核电维修工厂设计制造的核电起重机。



该核电起重机涵盖了单一故障保护设计、抗震设计（八级）和传动链检测等技术，起升机构采用特殊钢丝绳缠绕系统，保证了载荷在2根钢丝绳之间的均衡分配，当任意一根钢丝绳出现断裂时，吊钩滑轮组仍能保持平衡。

(三) 生产设备数字化 Digitization of production equipment

公司持续不断的加大先进设备投入，截止目前为止拥有行业内领先的无焊缝盖板、无焊缝 U 型槽一次成型及纵剪生产线、钢材预处理生产线、V 法铸钢生产线、开卷校平生产线、等离子数控切割、大型落地镗床、数据插齿机、立式加工中心、热处理淬火机床等各类高精尖加工设备 1800 余台套，能独立完成车、铣、刨、磨、拉、镗、滚、钻、冲压、切割、折弯、卷板、铆焊、化验及热处理等全部工艺流程；并且实现了生产加工过程中的自适应控制、工艺参数自动生成、前馈控制、智能化自动编程、智能诊断、智能监控、开放式数控系统、网络化数控装备以及 STEP-NC 等。先进的数字化技术制造装备、数字化技术，不仅极大的增强了产品的可靠性和安全系数，提高产品科技含量，并且在降低资源消耗、环境污染方面的能力也显著提高。

The company continues to increase investment in advanced equipment. Up to now, it has the industry's leading non-welded cover plate, non-welded U-shaped groove one-time forming and slitting production line, steel pretreatment production line, V-method cast steel production line, uncoiling calibration There are more than 1,800 sets of high-precision processing equipment such as flat production line, plasma CNC cutting, large-scale floor boring machine, data shaper machine, vertical machining center, heat treatment and quenching machine tool, which can independently complete turning, milling, planing, grinding, pulling, Boring, rolling, drilling, stamping, cutting, bending, coiling, riveting, testing and heat treatment, etc.; and realizes adaptive control, automatic generation of process parameters, feedforward control, and intelligitization in the production and processing process. Automatic programming, intelligent diagnosis, intelligent monitoring, open CNC

system, networked CNC equipment and STEP-NC, etc. Advanced digital technology manufacturing equipment and digital technology not only greatly enhance the reliability and safety factor of products, improve the technological content of products, but also significantly improve the ability to reduce resource consumption and environmental pollution.

技术创新 转型升级
 Technological innovation, Transformation and upgrading



新型起重机

公司在扩大原有单梁、双梁起重机等产品生产规模的同时，加大对模块化、智能型、节能环保起重机等新产品的研发生产。



绿色环保



远程管理



维修方便

- 模块化、低能耗，绿色制造
- 结构紧凑，节省空间，降低基建成本
- 新材料、免维护
- 速度匹配恰当、控制方案先进、装机容量合理
- 远程管理、防摇摆、全自动控制



传统起重机



新型起重机



自重减轻
20%~30%



最大轮压减少
20%~35%



能耗降低
15%

工业企业质量标杆企业 | 河南省省长质量奖获奖企业

技术创新 转型升级
 Technological innovation, Transformation and upgrading



新型起重机 | 防摇摆

普通起重机在工作时，随着大、小车的运行吊具会发生晃动，电气减摇摆对机械结构没有影响，减摆率可达到90%以上，可做到2个摆动周期内摆动幅度小于30mm，如配合起重机定位摆动小于5mm，其调节原理如下：



```

                    graph TD
                        A[高度位置编码器] --> B[防摆数学模型]
                        B --> C[变频器]
                        D[操作器] --> C
                        C --> E[大小车电机]
                    
```

稳：有效减少物料摇摆
 快：重载低速，轻载高速
 准：实现精确定位
 省：降低厂房高度，减少维修成本



未开防摆



开防摆

工业企业质量标杆企业 | 河南省省长质量奖获奖企业

说明：以上公司技术实力说明仅作为产品推广宣传使用，并不代表在本投标文件所采用的技术方案中采用了以上技术，如果用户在起重机采购时有产品高端化的需求，欢迎与我公司联系垂询！我公司将热诚期盼为您订做性价比高的产品。

Note: The above description of the company's technical strength is only used for product promotion and publicity, and does not mean that the above technologies are adopted in the technical scheme adopted in this bidding document. If the user has a demand for high-end products when purchasing cranes, please contact our company Inquire! Our company will sincerely look forward to custom-made cost-effective products for you.

三、资质证书 Certifications

1、营业执照 (三证合一) Business license (three certificates in one)

统一社会信用代码
914107287425452612



营业执照

(副本) (1-10)

扫描二维码登录
“国家企业信用信息公示系统”
了解更多登记、备案、许可、监管信息。



注册 资本 壹拾壹亿柒仟柒佰万圆整

名称 河南省矿山起重机械有限公司

类型 有限责任公司(自然人投资或控股)

法定代表人 崔培军

经营范围 许可项目：特种设备制造，特种设备设计，特种设备安装改造修理，电机、电缆制造（依法须经批准的项目，经相关部门批准后方可开展经营活动，具体经营项目以相关部门批准文件或许可证件为准）
一般项目：特种设备销售，物料搬运装备制造，物料搬运设备销售，智能物料搬运装备销售，智能港口装卸设备销售，特种设备出租，电机制造，机械电气设备制造，电机及其控制系统研发，齿轮及齿轮减速、变速箱制造，齿轮及齿轮减、变速箱销售，轴承、齿轮和传动部件制造，轴承、齿轮和传动部件销售，通用设备制造（不含特种设备制造），通用零部件制造，电机、电缆经营，黑色金属铸造，钢压延加工，铸件及粉末冶金制品制造，锻件及粉末冶金制品销售，软件开发，软件销售，货物进出口，技术进出口，劳务服务（不含劳务派遣），技术服务、技术开发、技术咨询、技术交流、技术转让、技术推广（除依法须经批准的项目外，凭营业执照依法自主开展经营活动）

成立日期 2002年09月30日

住所 长垣市长脑工业区矿山路与纬三路交汇处

登记机关 2024年 04月 01日



国家企业信用信息公示系统网址：
<http://www.gsxt.gov.cn>

市场主体应当于每年1月1日至6月30日通过
国家企业信用信息公示系统报送公示年度报告

国家市场监督管理总局监制

2、特种设备生产许可证 Special equipment production license

		副本	
中华人民共和国 特种设备生产许可证 Production License of Special Equipment People's Republic of China			
编号： TS2410461-2028			
单位名称： 河南省矿山起重机有限公司			
住 所： 河南省长垣市长恼工业区矿山路与纬三路交汇处			
制造地址： 河南省长垣市长恼工业区矿山路与纬三路交汇处			
经审查，获准从事以下特种设备生产活动：			
许可项目	许可子项目	许可参数	备注
起重机械制造（含安装、修理、改造）	桥式、门式起重机（A）	—	覆盖B级；具体产品范围见型式试验证书
仅供查看，再复印无效			
发证机关： 国家市场监督管理总局			
有效期至： 2028年06月19日			

