



# TONZHO 船舶设备



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## 兴化市通舟船舶设备有限公司

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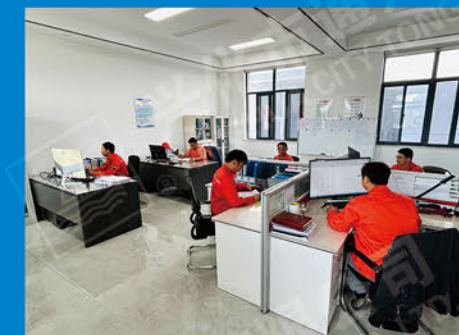
XINGHUA CITY TONGZHOU SHIP EQUIPMENT CO.,LTD.





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**TONGZHOU**



## 企业简介 COMPANY INTRODUCTION

兴化市通舟船舶设备有限公司是一家正在崛起的民营企业，占地三万多平米，经过多年的拼搏进取，掌握时代脉搏与相关研究所深度合作、联合开发，产品远销国内外。自2003年以来，从事液压、电动、柴动 $\Phi 12.5 \sim \Phi 152$ 起锚机，10kN $\sim$ 3000kN绞车，10kN $\sim$ 800kN绞盘，25kN.m $\sim$ 1350kN.m拨叉舵机，8kN.m $\sim$ 600kN.m摆缸舵机，2000kN起重机以及产品配套的电气控制系统设计、开发、制造、产品检测及售后服务。

通舟产品已相继获得ZC、CCS、ZY、BV、ABS、LR、DNV、NK、KR、BKI等各大船检的认可。产品出口到法国、伊朗、阿根廷、印度、印尼等多个国家。公司已通过中国船级社ISO9001质量管理体系认证。

公司有多年从事甲板机械设计、开发的助理工程师、检验人员，CCS船级社证书焊工、BV船级社证书焊工、LR船级社证书焊工、压力容器焊接证书焊工及一般证书焊工、车工、电工、钳工。

现有主要生产设备：大型激光切割下料机、数控等离子切割下料机、数控线切割机、滚齿机、焊接机器人、龙门铣刨床、镗床、大型车床、电动坡口机、气动倒角机、数控弯管机、各种焊机、时效振动器、喷砂机等。主要检测设备：各种测量仪表、尺、粗糙度对比块、硬度计、拉伸冲击试验机、超声波探伤仪、涂层测厚仪、400t锚机试验台、200tm起重机试验台、8 $\sim$ 200kN.m、30 $\sim$ 600kN.m和100 $\sim$ 1500kN.m舵机试验台各一座。现已具备制造各种船用设备的能力。

本公司是一家发展中企业，以“质量至上，诚信为本”为宗旨，全力开发研制新产品，精益求精求生存，与广大客户携手共创辉煌。

热诚期望上级领导、专家莅临指导。

## 携手并进 共创未来

Xinghua Tongzhou Ship Equipment Co., Ltd. is a rising private enterprise, covering an area of over 30,000 square meters. After years of hard work and progress, we have mastered the pulse of the times and cooperated and jointly developed with relevant research institutes. Our products are exported to both domestic and foreign markets. Since 2003, engaged in hydraulic, electric, and diesel power  $\Phi 12.5 \sim \Phi 152$  anchor windlass, 10kN-3000kN winch, 10kN-800kN winch, 25kN.m-1350kN.m fork steering gear, 8kN.m-600kN.m swing cylinder steering gear, 2000kN crane, and electrical control system design, development, manufacturing, product testing, and after-sales service for supporting products.

Tongzhou products have successively obtained recognition from major ship inspections such as ZC, CCS, ZY, BV, ABS, LR, DNV, NK, KR, BKI, etc. The products are exported to multiple countries such as France, Iran, Argentina, India, Indonesia, etc. The company has passed the ISO9001 quality management system certification of China Classification Society.

The company has assistant engineers and inspectors who have been engaged in deck machinery design and development for many years, as well as welders with CCS classification society certificates, BV classification society certificates, LR classification society certificates, pressure vessel welding certificates, and general certificates, as well as lathe workers, electricians, and fitters.

