



Expertise in Tower Cranes

河南金利重工科技有限公司

Henan Jinli Heavy Industry Technology Co., Ltd.

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**Dedicated to engineering excellence, we power the future
of high-end equipment manufacturing.**

Pioneering global leadership in ultra-large crane solutions.

Group Introduction

Established in 1995, Henan Jinli Gold and Lead Group Co., Ltd. is one of China's top 500 private enterprises. With a floor space of over 800 mu and over 5,000 employees at present, the Company realized a sales volume of RMB 51.8 billion in 2023. It is also one of the first batch of lead smelting enterprises passing admission audit of lead smelting industry by MIIT, has passed the recognition of "China famous trademark" and is one of Henan's first batch of silver processing trade enterprises, customs AEO senior certification enterprise and Henan's intelligent plant. The Company has held and participated in the shares of over 10 companies at present.

At present, the Company has 2 world's leading production lines of oxygen bottom blowing furnace oxidation - direct restoration through furnace blowing at liquid lead slag side - electrolytic lead, 1 production line of precious metal smelting, 3 production lines of waste batteries, and has reached an annual treatment capacity of 450,000 t. It is able to produce 350,000 t electrolytic leads, 10 t gold, 1,500 t silvers, 300,000 t sulfuric acids, 20,000 t mattes, 50,000 t second zinc oxides, 10,000 antimony whites and 2,500 t high-purity bismuths per year.

The Company has passed ISO9001 quality management system, ISO14001 environment management system, ISO45001 occupational health and safety management system, management system of national "informatization and industrialization" integration and energy management system. It has been included in "China's Top 500 Private Enterprises" and "China's Top 500 Manufacturing Enterprises" for 10 consecutive years, and obtained many honorable titles such as "China's Top 500 Exportoriented Private Enterprises", "Excellent Private Enterprise of Henan Province", "Top 100 CSR Private Enterprises of Henan Province" and "Leading Enterprise in Non-public Ownership Industry of Henan Province", etc. In the future, we'd like to still supply high-quality products and considerate services to our customers at home and abroad and join hands with them to create a better future! Creation, cooperation and win-win!





Company Profile

Henan Jinli Heavy Industry Technology Co., Ltd. (hereinafter referred to as "the Company") was established in 2019. It is held by Henan Jinlin Group through investment. Located in Huling High-tech Industry Development Zone, Jiyuan City, a city with strong industrial base in Henan Province, the Company is a large equipment manufacturer that focuses on design and R&D and integrates production, sales and after-sales services. The company has been recognized into "Specialized and Sophisticated Enterprises", recognized as "Henan Engineering Technology Research Center" and a "Municipal Engineering Technology Research Center", "National High-tech Enterprise" and a "Engineering Technology Research Center of Ultra-large Tower Cranes", and approved as a "Postdoctoral Innovation Practice Base in Henan Province".

With a strong focus on construction and engineering machineries, the Company has been dedicated to design, R&D and manufacturing of national key infrastructure construction machinery equipment, such as architectural engineering, traffic engineering, energy and environmental engineering. Main products include various kinds of ultra-large tower cranes, portal cranes and gantry cranes, such as cranes with movable arm, cranes with flat head and climbing tower cranes.

In virtue of the Group's solid capital strengths and advanced management experience, the Company has introduced excellent technical R&D talents from famous research institutions of water conservancy and power industry, and invested RMB 450 million in setting up "Jinli Heavy Science Industry Park". With a floor space of 200 mu, the park has 10,000 tm ultra-large tower crane test bench, a 36,000m² processing workshop and has the capacity of producing 30 sets of ultra-large tower cranes of different models. It can realize an annual output value of RMB 450 million.





Jinli Heavy Science Research Institute

The Company has set up Jinli Heavy Science Research Institute in Zhengzhou City and takes it as its design and R&D center. The Company has kept attracting high-end talents in the industry by taking advantage of Zhengzhou's strength as a national traffic hub and favorable policies of China (Henan) Pilot Free Trade Zone and National Center City.

More than 62% of the Company's R&D staff have master's degree and above, and 83% with a title above senior engineer, All R&D staff are from different specialties such as machinery, electrical engineering and hydraulic pressure. All R&D staff are from different specialties such as machinery, electrical engineering and hydraulic pressure. The Company makes efforts to develop and customize off-standard hoisting equipment for domestic and overseas large projects and provide tailored product R&D scheme for customers based on their specific engineering demands. By highlighting the R&D of new products and techniques, the Company has kept making investment in such aspects as technical R&D and product innovation, which yields significant returns. For instance, besides the application of dozens of patented technologies per year, the company has been recognized into "Specialized and Sophisticated Enterprises", recognized as "Henan Engineering Technology Research Center" and a "Municipal Engineering Technology Research Center", "National High-tech Enterprise" and a "Engineering Technology Research Center of Ultra-large Tower Cranes", and approved as a "Postdoctoral Innovation Practice Base in Henan Province".

The Company has intensified its exchange and cooperation with domestic scientific research institutes and colleges & universities constantly and has improved its independent innovation capacity through a technological innovation system combined with industry-university-research cooperation so as to transform scientific research achievements into productivity and therefore create values for the enterprise and the whole society constantly.



Processing Capacity

A whole set of modern equipment for automatic welding, CNC processing, fully automated surface treatment and detection, and test has been introduced in the production workshop, where waste gas treatment systems satisfying Grade A environmental protection requirements such as welding fume collection and paint corrosion system are also set.

The Company has also introduced a large batch of machining equipment such as several sets of TK6920 and TK6916 CNC floor-type milling & boring machines and CNC lathes and has accumulated the production capacity of complete machining after welding 5mX5mX16m large workpiece. The processing precision could reach 6 μ m, which can ensure the processing quality of tower parts such as tower crane body and boom, and interchangeability and assembly & disassembly precision of parts, and improve mounting & dismantling efficiency of tower cranes.