3、安全生产许可证 Safety production license



4、建筑业企业资质证书 Construction industry enterprise qualification certificate



建筑业企业资质证书
(副本)

企业名称: 河南省矿山起重机有限公司
详细地址: 长垣市长恼工业区矿山路与纬三路交汇处
统一社会信用代码 (或营业执照注册号): 914107287425452612 **法定代表人:** 崔培军
注册资本: 117700万元人民币 **经济性质:** 有限责任公司 (自然人投资或控股)
证书编号: D441103258 **有效期:** 至2029年03月11日
资质类别及等级: 起重设备安装工程专业承包贰级


发证机关: 2024年03月11日
中华人民共和国住房和城乡建设部制



全国建筑市场监管公共服务平台查询网址: <http://jzsc.mohurd.gov.cn> NO.DF 22853338

5、基本存款账户信息及金融许可证 Basic deposit account information and financial license

010835
279657

基本存款账户信息

账户名称: 河南省矿山起重机有限公司

账户号码: 16406501040000553

开户银行: 中国农业银行股份有限公司长垣矿山支行

法定代表人:
(单位负责人) 崔培军

基本存款账户编号: J4986000000905

2021年02月04日





中华人民共和国 金融许可证

机构名称：中国农业银行股份有限公司长垣矿山支行

许可该机构经营中国银行业监督管理委员会依照有关法律、行政法规和其他规定批准的业务，经营范围以批准文件所列的为准。

批准成立日期：2002年08月23日

住所：河南省长垣市蒲东区龙山街南街02号

机构编码：B0002S341070052

发证机关：中国银行保险监督管理委员会新乡监管分局 2020

№ 00700091



6、信用等级证书 AAA 级 Credit rating certificate AAA level



7、海关注册证书 Customs registration certificate

QG07

中华人民共和国海关 报关单位注册登记证书

海关注册编码: 4107960140
组织机构代码: 742545261

企业名称: 河南省矿山起重机械有限公司

企业住所: 长垣县长恼工业区矿山路与纬三路交汇处

企业经营类别: 进出口收发货人
注册登记日期: 20031023
法定代表人: 崔培军
有效期:



重要提示
报关单位应当每年6月30日前向海关报送《报关单位信息年度报告》, 海关不另行通知。

仅供查看, 再复印无效

中华人民共和国海关总署监制

8、对外贸易经营者备案登记表 Registration Form for Foreign Trade Operators

对外贸易经营者备案登记表

备案登记表编号: **03010488** 统一社会信用代码: **914107287425452612**
 进出口企业代码: _____

经营者中文名称	河南省矿山起重机有限公司		
经营者英文名称	HENAN KUANGSHAN CRANE CO.,LTD.		
组织机构代码	_____	经营者类型 (由备案登记机关填写)	有限责任公司
住 所	长垣市长恼工业区矿山路与纬三路交汇处		
经营场所 (中文)	长垣市长恼工业区矿山路与纬三路交汇处		
经营场所 (英文)	INTERSECTION OF KUANGSHAN ROAD AND WEISAN ROAD, CHANGNAO INDUSTRY PARK, CHANGYUAN CITY		
联系电话	0373-8735669	联系传真	0373-8735333
邮政编码	453423	电子邮箱	hkzongheban@163.com
工商登记注册日期	2002-9-30	工商登记注册号	_____

依法办理工商登记的企业还须填写以下内容

企业法定代表人姓名	崔培军	有效证件号	140221196501193017
注册资金	壹拾壹亿柒仟柒佰万元		(折美元)

依法办理工商登记的外国(地区)企业或个体工商户(独资经营者)还须填写以下内容

企业法定代表人/ 个体工商户负责人姓名	有效证件号	
企业资产/个人财产		(折美元)

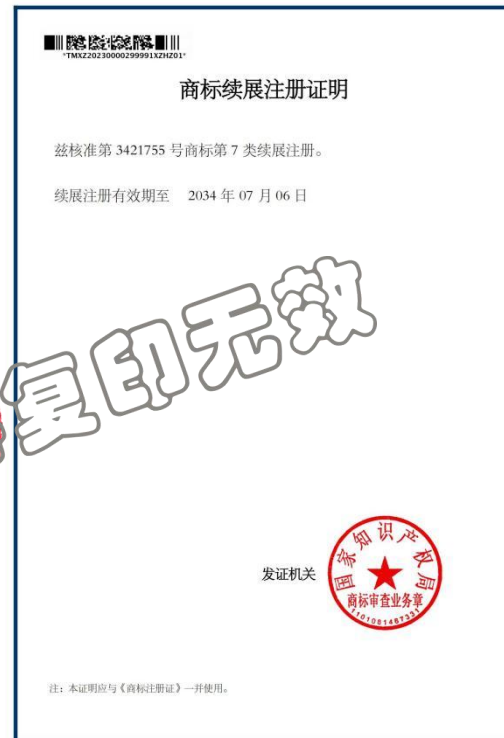
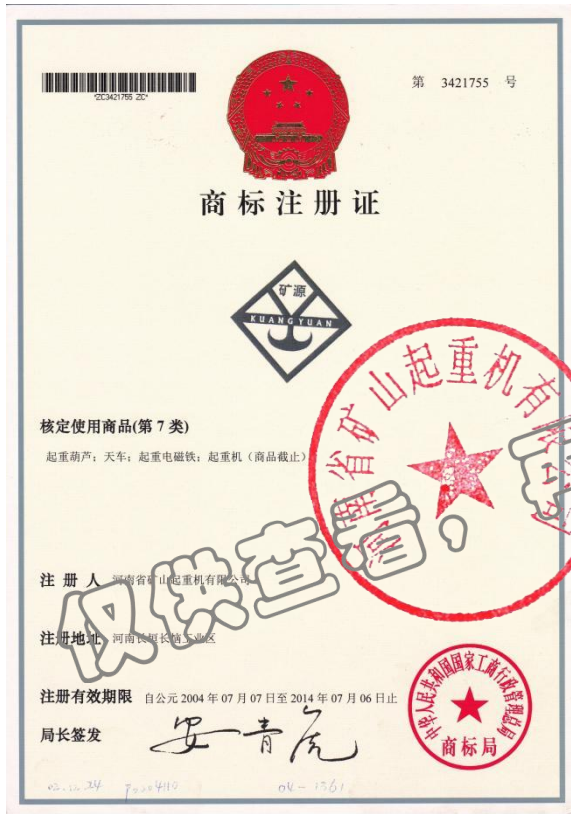
备注	
----	--

填表前请认真阅读背面的条款,并由企业法定代表人或个体工商户负责人签字、盖章。



2020

9、商标注册证 Trademark registration certificate



四、认证证书 Certificate

1、质量、环境、职业安全健康管理体系认证 Quality, environment, occupational safety and health management system certification





Environmental Management System Certificate

Certificate Number:00225E32318R6L

CQM hereby certifies that

Henan Mine Crane Co., Ltd.