The existing main production equipment includes large laser cutting and cutting machines, CNC plasma cutting and cutting machines, CNC wire cutting machines, gear hobbing machines, welding robots, gantry milling and planing machines, boring machines, large lathes, electric beveling machines, pneumatic chamfering machines, CNC pipe bending machines, various welding machines, aging vibrators, sandblasting machines, etc. Main testing equipment: various measuring instruments, rulers, roughness comparison blocks, hardness meters, tensile impact testing machines, ultrasonic flaw detectors, coating thickness gauges, 400t anchor machine test bench, 200tm crane test bench, 8-200kN.m, 30-600kN.m, and 100-1500kN.m steering machine test benches each. We now have the ability to manufacture various marine equipment.

Our company is a developing enterprise, with the principle of "quality first, honesty based". We are committed to developing new products, striving for excellence and survival, and working together with our customers to create brilliance.

We sincerely hope that superior leaders and experts can come and guide us.





# 资质荣誉 QUALIFICATIONS AND HONORS





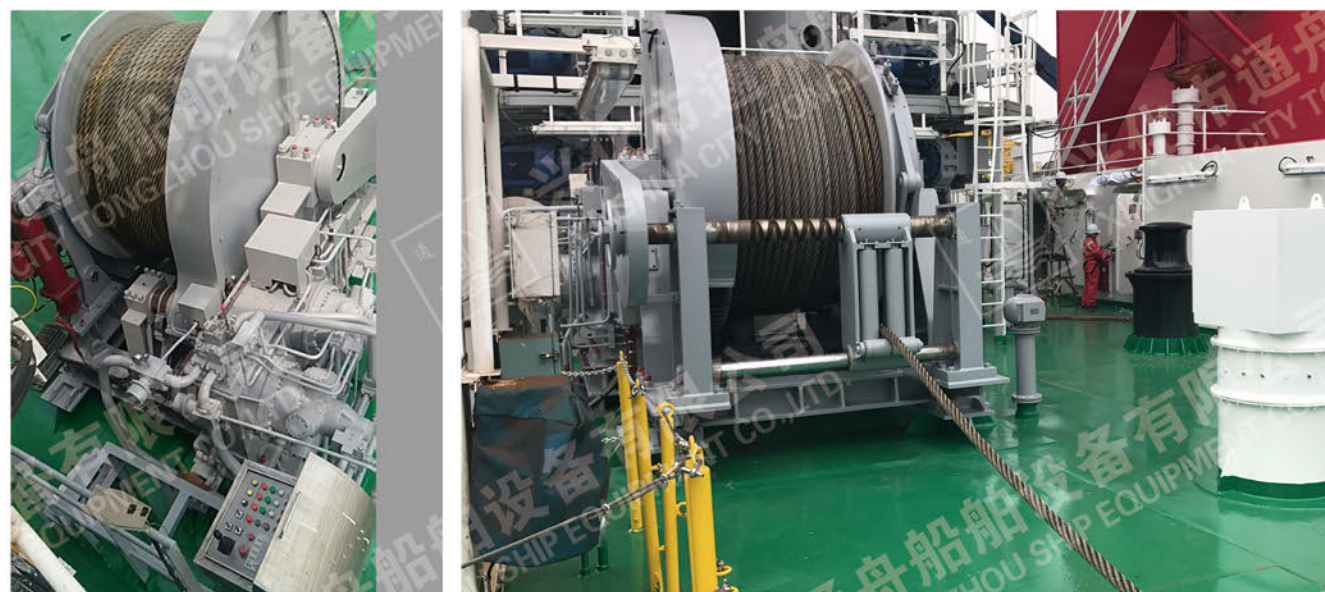


## 锚泊设备

Anchoring and mooring equipment

### 海洋工程锚机/绞车

Marine engineering anchor/winch



### 定位绞车 Positioning winch

为上海振华重工(集团)股份有限公司的龙源振华2000T自升式风电安装平台设计制造的定位绞车,具有恒张力、远程控制、多点系泊等特点。

定位绞车主要用于起重船、铺管船、铺管居住驳船等工程船舶的八点或四点定位,设备自动化程度高,有完备的监控和操作系统,节省了大量的人力。产品设计和制造能力从30t~300t,驱动方式为电动变频或电动液压。我司生产的定位绞车吸取了欧洲产品的先进设计理念,使得产品不仅重量低于国内同类产品,而且结构更加合理,操作、维护更加方便。

