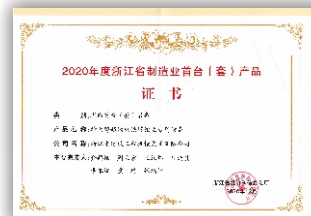
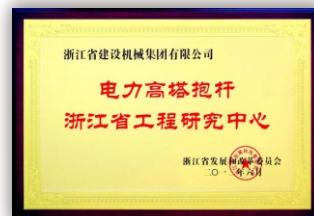


INTRODUCTION OF ZHEJIANG CONSTRUCTION MACHINERY

Zhejiang Construction Engineering Machinery Group is a wholly-owned project operated by Zhejiang Construction Investment Group Co., Ltd Mechanical Specialty Group. Founded in 1958. After more than 60 years of development, the scale of production and operation exceeds 2 billion yuan, with more than 80 products in three categories: tower cranes, electric power construction machinery, and construction elevators, and has the ability to develop and produce large-scale, precision, complete sets of construction machinery and equipment and steel structure manufacturing and installation, and the products are distributed in more than 30 provinces and municipalities across the country, and have entered overseas markets such as Southeast Asia, the Middle East, and North Africa, and are national high-tech enterprises, and are shortlisted for the 2023 "Science and Technology Reform Enterprise" expansion and deepening list of the State-owned Assets Supervision and Administration Commission of the State Council, and selected as the "Future Factory" in Zhejiang Province List of pilot enterprises.

It has the "three qualifications" of professional contracting of lifting equipment installation engineering, special equipment manufacturing of lifting machinery (including installation, repair and transformation) and professional contracting of steel structures, and has a provincial-level enterprise research institute, with Zhejiang High-tech Enterprise Research and Development Center, Zhejiang Electric Power Tower Pole Holding Engineering Research Center, and Zhejiang Enterprise Technology Center "Three Centers", which is a "three demonstration" enterprise of innovative demonstration, intellectual property demonstration and service-oriented manufacturing demonstration in Zhejiang Province. A total of 414 intellectual property rights have been obtained, including 39 invention patents.



Z//CM

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INTRODUCTION OF ZHEJIANG CONSTRUCTION MACHINERY FUTURE FACTORY

Zhejiang Construction Machinery Future Factory is in accordance with the industry 4.0 standard, benchmark the world's first-class, positioning the domestic leading, with the concept of personalized customization, digital design, intelligent production line, flexible production, low-carbon manufacturing, remote operation and maintenance, lean management, to create a production tower crane, electric pole and other large construction machinery as the main products of innovation and breakthrough pilot factory. With a total investment of 505 million yuan, the factory covers a total area of about 58,400 square meters, and designs 8 intelligent and highly flexible welding production lines, 2 green and efficient digital coating lines and 1 intelligent logistics distribution center. Zhejiang Construction Machinery Co., Ltd. is making every effort to build the core scenario of "Industrial Brain Future Factory" to realize the streamlining, flexible, automated, intelligent and environmentally friendly production and manufacturing of construction lifting machinery and electric construction machinery.



INTRODUCTION TO THE KEY PRODUCTS OF ZHEJIANG CONSTRUCTION MACHINERY

TOWER CRANE



ZJD315动臂式塔式起重机

In April 2024, it passed the type test of the National Construction and Urban Construction Machinery Quality Supervision and Inspection Center, which is suitable for the hoisting construction of high-density urban buildings with narrow space.



ZJT80160超大型平头塔式起重机

In October 2023, it passed the type test of the National Construction and Urban Construction Machinery Quality Supervision and Inspection Center, which is suitable for the hoisting needs of large-scale PC buildings, bridges, venues, etc.