Unified Social Credit Identifier: 914107287425452612

Domicile: Intersection of Kuangshan Road and Weisan Road, Changnao Industry Park, Changyuan City, Henan, P.R. China
 Certification Add.: Intersection of Kuangshan Road and Weisan Road, Changnao Industry Park, Changyuan City, Henan, P.R. China

the management system conform to
GB/T 24001-2016/ISO 14001:2015

This certificate is valid to the following scope:

Design, development, manufacture, sales, installation, modification, repair and after-sales service of bridge crane, door crane, electric wire rope hoists, portal crane and relevant management activities

仅供查看，否则无效

(The information of this certificate can be inquired on www.cnca.gov.cn or website of CQM. The continual validity of the certificate can be checked by Certificate Confirmation of surveillance.)

Issued on: 2025-06-25
 Expires on: 2028-07-04
 Reissue on: 2025-11-13

签发人: _____



中国认可
 国际互认
 管理体系
 MANAGEMENT SYSTEM
 CNAS C002-M



Member of
 IQNET

方圆标志认证集团
 China Quality Mark Certification Group

CHINA
 QUALITY MARK

北京市海淀区增光路33号 电话: 010-88411888 网站: http://www.cqm.com.cn
 Address: No.33, Zengguang Road, Haidian District, Beijing, P.R. China

AA 0176889



China Quality Mark
Occupational Health and Safety Management System Certificate

Certificate Number:00225S22190R6L

CQM hereby certifies that

Henan Mine Crane Co., Ltd.

Unified Social Credit Identifier: 914107287425452612

Domicile:Intersection of Kuangshan Road and Weisan Road,Changnao Industry Park, Changyuan City, Henan, P.R. China
Certification Add.:Intersection of Kuangshan Road and Weisan Road,Changnao Industry Park, Changyuan City, Henan, P.R. China

the management system conform to
GB/T 45001-2020/ISO 45001:2018

This certificate is valid to the following scope:

Design, development, manufacture,sales,installation, modification, repair and after-sales service of bridge crane, door crane, electric wire rope hoists,portal crane and relevant management activities

仅供查看，其他均无效

(The information of this certificate can be inquired on www.cnca.gov.cn or website of CQM. The continual validity of the certificate can be checked by Certificate Confirmation of surveillance.)

Issued on: 2025-06-25
Expires on: 2028-07-04
Reissue on: 2025-11-13

签发人: _____



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C002-M



Member of



方圆标志认证集团

China Quality Mark Certification Group

CHINA
QUALITY MARK

北京经济技术开发区景泰路33号 电话:82411588 网站: <http://www.cqm.com.cn>
Address:No.33, Zengguang Road, Haidian 520001, Beijing, P.R. China

AA 0176891

2、商品售后服务评价认证证书 Commodity after-sales service evaluation certificate



3、武器装备质量管理体系认证证书 Armament quantity management system certification certificate



BTCC-GJB

北京天一正认证中心有限公司

(本公司位于北京市西城区北礼士路98号、甲98号1幢五层506室)

武器装备质量管理体系认证证书

注册号: 02625J31871R2M

兹证明

河南省矿山起重机有限公司

统一社会信用代码: 914107287425452612

注册地址: 河南省长垣市长恼工业区矿山路与纬三路交汇处
经营地址: 河南省长垣市长恼工业区矿山路与纬三路交汇处

质量管理体系符合标准

GJB 9001C-2017 标准

质量管理体系认证所覆盖的范围

桥式起重机和门式起重机(含钢丝绳电动葫芦)的设计开发、制造、安装和售后服务(需资质许可的凭证经营)。

证书生效日期: 2025年09月08日 证书有效期至: 2028年09月16日
初次颁证日期: 2019年09月17日

再复印无效

签发人: 

北京天一正认证中心有限公司
(盖章)
证书专用章
1101020165856



军标认证



注:在证书有效期内,获证组织需按规定接受年度监督审核,保持认证资格。通过扫描证书二维码可获知证书的有效状态。
本证书信息还可在北京天一正认证中心有限公司官方网站(www.btcc.com.cn)上查询。

J005518

4、知识产权管理体系认证证书 Intellectual property management system certification certificate



5、测量管理体系认证证书 Measurement management system certification certificate



测量管理体系认证（AAA）证书 附件

MEASUREMENT MANAGEMENT SYSTEM(AAA) CERTIFICATE ATTACHMENT

证书号：ISC-2022-1319

认证范围：桥式起重机、门式起重机、钢丝绳电动葫芦的设计、
开发、制造、销售和售后服务。

仅供查看，再复印无效

签发人： 

认证机构：北京国标联合认证有限公司



地址：北京市朝阳区北苑路168号1号楼16层1603 电话：(+86 10) 8225 2376 www.china-isc.org.cn

五、荣誉证书 Certificate of honor

1、国家级荣誉 National honor

1) 中国驰名商标 China's well-known trademark



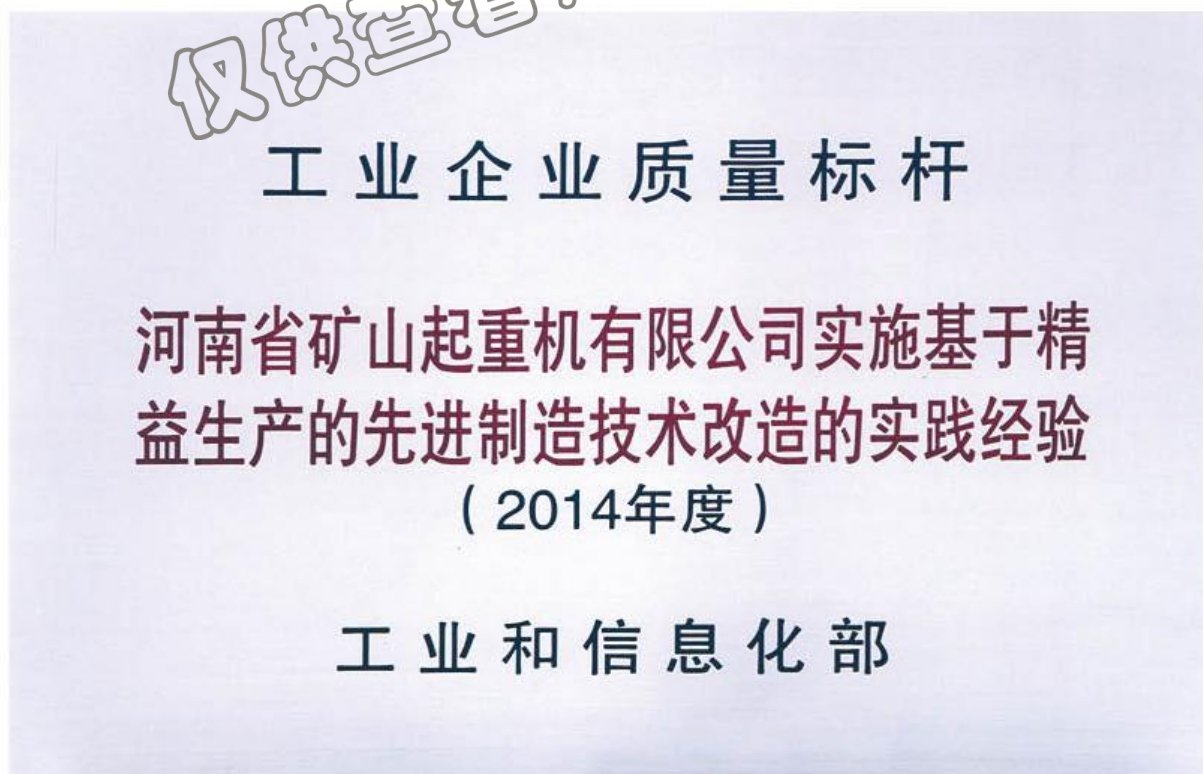
2) 中国工业大奖提名奖 China Industry Award nomination Award