The positioning winch designed and manufactured for the Longyuan Zhenhua 2000T self-produced wind power installation platform of Zhenhua Company has the characteristics of constant tension, remote control, and multi-point mooring.

The positioning winch is mainly used for eight or four point positioning of engineering ships such as crane ships, pipeline laying ships, and pipeline laying residential barges. The equipment has a high degree of automation and a complete monitoring and operation system, saving a lot of manpower. The product design and manufacturing capacity ranges from 30t to 300t, and the driving method is electric variable frequency or electric hydraulic. The positioning winch produced by our company has absorbed the advanced design concept of European products, making the product not only lighter than similar domestic products, but also more reasonable in structure, and more convenient





## 锚泊设备

Anchoring and mooring equipment



定位绞车  
Positioning winch



定位绞车  
Positioning winch







## 锚泊设备

Anchoring and mooring equipment

### 航行锚机 Navigation windlass

为上海振华重工(集团)股份有限公司的龙源振华2000T自升式风电安装平台设计制造的航行锚机。航行锚机是工程船作业能力的重要保证，对于船舶和平台的稳定与航行安全至关重要。产品设计和制造能力达到 $\Phi 152\text{mm}$ ，驱动方式为电动变频或电动液压。我司生产的航行锚机具有支持负载大，安全、操作性能高等特点。

A navigation anchor designed and manufactured for the Longyuan Zhenhua 2000T self-produced wind power installation platform of Zhenhua Company.

The navigation anchor is an important guarantee for the operational capacity of engineering ships, and is crucial for the stability and navigation safety of ships and platforms. Achieve product design and manufacturing capabilities  $\Phi 152\text{mm}$ , driven by electric variable frequency or electric hydraulic. The navigation anchor produced by our company has the characteristics of supporting large loads, safety, and high operational performance.







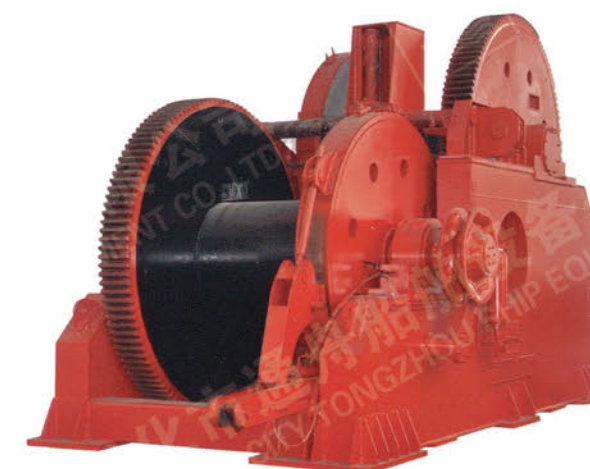
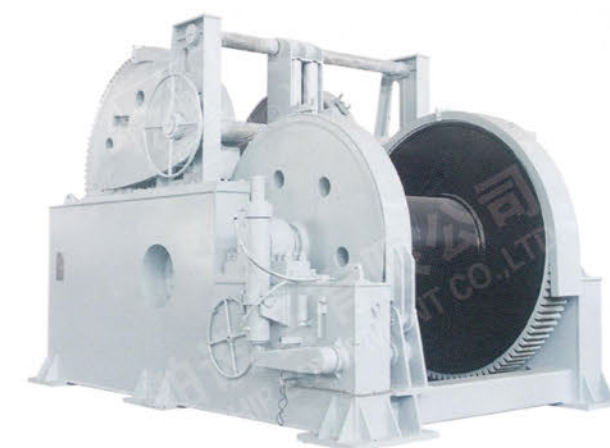
## 锚泊设备