ZJT7015出口型平头塔式起重机

In May 2023, it passed the type test of Zhejiang Special Equipment Research Institute, and it is a customized export-type tower crane launched by Zhejiang Construction Machinery

THE FUNCTIONAL VALUE OF THE FACTORY OF THE FUTURE



INTELLIGENT PRODUCTION

Independent research and development of the industry's first digital highly flexible truss mixed-flow production line, including a dual-track aerial transfer system and a chain flip displacement system. A large-scale CNC boring and milling machining center and an efficient robot welding center have been built, and a just-in-time logistics distribution center based on automated three-dimensional warehouses has been built to achieve efficient collaborative integration of information systems.



LEAN MANAGEMENT

An industrial big data center has been built to collect production control information in real time and process more than 50,000 point data. Establish factory models and workshop digital boards to realize online and mobile application scenarios for production, quality, and equipment management. Build a lean cockpit to provide data support and decision support for management.

INTRODUCTION TO THE KEY PRODUCTS OF ZHEJIANG CONSTRUCTION MACHINERY

ELECTRICAL MACHINERY



T2T45双臂落地抱杆

It is suitable for the construction of all towers except for the extra-large spanning tower, and has been successfully applied to the construction of the 500 kV line project of the Tibet-China network and the plateau tower construction at an altitude of 5130 meters.



T2T1500双臂落地抱杆

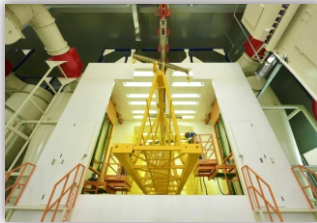
It is suitable for the construction of super-large spanning towers in large river waters and valleys, and has been successfully applied to the construction of the world's tallest transmission twin towers of the 385-meter Yangtze River crossing project of the Fengcheng-Meili 500 kV line.



MT2D06轻型可移动智能组塔装置

It is suitable for the assembly of small transmission towers of 110-200 kV lines with a large volume and wide area, can walk automatically, and is not limited by terrain, and has been successfully applied to power grid projects such as Longwan to Laoxin 110 kV.

THE FUNCTIONAL VALUE OF THE FACTORY OF THE FUTURE



GREEN MANUFACTURING

Distributed solar power generation projects will be built to achieve green energy supply. Independent research and development of powder and water-based paint coating process to achieve low VOC Emissions, built the first large-scale high-flexible mixed line intelligent powder coating line in China. An intelligent smoke and dust treatment system has been built to realize robot welding dust removal and purification, pure water unit equipment and wastewater treatment devices have been built to realize reclaimed water recovery and sewage treatment and recycling, and an energy management department has been built Optimize the low-carbon management mode of the whole production process



PERSONALIZED CUSTOMIZATION

In view of the fact that the research and development of China's construction machinery products has entered the era of personalization, under the guarantee of modularization and digital design foundation and flexible manufacturing capabilities, large-scale personalized customization and digital integration of product life cycle are realized, and the collaborative integration of customized service platform and enterprise multi-information system is realized.

INTRODUCTION TO THE KEY PRODUCTS OF ZHEJIANG CONSTRUCTION MACHINERY

CONSTRUCTION HOISTS



SC200/200SZN46智能型施工升降机

In November 2023, it passed the type test of the National Construction and Urban Construction Machinery Quality Supervision and Inspection Center. It has the functions of automatic summoning system of the cage, intelligent dispatching control system, and intelligent early warning of safety, without the need for full-time drivers, which is in line with the development direction of intelligent construction vigorously promoted by the state.



SCQ90倾斜式施工升降机

In May 2021, it passed the type test of the National Construction and Urban Construction Machinery Quality Supervision and Inspection Center, and has been successfully applied to the construction of the world's tallest transmission twin towers of the 385-meter Yangtze River Crossing Project of the Fengcheng-Meili 500 kV line.



SCQB80曲线式施工升降机

In May 2023, it passed the type test of Zhejiang Special Equipment Research Institute, and successfully assisted the assembly of the first four-way UHV cross-river tower with mixed pressure in China in the Yangtze River large-span section of the Wuhan-Nanchang double-circuit 1000 kV line project.