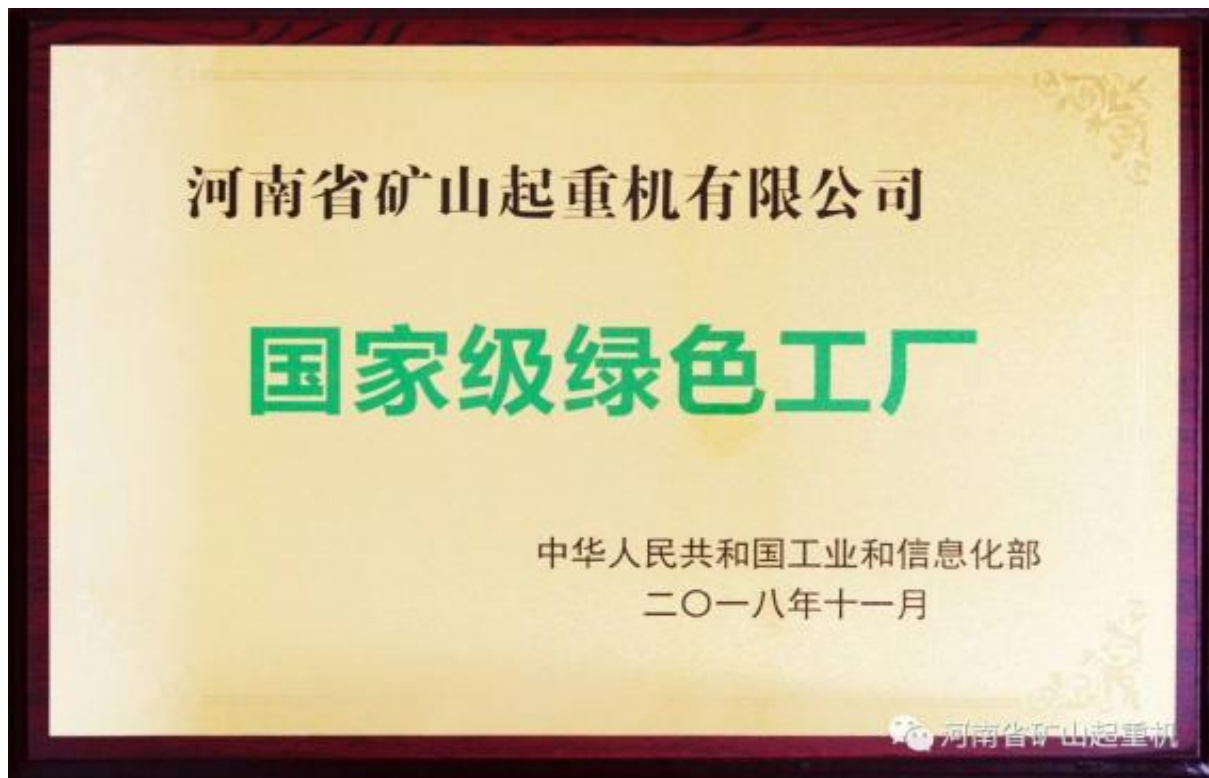
3) 全国质量标杆 National quality benchmark



4) 工业企业质量标杆 Industrial enterprise quality benchmark



5) 国家级绿色工厂 National green factory



6) 科技创新标兵企业 A pacesetter enterprise in scientific and technological innovation



7) “守合同重信用”企业公示证明"Abide by the contract and credit" enterprise public certification



8) 单项冠军证书 Individual champion certificate



9) 企业信用评价 AAA 级信用企业 Enterprise credit evaluation AAA grade credit enterprise



企业信用等级证书

CERTIFICATE OF ENTERPRISE CREDIT GRADE

河南省矿山起重机有限公司

中国重型机械工业协会对河南省矿山起重机有限公司的信用状况进行了评定，结果为AAA。
评级时间：2020年9月。特发此证。

This is to certify that Henan Mine Crane Co.,Ltd is rated as AAA credit grade by China Heavy Machinery Industry Association.
Evaluation time: September, 2020

证书编号：202030111100008
Certificate Number

颁发日期：2020年9月23日
Date of Issue

有效期至：2023年9月22日
Date of Expiry

查询网址：www.chmia.org www.bcp12312.org.cn
Enquiring Website



证书说明：
Notes:

- 1、企业信用等级自评定之日起有效期为三年。
The enterprise credit grade is valid for 3 years starting from the date of issue.
- 2、企业信用等级实行复审制度，有效期内，每年复审一次。经复审合格的，加盖复审章后可继续使用；信用状况发生变化的，需重新评定信用等级并更换证书。
The credit grade should be re-examined every year in the period of validity.If the credit status has changed,the credit grade should be re-evaluated and the certificate should be changed.
- 3、有效期内企业改变名称的，必须持证到发证单位办理变更手续。
If the enterprise changes name in the period of validity,it shall take the certificate to the issue unit to go through the formalities for the change.
- 4、本证书只证明企业在有效期内的信用状况，不作他用。
The certificate is only used to prove the credit status in the period of validity.
- 5、本证书不得涂改、转借。
Modifications or use by any other person is not allowed.

复审记录：
Re-examination record:



中国重型机械工业协会
China Heavy Machinery Industry Association
北京国富泰信用管理有限公司
China National Credit Information Service Co., Ltd.
(央行企业征信业务经营备案证号：10013)
(国家发改委信用体系建设合作信用机构)



企业信用评价 AAA 级信用企业

ENTERPRISE CREDIT EVALUATION

企业名称：河南省矿山起重机有限公司
Enterprise Name

证书编号：202030111100008
Certificate Number

颁发日期：2020年9月23日
Date of Issue

有效期至：2023年9月22日
Date of Expiry

查询网址：www.chmia.org www.bcp12312.org.cn
Enquiring Website :

中国重型机械工业协会
China Heavy Machinery Industry Association
北京国富泰信用管理有限公司
China National Credit Information Service Co., Ltd.