On the basis of product characteristics, the Company has introduced a large batch of cutting and blanking equipment such as CNC intersecting line cutter and CNC plasma cutter, as well as automatic welding tooling positioner, automatic welding robot, etc., customized and developed various kinds of tooling for riveting such parts as boom and standard knot of large tower cranes so as to ensure the rivet welding precision and quality of different parts.

Anticorrosion workshop has been furnished with large shot blasting line for incoming material pre-treatment. The surface treatment grade of shot blasting could reach Sa2.5. The Company has also established a series of anti-corrosion equipment, such as 7mX7mX18m overall coating line of ultra-large structural parts, shot blasting chamber, spraying chamber, baking chamber and VOCs waste gas catalytic combustion treatment system, in order to ensure strong adhesion, stylish color and weather resistance of tower crane paint.



CNC Floor-type Milling & Boring Machine



CNC Horizontal Lathe



CNC Intersecting Line Cutter



Steel Shot Blasting Pre-treatment Production Line



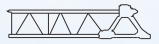
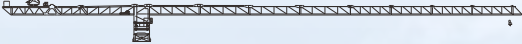
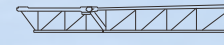
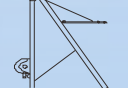
Sand Lasting/Spraying/Drying anti-corrosion Workshop



VOCs Waste Gas Treatment System

Characteristics of Towner Crane

Our tower crane has followed advanced design idea and integrated modular design. By reasonable design of different modules, modules of crane towers in different types and models can be exchanged. Static and flat arms can be switched based on the specific project demands so as to realize different characteristics such as different independent heights of tower cranes and different amplitudes of booms and satisfy various working conditions.

Name		Code		Product
Applicable to tower cranes with flat arm, movable arm, and wind electric arm	Flat arm 3		PP3Q	 Tower crane with flat arm (PP3Q+SXCZ+TSGD+TSBJ+TSTJ+QHTD+TSJC)+PZXT+PP12+PQ08
	Upper and lower seats		SXCZ	
	Transition joint		TSGD	
	Tower crane		TSBJ	
	Rack		TSTJ	
	Mechanism		QHTD	
	Foundation		TSTJ	
For tower crane with flat arm	Central tower		PZXT	 Tower crane with wind electric arm (PP3Q+SXCZ+TSGD+TSBJ+TSTJ+QHTD+TSJC)+RZJ2+DBH5+DBF1
	Flat arm 12		PP12	
	Flat arm stand		PQ08	
Applicable to tower cranes with movable arms, and wind electric arm	Propeller strut + derricking unit		RZJ2	 Tower crane with movable arm (PP3Q+SXCZ+TSGD+TSBJ+TSTJ+QHTD+TSJC)+RZJ2+DBH5+DBD1+DBXB
	Rear part of movable arm		DBH5	
For tower crane with wind electric arm	Head of wind electric arm		DBF1	
For tower crane with movable arm	Head of movable arm		DBD1	
	Eagle' s beak hook and secondary hook		DBYZ	
	Small arm and secondary hook		DBXB	

Quality Assurance

10,000tm tower crane test bench is established within the plant. The test bench is provided with a 2,000 tm ultra-large tower crane, which is used for mounting, dismantling, debugging and testing tower cranes just delivered from factory. Prior to delivery, each tower undergoes times of mounting, dismantling and debugging within the plant and rigorous quality inspection. They cannot be delivered to customers until passing load test.



Quality management plays a key role in enterprise development and means solemn commitment to our customers. The Company manages product quality according to the international standard quality system, so as to ensure the whole process within control, ranging from raw material procurement, product design, production, monitoring, vehicle test and after-sales services. We receive strict audit and regular supervision of certification authorities, keep improving our products to satisfy customers' requirements and potential demands, and always supply high-quality products and considerate services for them.

Service Guaranty

One-stop solution



**Our professional
after-sales service team**

Service Hotline

 +86-391-6898881



Application Scenario



JLD 200t Luffing Jib Tower Crane for 5MW-185m Wind Power Hoisting



JLD 180t Luffing Jib Tower Crane for 4.5MW-160m Wind Power Hoisting



JLD 136t Luffing Jib Tower Crane for 2.2MW-130m Wind Power Hoisting



JLD 200t Luffing Jib Tower Crane for 5MW-180m Wind Power Hoisting



JLP 200t Flat-Top Tower Crane for Thermal Power Generating Unit Construction with the Large Chassis



Petrochemical Torch Tower Overhaul



Petrochemical Catalytic Cracking Unit Replacement



JLP Flat-Top Tower Crane for Bridge Construction



JLP Flat-Top Tower Crane for Stadium Construction



JLD Luffing Jib Tower Cranes and JLP Flat-Top Tower Cranes



180t MQ Type Gantry Crane for Ship Building



JLD Flat-Top Tower Cranes



JLD Luffing Jib Tower Crane



300t MQ Type Gantry Crane for Ship Building



MQ Type Gantry Crane for Hydro-power Construction



LMQ Type Gantry Crane



ME Type Gantry Crane



MDG Type Gantry Crane



MDG Type Gantry Crane



ME Type Gantry Crane



ME Type Gantry Crane for Subway Construction



MDG Type Gantry Crane



MDG Type Gantry Crane



1200t Hydraulic Module Jack-Up System



500t Special Designed Lifting tool for Generator Stator



100t Wind Turbine Maintenance Crane



QD Type 200t Overhead Crane



340t High- low Legs Gantry Crane



450t Special spreader for Generator stator