Anchoring and mooring equipment

### 拖缆绞车 Towing winch

拖缆机主要为三用途供应船配套，是海上拖曳或港口拖带作业的重要设备，我司生产的拖缆机规格从300KN至3000KN，拖带卷筒有各种布置形式，包括：单卷筒双卷筒(瀑布式或对称式)，三卷筒等多种布置形式，结构紧凑，占用船舶空间小，各项性能技术指标已达到国际先进水平。可选配的恒张力系统和操锚系统可让拖缆机发挥更大的作用。

The towing machine is mainly used for supporting three purpose supply ships and is an important equipment for off-shore towing or port towing operations. Our company produces towing machines with specifications ranging from 300KN to 3000KN, and there are various types of towing drum arrangements, including single roll simple double drum (waterfall or symmetrical), three drum, and other forms of arrangement. The structure is compact, occupying less ship space, and various performance and technical indicators have reached international advanced levels. The optional constant tension system and anchor handling system allow the streamer to play a greater role.







## 锚泊设备

Anchoring and mooring equipment



### 拖缆绞车

Towing winch



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## 起重设备

Lifting equipment

### 门架式起重机Gantry crane

液压折臂门架属于特殊用途起重设备的部件。适用于安装船上，在近海工作条件下，与其它设备配合起吊海洋测量设备等之用。

The hydraulic folding arm gantry is a component of special purpose lifting equipment. Suitable for installation on ships, in conjunction with other equipment for lifting marine surveying equipment under offshore working conditions



### 伸缩式起重机Telescoping crane

伸缩臂起重机安装于不同类型的工程船和海上结构物。独特的伸缩臂设计，可以更好的节约存放空间，但却能够获得大的工作范围，是各种工程类船舶和海上结构物必备的起重设备。与众不同的伸缩臂结构外形的设计，改善了吊臂的受力情况，使得动作更为平稳，产品更加可靠。

Telescopic boom cranes are installed on different types of engineering ships and offshore structures. The unique telescopic arm design can better save storage space, but it can achieve a large working range and is an essential lifting equipment for various engineering ships and offshore structures. The unique design of the telescopic arm structure improves the stress situation of the lifting arm, making the movement more stable and the product more reliable.







## 起重设备

Lifting equipment



## 起重机Crane

起重机安装于不同类型的散货船、工程船和海上结构物。产品满足各大船级社的要求。独特的架臂设计，不仅可以获得较小的自身重量，而且可以大大降低恶劣的海况对设备在工作中的影响。与众不同的转台结构设计，使得结构的受力更为简单和合理，大大提升产品的安全性能。

Cranes are installed on different types of bulk carriers, engineering ships, and offshore structures. The product meets the requirements of major classification societies.

The unique arm design not only allows for smaller self weight, but also greatly reduces the impact of harsh sea conditions on the equipment during operation. The unique design of the turntable structure makes the stress on the structure simpler and more reasonable, greatly improving the safety performance of the product.

## 折叠式起重机Telescoping crane

折叠臂起重机安装于不同类型的工程船和海上结构物。产品满足各大船级社的要求。独特的折叠臂设计，可以更好的节约存放空间，但却能够获得大的工作范围，是各种工程类船舶和海上结构物必备的起重设备。可选配的波浪补偿系统，使得我们的起重机可以在深海海底有更大的用武之地。

Folding boom cranes are installed on different types of engineering ships and offshore structures. The product meets the requirements of major classification societies.

The unique folding arm design can better save storage space, but it can achieve a large working range and is an essential lifting equipment for various engineering ships and offshore structures. The optional wave compensation system allows our crane to have greater potential in the deep seabed.







