

Innovative Activities

Technological innovation is the soul of transformation and upgrading, quality improvement and efficiency enhancement. The company was rated as a national pilot demonstration enterprise for innovation and entrepreneurship. The company arranges no less than 3.6% of the sales revenue for technological innovation every year, encourages independent innovation, and rewards technological innovation. The company carries out quality month activities for three months every year, implements the "Thousand Talents Innovation Plan", and sets up the "Company Founder Quality Award", "Chairman Quality Award", "General Manager Quality Award", and "Craftsman Spirit Award". Every year at the "Henan Mine May 1st Commendation Conference", the award-winning advanced collectives and advanced individuals will be rewarded.



The company has obtained more than 600 authorized patents, and participated in the formulation and revision of 18 national standards, industry standards, local standards and group standards.



Henan Mine has carried out strategic cooperation with internationally renowned enterprises, domestic research institutions and colleges and universities, and fully leveraged the strength of colleges and universities, scientific research institutes and the company's own research and development strength to cooperate with each other. Continuously improve the creative ability of the enterprise, realize continuous technological innovation, and maintain the core competitive advantage.



Undertake the 15th China-Japan-Korea Asian Crane Safety Forum



Undertake the 3rd China College Students Crane Creative Competition



Undertake the 5th and 7th China-Changyuan International Lifting Equipment Expo



Hold the Henan Mine Crane Development Summit Forum every year

Intelligent Equipment

The company has installed an intelligent equipment management platform, and has installed more than 600 sets (sets) of handling and welding robots, and the equipment networking rate has reached 95%. More than 100 welding lines have been put into use, and the automation rate of the entire product line has reached 85%.



Finishing workshop



Double beam main beam inner seam robot welding workstation



Single beam main beam inner seam robot welding workstation



Single beam end beam robot welding workstation



New type end beam robot welding workstation



Single beam reinforcement plate assembly and welding workstation



Six-axis articulated robot



Wheel forging and rolling composite process line



Electric Hoist Reel Cover Robot Welding Workstation



Fixed beam gantry mobile CNC machining center

Technological Innovation

Single Beam Crane Flexible Production Line

Henan Mine cooperates with Beijing Crane and Transportation Machinery Design and Research Institute, employs German crane experts, and completes the "single beam crane flexible production line", so that the main beam production line of the crane can produce finished products every hour, the production time is reduced by 40%, and the customer delivery cycle is shortened 50%. The on-site work-in-progress inventory is reduced to the minimum, the site occupation is saved by two-thirds, the labor intensity is significantly reduced, and the efficiency is greatly improved.



Group photo with Beiqi Institute and German experts



Flip tooling

The output of end beams has changed from the original two shifts of 12 people in 20 hours to produce 80 pieces in total to a single shift of 8 people in 8 hours to 100 pieces. While the output increases and the quality improves, the labor intensity of workers is greatly reduced, and the occupied site area is reduced by 2/3, which provides a basis for further implementation of advanced manufacturing transformation and 5S management.



Before the reconstruction of the end beam assembly line



After the reconstruction of the end beam assembly line



End beam robot welding line

Wheel Forging And Rolling Composite Process Line

The wheel forging and rolling compound process assembly line has created a precedent for ordinary electric single-beam bridge cranes in China to use this process wheel. The forged rolling wheel material has high density, high hardness and good wear resistance, which increases the service life of the crane, not only improves the production efficiency, but also greatly improves the quality and appearance of the product. Compared with the casting process, the heat loss is reduced by 50%, the energy utilization rate has increased by 40%, and the production of energy saving and emission reduction has been realized, which is also of great significance for reducing carbon emissions and protecting the environment.



Corporate Culture

Since the establishment of Henan Mine, the high-level team with the company founder and party secretary Cui Peijun as the core has given full play to the role of "navigator" and led Henan Mine to achieve rapid development. Relying on the leadership team and the wisdom of all staff, we have established a unique cultural system of filial piety in Henan mines, established the company's mission, vision and core values, created a good atmosphere of people-oriented and honest management, improved corporate governance, fulfilled social responsibilities, and created an enterprise that pursues excellence and healthy development.