10) 2018年两化融合管理体系贯标试点企业 The two integration management system implementation pilot enterprises in 2018



11) 2018年制造业“双创”平台试点示范项目 Pilot demonstration project of the "mass entrepreneurship and Innovation" platform in the manufacturing industry was launched in 2018



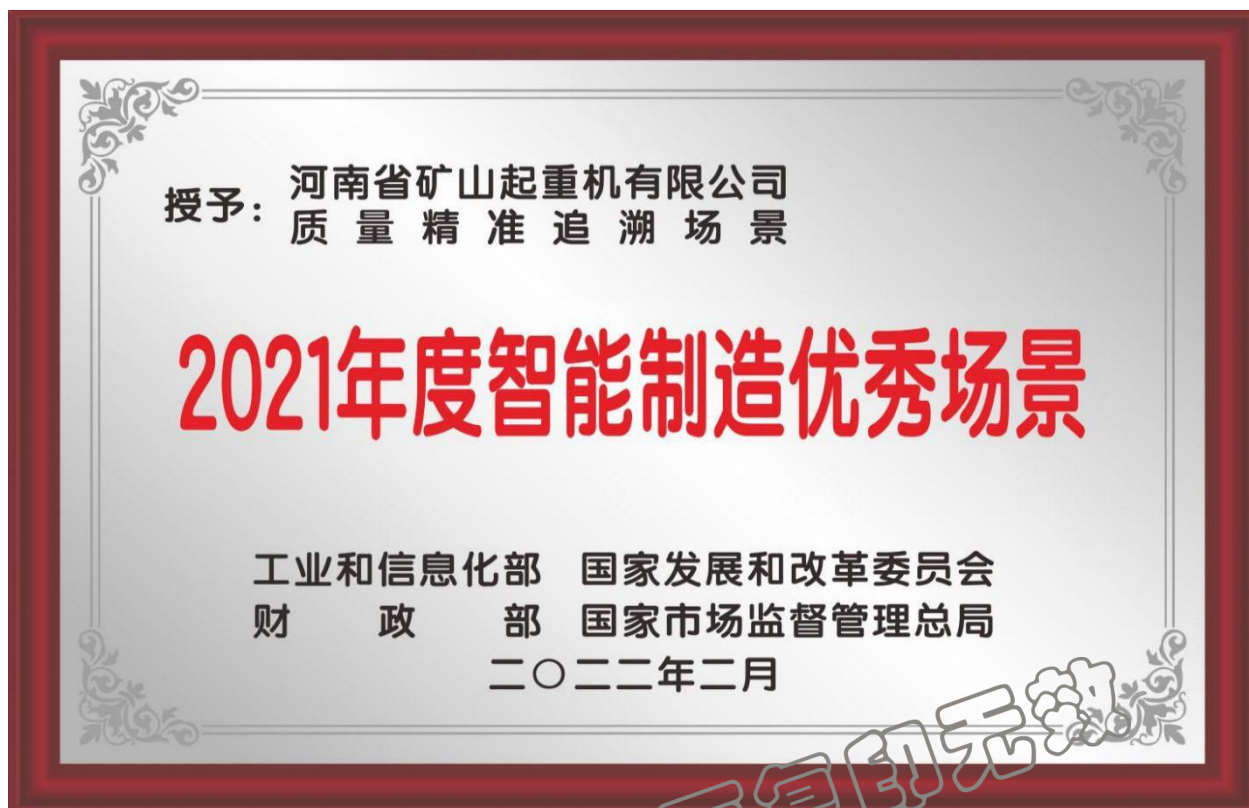
12) 2019 年度制造业与互联网融合发展试点示范项目 Pilot demonstration project of integrated development of manufacturing industry and Internet in 2019



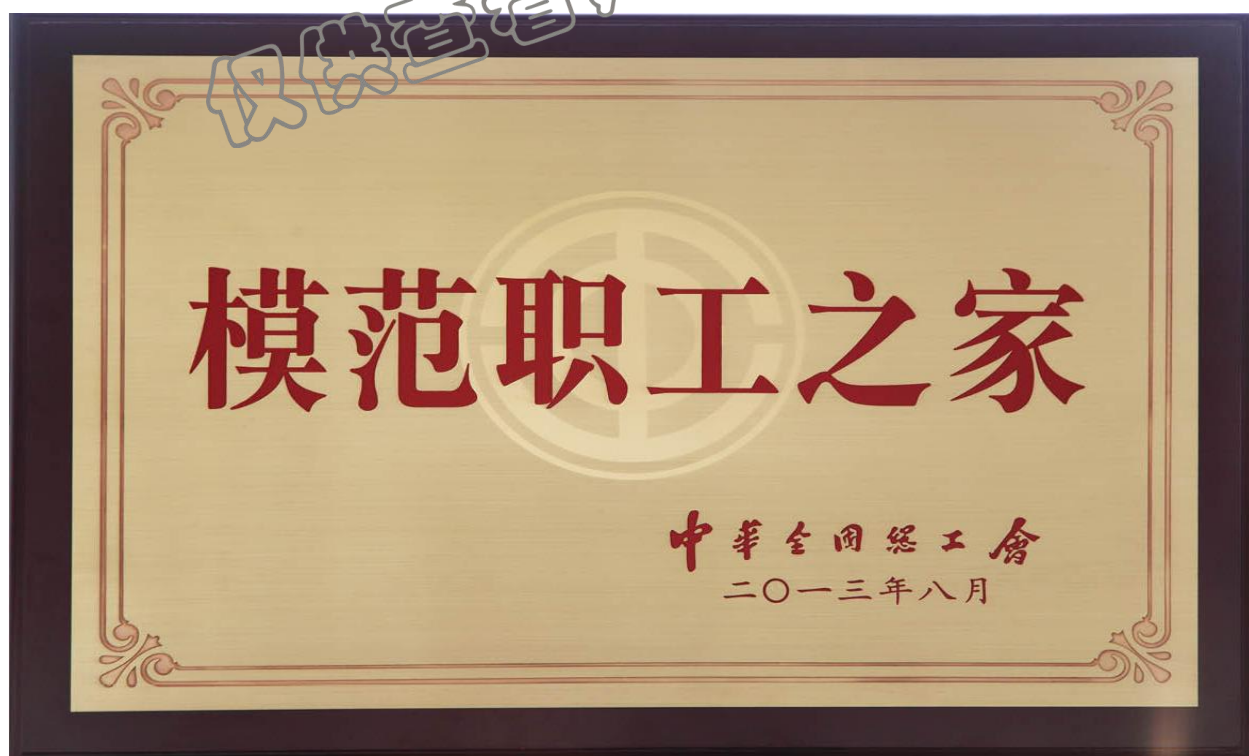
13) 2021 年服务型制造示范平台 Service-oriented manufacturing demonstration platform in 2021