## 锚泊设备

Anchoring and mooring equipment



## 工程绞车 Engineering winch

广泛应用于各类航行船舶和工程船舶，设计和制造能力至3000kn，配套船舶载重吨位自1000DWT到300000DWT。动力源为液压驱动或电力驱动。产品成功吸取了与国外厂家多年来的合作经验，使得我们的产品操作更加方便，性能更加可靠，产品的技术含量在国际市场于领先地位。

Widely used in various navigation and engineering ships, with a design and manufacturing capacity of up to 3000kn, and supporting ship deadweight tons ranging from 1000DWT to 300000DWT. The power source is hydraulic or electric drive. The product has successfully drawn on years of cooperation experience with foreign manufacturers, making it more convenient to operate and reliable in performance. The technical content of our products is at the forefront of the international market.







## 锚泊设备

Anchoring and mooring equipment



## 鲨鱼钳 Shark jaw



## 鲨鱼钳Shark jaw

鲨鱼钳是一种广泛应用于各类船舶的船用安全设备。其主要功能是将缆绳或钢绳抱紧，防止缆绳、钢绳、锚链滑动。

鲨鱼钳装置由安装在船尾甲板的鲨鱼钳、挡缆桩、尾滚筒、液压泵站和电控等系统组成。

兴化市通舟船舶设备有限公司为三用拖船设计的鲨鱼钳装置担负着拖带、起抛锚和供应三大任务。

为了安全、迅速、有效地为钻井平台实施起抛锚作业，新设计的三用拖船无一例外地配置了鲨鱼钳装置。

Shark jaw are a widely used marine safety equipment for various types of ships. Its main function is to hold the cable or steel rope tightly, preventing the cable, steel rope, and anchor chain from sliding.

The shark jaw device consists of a shark jaw installed on the stern deck, a cable blocking pile, a tail drum, a hydraulic pump station, and an electrical control system.

The shark jaw device designed by Xinghua Tongzhou Ship Equipment Co., Ltd. for the three purpose tugboat is responsible for three major tasks: towing, anchoring, and supply.

In order to safely, quickly, and effectively carry out anchor lifting operations for drilling platforms, the newly designed three purpose tugboats are all equipped with shark pliers devices.







## 锚泊设备

Anchoring and mooring equipment

### 系泊绞车 Mooring winch



### 系泊绞车 Mooring winch

通舟设计和制造各类系泊绞车已广泛应用于各类航行船舶和工程船舶，设计和制造能力至1500kn，系缆绞盘设计和制造能力至800kn，配套船舶载重自1000DWT到300000DWT。动力源为液压驱动或电力驱动。产品成功吸取了与国外厂家多年来的合作经验，使得我们的产品操作更加方便，性能更加可靠，产品的技术含量在国际市场处于领先地位。

The various mooring winches designed and manufactured by Tongzhou have been widely used in various navigation and engineering ships, with a design and manufacturing capacity of up to 1500kn, a mooring winch design and manufacturing capacity of up to 800kn, and supporting ship load tons ranging from 1000DWT to 300,000DWT. The power source is hydraulic or electric drive. The product has successfully drawn on years of cooperation experience with foreign manufacturers, making it more convenient to operate and reliable in performance. The technical content of our products is at the forefront of the international market.







## 锚泊设备

Anchoring and mooring equipment



### 起锚系泊组合机

Anchor & mooring Combined windlass



### 起锚系泊组合机

Anchor & mooring Combined windlass

产品主要由动力单元、执行机构及控制系统三部分组成。适用散货船、集装箱船、油船、LNG船、化学品液货船、滚装船、渔船等。公司可根据用户需求设计制造各种大、中、小型电动或液压驱动的起锚系泊组合机，具有拉力大、容绳量多、制动安全可靠等特点，能满足国内外所有大中型船舶的起抛锚作业、系缆绞绳要求。

The product mainly consists of three parts: power unit, actuator, and control system. Suitable for bulk carriers, container ships, oil tankers, LNG ships, chemical tankers, ro-ro ships, fishing vessels, etc. The company can design and manufacture various large, medium, and small electric or hydraulic driven anchor and mooring combination machines according to user needs, which have the characteristics of high pulling force, large rope capacity, safe and reliable braking, and can meet the requirements of anchor lifting and mooring for all large and medium-sized ships at home and abroad.