Filial Piety Activities

The company pays attention to leading the development of the enterprise with culture, gives full play to the guiding function of "filial piety culture", and uses the simplest way of doing good deeds and accumulating virtue and filial piety to repay kindness to inspire employees' enthusiasm for the pursuit of truth, kindness and beauty. The company has put forward the core values of "Three Hearts", which is to harmonize the family with filial piety, unite comrades with sincerity, and serve customers with enthusiasm. The culture of filial piety has continuously enhanced the spirit of solidarity and mutual assistance and service awareness of employees, shortened the distance between enterprises, employees and customers, promoted cultural exchanges and all-round cooperation among enterprises, and established a good market image. It has formed a unique corporate culture with mission, vision and values as the core.



The 1st Mid-Autumn Festival Party, Culture Festival



The 2nd Mid-Autumn Festival Party, Culture Festival



Warm Winter Hot Fire Dinner



Conferences to the Elderly Association



The 11th Mid-Autumn Festival Culture Traveling Tourism Festival



河南省矿山起重机有限公司
HENAN MINE CRANE CO.,LTD

www.hnks Crane.com



https://youtu.be/IFa_jGyrgLk

Enterprise Introduction

Henan Mine Crane Group was founded since 2002, workshop area of 1.62 million square meters, 5100+ employees. Focus on "KUANGYUAN" brand Overhead Crane, Gantry Crane and Electric Hoist, research-design-manufacture-sales of 110+ types cranes and components. As a professional crane&material handling manufacturer and service supplier, able to provide solution and full-life cycle service. Committed to intelligent, green and high-quality development of the crane industry.

HENAN MINE is the vice chairman unit of China Heavy Machinery Industry Association, Member unit of National Lifting Machinery Standardization Technical Committee, International Organization for Standardization Crane Technical Committee (ISO/TC96) Deputy leader of the domestic technical counterpart expert working group. Named "China Industry Award Nomination Award", "National quality benchmark", "Quality benchmarking enterprise of Chinese industrial enterprises", "National green factory", "National contract-abiding and credit-worthy enterprises", "National manufacturing single champion product" and 500+ etc.

In 2022, Henan Mine produced and sold more than 100,000 sets of various cranes, with sales revenue of 9.16 billion yuan and various taxes paid 285 million yuan.

Products sell well all over the country and Belt and Road countries and regions, there are 428 sales and service agencies throughout the country, serving more than 7,000 high-end customers, in aerospace, automobile and shipbuilding, iron and steel smelting, petrochemical, railway and military industry and other key industries at home and abroad more than 50 industry fields have achieved remarkable results. R&D and manufacturing of remote monitoring cranes, intelligent storage cranes, precision positioning cranes, unmanned cranes, nuclear-grade special cranes and other high-precision products serve large enterprises such as Baowu, China Railway, China Metallurgical Corporation, China Nuclear and AVIC.

Henan Mine is a high-tech enterprise, composed of more than 10 high-end experts in the industry, more than 200 senior engineers composed of technical team, responsible for the innovative design and development of products, has obtained more than 500 national patents and provincial scientific and technological achievements; Has built national enterprise technology center, provincial industrial design center, crane key technology laboratory and other research and development platforms; Has established long-term cooperative relations with Beijing Lifting and Transportation Machinery Design and Research Institute, Henan Special Equipment Safety Testing Institute, Harbin Institute of Technology and other institutions to provide strong support for promoting the technological innovation and development of cranes.

Tree a century-old "KUANGYUAN" brand and create a first-class enterprise is the company's vision. We led by "filial piety culture", Take "Three Hearts" as the core value of the enterprise, Take "six most" as the development goal, Integrity-based, win-win cooperation, do not forget the original intention, industry to serve the country, and make great contributions to the development of the crane industry.