14) 2022 年度智能制造优秀场景 Excellent scene of intelligent manufacturing in
2022



15) 模范职工之家 Home to model workers



16) 中国机械工业名牌产品 China machinery industry famous brand products



2、省级荣誉 Provincial honor

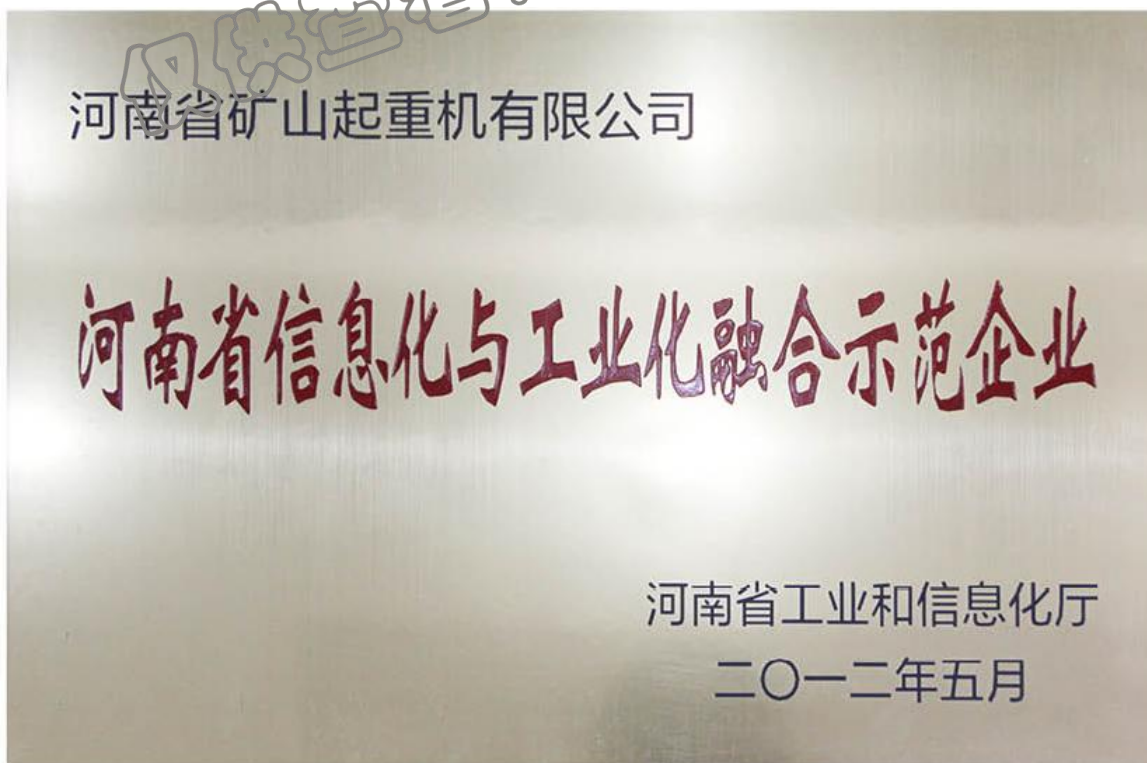
1) 河南省省长质量奖证书 Certificate of Governor Quality Award of Henan Province



2) 高新技术企业 High-tech enterprise



3) 2012年河南省信息化与工业化融合示范企业 Henan Province Informatization and industrialization integration demonstration Enterprise in 2012



4) 2018 第二批服务型制造示范企业 Henan Province Informatization and industrialization integration demonstration Enterprise in 2018



5) 2019年智能工厂 Smart factory in 2019



6) 2020年河南省质量诚信体系建设 AAA级企业奖牌 Henan Province Quality and credit system construction AAA enterprise medal in 2020



7) 2020年河南省质量标杆 Quality benchmark of Henan Province in 2020



六、研发平台 R & D platform

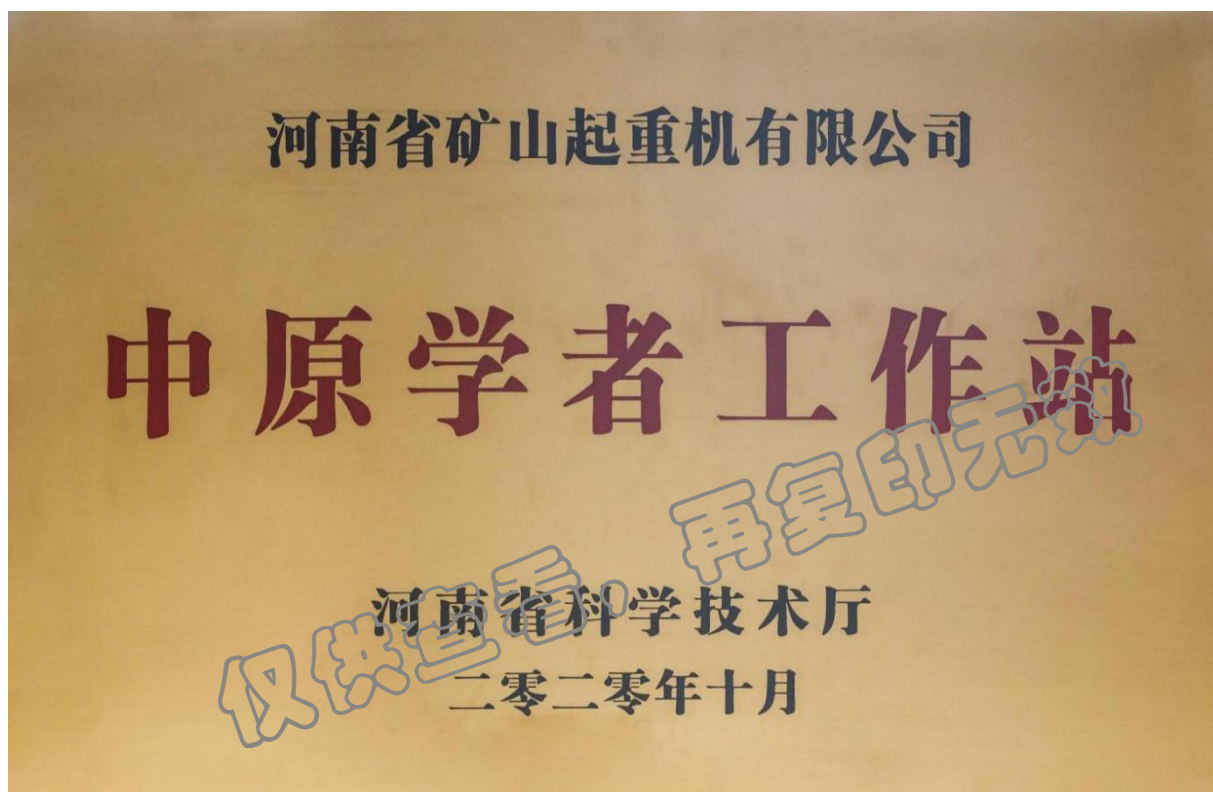
1、国家认定企业技术中心 Nationally recognized enterprise technology center