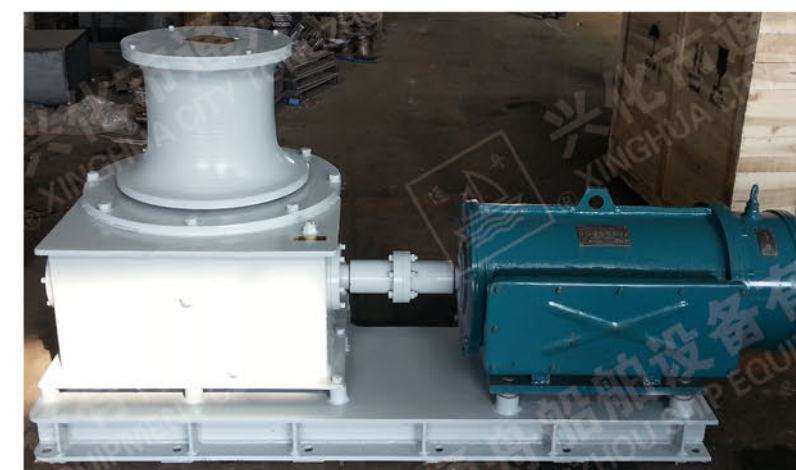




## 锚泊设备

Anchoring and mooring equipment

### 起锚机 Windlass



### 系统绞盘、起锚绞盘 Capstan & Anchor Capstan





## 液压舵机

Hydraulic steering gear



### ■ 液压舵机Hydraulic steering gear

舵机是用来保持或改变船舶航行方向的重要设备，对船舶的安全航行起重要作用。通舟引进国内外先进技术，生产DYA、DYB系列液压舵机，可为500吨~50万吨的各类船舶配套。具有结构简单，安装方便，低噪音，安全可靠，经久耐用的特点。

The steering gear is an important equipment used to maintain or change the direction of ship navigation, playing an important role in the safe navigation of ships. Tongzhou introduces advanced technology from both domestic and international sources to produce DYA and DYB series hydraulic steering engines, which can be used for various types of ships ranging from 500 tons to 500,000 tons. It has the characteristics of simple structure, convenient installation, low noise, safety and reliability, and durability.

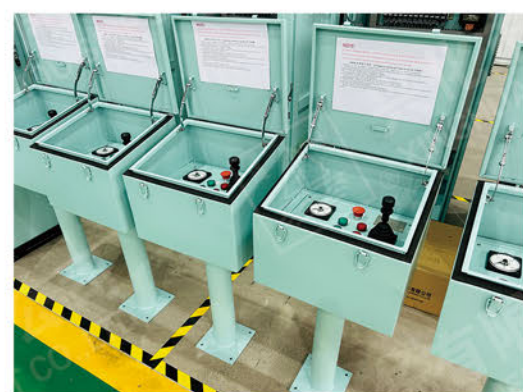






## 电气设备

Electrical equipment



## 电气设备

Electrical equipment

为锚机、绞车、舵机、起重机等各种船用设备配套，对电动机进行过载和短路保护，抗振动和冲击，耐潮湿空气、盐雾、油雾和霉菌。可定制 AC380V 50HZ 或 AC440V 60HZ 及其他各种特殊电制。