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Leadership Care



Zhou Tienong, Vice Chairman of the 11th National People's Congress (2nd from left), Wang Wenyuan, Vice Chairman of the 9th National Committee of the Chinese People's Political Consultative Conference (3rd from left), Buhe, Vice Chairman of the 9th National People's Congress (1st from right), receive Cui Peijun, our founder



Long Yorigu, the former vice minister of the Ministry of Foreign Trade and Economic Cooperation, photo with our founder



Xie Fuzhan, President of the Chinese Academy of Social Sciences and former Secretary of the Henan Provincial Party Committee of the Communist Party of China, visited our company



Wang Guosheng, Secretary of the Henan Provincial Party Committee of the Communist Party of China, visited our company for investigation and research



Liu Wei, chairman of the Henan Provincial Political Consultative Conference, visited our company for investigation and research



Zhang Guowei, secretary of the Xinxiang Municipal Party Committee, visited our company for investigation and research



Xinxiang Mayor Wang Dengxi visited our company for investigation and research

Leading Product

Electric Hoist



CD1/MD1 Electric Wire Rope Hoist



New type Electric Wire Rope Hoist

Electric Single Girder Overhead Crane



LD type Electric Single Girder Overhead Crane



New type Electric Single Girder Overhead Crane

Electric Double Girder Overhead Crane



QD Hook type Electric Double Girder Overhead Crane



New Hook type Electric Double Girder Overhead Crane

Special Usage Crane



Casting usage Four Girder Bridge Crane



Container usage Gantry Crane



Railway usage Gantry Crane



Charging Usage Insulation-free Bridge Crane

Metallurgic & Charging Cranes



360/80 tons Double Beams Metallurgic Ladle Crane



25+25 tons Double Beams Magnetic Crane with Hanging Beam



10 tons Double Beams Overhead Crane with Orange Peels Grab



40+40 tons Double Beams Upper Rotating Trolley Overhead Crane



50+50 tons Double Beams Overhead Crane with Slabs Tongs



10 tons Double Beams Overhead Crane with Clamshell Grab



40+40 tons Double Beams Upper Rotating Trolley Overhead Crane

Classic Case

Clean Explosion-proof Automatic Crane



reduces, brake, and electrical monitoring.

Through the development and production of clean explosion-proof automatic cranes for the semiconductor-grade polysilicon project of Jiangsu Xinhua Semiconductor Material Technology Co., Ltd., our company has obtained 16 invention patents, and is the only company in China that has obtained the production qualification of clean explosion-proof automatic cranes. Possess the following advanced technologies: high-sealed explosion-proof drive mechanism, maintenance-free self-lubricating bearings, integrated compact design of motor,

Rail-mounted Container Gantry Crane (Lan Zhou Railway Project)



unmanned operation.

Lanzhou International Port Area is a hub port for international trade on the "Belt and Road" economic belt, a comprehensive logistics center connecting Central Asia, West Asia and European markets, and an important fulcrum for promoting the construction of the "Silk Road Economic Belt". Our company designed and manufactured the CM40.5T-35M A8 rail-mounted container gantry crane for Lanzhou International Port Area, realizing fully intelligent

Intelligent Coke Tank Crane



the new inspection and design standards of cranes in the coking industry, and realizes technological breakthroughs and innovations.

In order to help the green transformation of coking enterprises and promote the high-quality development of the coking industry, our company has contracted the intelligent coke tank crane for Jiujiang Coking. The crane overcomes technical difficulties such as high-temperature red coke heat radiation and flame baking, fully considers the on-site use environment of the coking industry, ensures that the crane equipment has excellent performance in operation and use, and meets the needs of production technology. It provides a factual basis for

Smart Storage Crane



efficiency has been increased by 100 times; the land utilization rate has been increased by 10 times, and the comprehensive operating cost has been reduced by 60%.

The (8+8) t intelligent storage crane designed and manufactured by our company for the unmanned cold storage storage project of Shandong Lingdong Electronic Technology Co., Ltd. "Suantong Tianxia" Industrial Park is the first automatic storage crane used in agriculture in China. It has the characteristics of large span, long running distance, high lifting height, fast running speed, stable running without fluctuation, many positioning points and high precision.

Clean Explosion-proof Automatic Crane



company is Baosteel WMS An important part of (warehouse management system).

Our company undertook the manufacture of 71 sets of lifting equipment for Zhanjiang project of Baosteel Group. Among them, the 15 cranes in the post-rolling warehouse and the finished product warehouse area all adopt the new technology of unmanned operation, which can not only realize the functional control of the three-dimensional positioning of the crane, automatic loading and unloading and other actuators, but also the unmanned crane of our