2、河南省新型研发机构 New R & D institutions in Henan Province



3、中原学者工作站 Zhongyuan Scholars Workstation



4、合作共建实验室 Cooperate to build a laboratory



七、科技奖项 Technology Awards

1、中国专利优秀奖 China Patent Excellence Award



2、河南省科学技术进步奖 Henan Science and Technology Progress Award



3、河南省专利奖证书三等奖 The third prize of Henan Province Patent Award Certificate



河南省专利奖 证书

为表彰河南省专利奖获得者，特颁发此证书。

专利名称：起重机过轨吊及其自动对中系统

专利号：ZL201310087687.2

专利权人：河南省矿山起重机有限公司

发明人/设计人：季玉振 崔培军 任海涛

奖励等级：三等奖



2018年3月28日

证书号：2017-49-S-25-10

4、中国机械工业科学技术奖 China Machinery Industry Science and Technology Award



中国机械工业科学技术奖 证书

为表彰中国机械工业科学技术
奖获得者，特颁发此证书。

项目名称： 起重机车轮复合制造新工艺装备

奖励类别： 技术发明奖

奖励等级： 三等

获奖单位： 河南省矿山起重机有限公司

证书编号： D1904037-01





中国机械工业科学技术奖 证书

为表彰中国机械工业科学技术
奖获得者，特颁发此证书

项目名称： 洁净型防爆双梁起重机研究及应用

奖励类别： 科技进步奖

奖励等级： 三等

获奖单位： 河南省矿山起重机有限公司

证书编号： D2004043-01



八、知识产权 Intellectual property

1、发明专利证书 Invention patent

1) 钢筋笼吊具 Steel cage spreader



2) 一种矿井用桥式起重机小车 A mine bridge crane trolley



3) 齿轮传动机构及使用该传动机构的起重机端梁 Gear transmission mechanism and crane end beam using the transmission mechanism



4) 一种起重机小车及采用该起重机小车的单轨吊车 A crane trolley and a monorail crane using the crane



trolley

5) 一种电动葫芦及其电动小车、小车驱动牵引装置 An electric hoist and its electric trolley, trolley driving traction device



6) 起重机过轨吊及其自动对中系统 Crane over-rail crane and its automatic centering system



7) 有轨式起重机及其运行机构 Rail crane and its operating mechanism

证书号第 1547708 号



发明专利证书

发明名称: 有轨式起重机及其运行机构

发明人: 郑沛;崔培军;任海涛;胡永堂

专利号: ZL 2013 1 0101748.6

专利申请日: 2013 年 03 月 27 日

专利权人: 河南省矿山起重机有限公司

授权公告日: 2014 年 12 月 17 日

本发明经本局依照中华人民共和国专利法进行审查, 决定授予专利权, 颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为二十年, 自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年 03 月 27 日前缴纳。未按照规定缴纳年费的, 专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。



局长
申长雨




第 1 页 (共 1 页)

8) 集电器架及使用该集电器架的桥式起重机 Current collector frame and overhead crane using the current collector frame



9)一种起重机起升装置、起重机滑轮梁及起重机 Crane lifting device, crane pulley beam and crane

证书号第 2342440 号



发明专利证书

发明名称：一种起重机起升装置、起重机滑轮梁及起重机

发明人：申强;胡胜超

专利号：ZL 2014 1 0716769.3

专利申请日：2014年12月02日


专利权人：河南省矿山起重机有限公司

授权公告日：2017年01月11日


本发明经过本局依照中华人民共和国专利法进行审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为二十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年12月02日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。



局长
申长雨



2017年01月11日

第 1 页 (共 1 页)

再复印无效

仅供查看

10) 一种起重机单梁行走轮的压边装置 A blank-holding device for a single-girder traveling wheel of a crane



2、软著登记证书 Soft registration certificate

1) 起重机全生命周期管理系统 Crane Full Life Cycle Management System

中华人民共和国国家版权局
计算机软件著作权登记证书

证书号： 软著登字第5847739号

软件名称： “起重机全生命周期管理系统”软件
[简称： 起重机全生命周期管理系统]
V1.0

著作权人： 河南省矿山起重机有限公司

开发完成日期： 2018年12月15日

首次发表日期： 未发表

权利取得方式： 原始取得

权利范围： 全部权利

登记号： 2020SR0969043

根据《计算机软件保护条例》和《计算机软件著作权登记办法》的规定，经中国版权保护中心审核，对以上事项予以登记。



No. 06280968


2020年08月24日

仅供查看，再复印无效

2、KSQ 单梁起重机有限元参数化分析软件 KSQ Single girder crane finite element parametric analysis software

中华人民共和国国家版权局
计算机软件著作权登记证书

证书号： 软著登字第6395854号

软件名称： KSQ单梁起重机有限元参数化分析软件
[简称：KSQ欧单分析软件]
V1.0

著作权人： 河南省矿山起重机有限公司

开发完成日期： 2020年07月24日

首次发表日期： 未发表

权利取得方式： 原始取得

权利范围： 全部权利

登记号： 2020SR1594882

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No. 06726058



2020年11月17日

3) 起重机电器智能测试平台系统 Crane electrical intelligent test platform system



4) MG 双梁门式起重机有限元参数化分析软件 MG Double Girder Gantry Crane Finite Element Parametric Analysis Software



5) MH 桁架单梁门式起重机有限元参数化分析软件 V1.0 MH Truss Single Girder Gantry
Crane Finite Element Parametric Analysis



6) KSQ 双梁起重机有限元参数化分析软件 V1.0
KSQ Double Girder Crane Finite Element Parametric Analysis Software V1.0



九、优秀供应商证书 Excellent Supplier Certificate

1、中核集团合格供应商证书 CNNC Qualified Supplier Certificate



合格供应商证书

证书编号：CNNC-2300330R3L

河南省矿山起重机有限公司

受中核集团委托，依据其合格供应商评价的有关规定，经评审，贵单位具有向中核集团总部及下属单位提供产品（或服务）的资格。

此证书适用于以下产品（或服务）：

A级400t及以下桥式起重机、A级300t及以下门式起重机的设计、制造；50t及以下钢丝绳电动葫芦、32t及以下防爆钢丝绳电动葫芦的设计、制造。

注册地址：长垣市长岗工业区矿山路与纬三路交汇处



中核战略规划研究总院有限公司
供应商管理支持中心
证书专用章



颁证日期：2023年07月10日

有效期至：2026年07月09日^注

注：在有效期内，供应商每年至少应接受一次监督评审，若监督评审结论合格，资格可顺延一年；若监督评审结论不合格，证书作废。合格供应商证书状态可在www.cnncc.com.cn实时查询。

2、宝钢湛江钢铁有限公司优秀供应商 Baosteel Zhanjiang Iron and Steel Co., Ltd. Excellent Supplier



3、晋钢集团 2016 年度优秀供应商 Excellent supplier of Jingang Group in 2016



十、参与制修订标准清单 Participate in the revision of the standard list

（截止 2021 年已发布标准）
 (Standards have been released as of 2021)