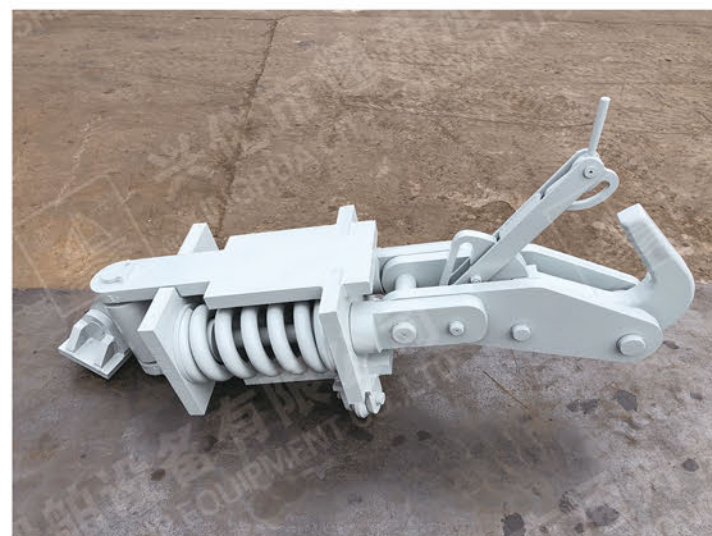
Equipped with various marine equipment such as windlass, winch, steering gear, crane, etc., it provides overload and short circuit protection for motors, resists vibration and impact, and is resistant to humid air, salt mist, oil mist, and mold. Customizable AC380V 50HZ or AC440V 60HZ and various other special electrical systems.







## 舾装件 Outfitting parts



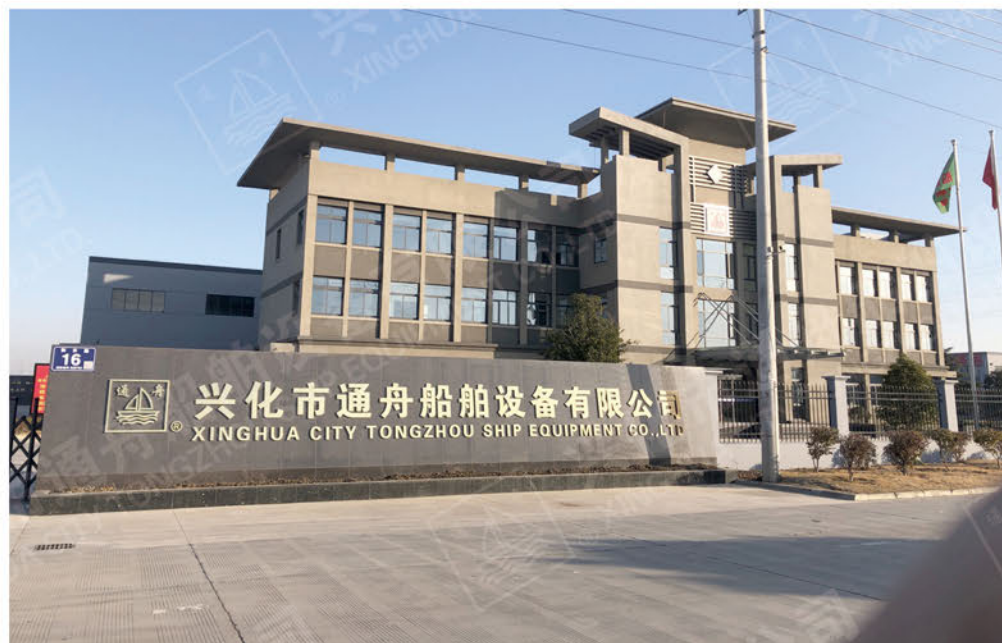
电缆绞车  
Cable winch





# 兴化市通舟船舶设备有限公司

XINGHUA CITY TONGZHOU SHIP EQUIPMENT CO.,LTD.



## 通舟愿景Tongzhou Vision

2023年兴化市通舟船舶设备有限公司迁入新厂区，历经13年风雨兼程。通舟正不断的优化自己的设计理念，提高产品性能，以进一步拓宽全球服务范围，为产品服务于更多的国家和地区打下良好基础。通舟将抓住一切挑战和机遇，创造新的辉煌。

In 2023, Xinghua Tongzhou Ship Equipment Co., Ltd. relocated to the new factory area, going through 13 years of ups and downs. Tongzhou is continuously optimizing its design philosophy, improving product performance, and further expanding its global service scope, laying a solid foundation for its products to serve more countries and regions. Tongzhou will seize all challenges and opportunities to create new brilliance.