序号 Serial No.	类别 Type	标准名称 Standard name	标准号 Standard No.	发布单位 Issued by
1	国际 标准 Internationality standard	《起重机械 控制装置布置形式和特性 第 5 部分：桥式和门式起重机》"Lifting appliances - Arrangement and characteristics of control devices - Part 5: Bridge and gantry cranes"	ISO 7752-5:2021	ISO 国际标准化组织 ISO International Organization for Standardization
2	国际 标准 Internationality standard	《起重机 供需双方应提供的资料 第 5 部分：桥式和门式起重机》 "Cranes - Information to be provided by both suppliers and buyers - Part 5: Bridge and Gantry Cranes"	ISO 9374-5:2021	ISO 国际标准化组织 ISO International Organization for Standardization
3	国际 标准 Internationality standard	《起重机 工作和非工作状态下的锚定装置》 "Cranes - Anchoring devices in working and non-working conditions"	ISO 12210: 2021	ISO 国际标准化组织 ISO International Organization for Standardization
4	国家 标准 Nation standard	《起重机 控制装置布置形式和特性 第 1 部分：总则》 "Crane control gear arrangement and characteristics - Part 1: General principles"	GB/T 24817.1-2016 /ISO 7752-1:2010	中华人民共和国国家质量监督检验检疫总局、中国国家标准化管理委员会 General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China, Standardization Administration of China

5	国家 标准 Nation standard	《起重机和葫芦钢 丝绳、卷筒和滑轮的选择》 Selection of Ropes, Drums and Pulleys for Cranes and Hoists	GB/T 34529-2017 /ISO 16625:2013	中华人民共和国国家质量 监督检验检疫总局、中国国 家标准化管理委员会 General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China, Standardization Administration of China
6	国家 标准 Nation standard	《起重机载荷和载 荷组合设计原则第 1 部分：总则》 Design Principles for Crane Loads and Load Combinations Part 1: General Principles	GB/T 22437.1-2018 /ISO 8686-1:2012	国家市场监督管理总局、中 国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
7	国家 标准 Nation standard	《铸造起重机报废 条件》 "Casting Crane Scrap Conditions"	GB/T 36697-2018	国家市场监督管理总局、中 国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
8	国家 标准 Nation standard	《起重机 设计工作 周期的监控》 "Monitoring of Crane Design Work Cycle"	GB/T 25196-2018 /ISO 12482:2014	国家市场监督管理总局、中 国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
9	国家 标准 Nation standard	《起重机 手势信 号》 "Crane Hand Signal"	GB/T 5082-2019 /ISO 16715:2014	国家市场监督管理总局、中 国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
10	国家 标准 Nation standard	《起重机械超载保 护装置》 "Hoisting Machinery Overload Protection Device"	GB/T 12602-2020	国家市场监督管理总局、中 国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
11	国家 标准 Nation standard	《起重机 金属结构 能力验证》 "Crane metal structure proficiency verification"	GB/T 30024-2020 /ISO 20332:2016	国家市场监督管理总局、中 国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China

12	国家标准 Nation standard	《起重机 载荷与载荷组合的设计原则 第5部分：桥式和门式起重机》"Cranes - Design principles for loads and load combinations - Part 5: Overhead and gantry cranes"	GB/T 22437.5-2021 /ISO 8686-5:2017	国家市场监督管理总局、中国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
13	国家标准 Nation standard	《起重机 分级 第1部分：总则》 "Classification of Cranes Part 1: General Rules"	GB/T 20863.1-2021 /ISO 4301-1:2016	国家市场监督管理总局、中国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
14	国家标准 Nation standard	《起重机 安全 起重吊具》 "Crane Safety Lifting Spreader"	GB/T 41098-2021 /ISO 17096:2015	国家市场监督管理总局、中国国家标准化管理委员会 State Administration for Market Regulation, Standardization Administration of China
15	行业标准 Industry Standard	《起重机无损检测 钢焊缝超声检测》 "Non-destructive testing of cranes, ultrasonic testing of steel welds"	JB/T 10559-2018	中华人民共和国工业和信息化部 Ministry of Industry and Information Technology of the People's Republic of China
16	行业标准 Industry Standard	《防爆门式起重机》 "Explosion-proof gantry crane"	JB/T 13988-2020	中华人民共和国工业和信息化部 Ministry of Industry and Information Technology of the People's Republic of China
17	地方标准 Local standard	《桥架型起重机再制造毛坯无损检测要求》 "Non-destructive testing requirements for bridge crane remanufacturing blanks"	DB41/T 1642-2018	河南省质量技术监督局 Henan Quality and Technical Supervision Bureau
18	地方标准 Local standard	《桥架型起重机械 焊接工艺评定》 "Welding Procedure Evaluation of Bridge Type Crane Machinery"	DB41/T 1641-2018	河南省质量技术监督局 Henan Quality and Technical Supervision Bureau

19	地方标准 Local standard	《桥架型起重机械用成套开关和控制设备第1部分:总则》 "Complete switch and control equipment for bridge-type hoisting machinery - Part 1: General principles"	DB41/T 1708.1-2018	河南省质量技术监督局 Henan Quality and Technical Supervision Bureau
20	地方标准 Local standard	《桥架型起重机械用成套开关和控制设备第2部分:电动葫芦类起重机》 "Complete switch and control equipment for bridge type hoisting machinery - Part 2: Electric hoist type cranes"	DB41/T 1708.2-2018	河南省质量技术监督局 Henan Quality and Technical Supervision Bureau
21	地方标准 Local standard	《桥架型起重机械用成套开关和控制设备第3部分:通用桥式起重机》 "Switch and control equipment sets for overhead cranes of the bridge type - Part 3: General bridge cranes"	DB41/T 1708.3-2018	河南省质量技术监督局 Henan Quality and Technical Supervision Bureau
22	地方标准 Local standard	《桥架型起重机械用成套开关和控制设备第4部分:通用门式起重机》 "Switch and control equipment sets for bridge-type hoisting machinery - Part 4: General purpose gantry cranes"	DB41/T 1708.4-2018	河南省质量技术监督局 Henan Quality and Technical Supervision Bureau
23	地方标准 Local standard	《钢丝绳电动葫芦振动检测和评价》 "Vibration Detection and Evaluation of Wire Rope Electric Hoist"	DB41/T 1725-2018	河南省质量技术监督局 Henan Quality and Technical Supervision Bureau

24	团体标准 Group standard	《起重机碾压车轮》 "Crane Rolling Wheels"	T/CPARK 4-2018	长垣县起重装备制造行业 协会 Changyuan County Lifting Equipment Manufacturing Industry Association
25	团体标准 Group standard	《洁净场所用防爆 梁式起重机技术条 件》 "Technical Conditions for Explosion-proof Beam Cranes Used in Clean Places"	T/CPARK 5-2018	长垣县起重装备制造行业 协会 Changyuan County Lifting Equipment Manufacturing Industry Association
26	团体标准 Group standard	《起重机械安全监 控管理系统检验方 法》 "Inspection method for hoisting machinery safety monitoring and management system"	T/CASEI 63001-2019	中国特种设备检验协会 China Special Equipment Inspection Association
27	团体标准 Group standard	《环形电动单梁起 重机起重机》 "Ring Electric Single Girder Crane Crane"	T/CPARK 18-2021	长垣县起重装备制造行业 协会 Changyuan County Lifting Equipment Manufacturing Industry Association