



常州液压成套设备厂有限公司

CHANGZHOU HYDRAULIC COMPLETE EQUIPMENT CO.,LTD.

创新无限 | 诚信永远 | 扬帆起航 | 与时俱进



供应商资质文件

Supplier's Qualification

Web: www.czhydraulic.com



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● 新能源建设储能版块核心设备供应商

Core equipment supplier of new energy construction and energy storage section.

常州液压成套设备厂有限公司，位于江苏常州武进国家高新技术产业开发区新辉路1号，始于1990年，至今已有逾三十年生产各类液压启闭机成套设备、液压油缸及液压控制系统的经验。公司占地面积140亩，建筑面积68000 m²，技术力量雄厚，工艺先进，五大系列产品【液压启闭机成套设备】、【应用工业液压油缸及其控制系统】、【接力器】、【热喷涂】、【激光熔覆】覆盖水利水电、应用工业、海工船舶等领域，各类产品质量可靠，在国内外赢得了良好的声誉。

Changzhou Hydraulic Complete Equipment Co., Ltd. is located in No. 1 Xinhui Road, Wujin National High-Tech Industrial Zone, Jiangsu Province. The company was established in 1990 and has more than 30 years of experience in producing complete sets of hydraulic hoist equipment, hydraulic cylinders and hydraulic control systems. The company covers an area of 93,333 m² where the building area is 68,000 m². The company has strong technical force and advanced technology. Five series of products, including [complete set of hydraulic hoist equipment], [applied industrial hydraulic cylinder and its control system], [servomotor], [thermal spraying], and [surface treatment], cover four major fields of water conservancy and hydropower, application industry, marine engineering ships, and other fields. All kinds of products are of reliable quality and have won a good reputation at home and abroad.

<p>● 率先拥有超大型液压式启闭机使用许可证和设计许可证书</p>	<p>● 中国船舶与海洋工程张力补偿器制造中心</p>	<p>● 国内外著名品牌水轮机组过流面热喷涂的合作伙伴</p>	<p>● 水轮机组接力器的研发及生产制造基地</p>
<p>The company takes the lead in obtaining the use license and design license of the super-large hydraulic hoist</p>	<p>It is the manufacture center of tensional compensator for Chinese Marine and Oceanographic Engineering</p>	<p>Changzhou Hydraulic is the cooperative partner of domestic and international well-known hydro turbine manufacturers for thermal spray coating on the hydro turbine parts.</p>	<p>Changzhou Hydraulic is also a production base and R&D center for servomotors of hydro turbine.</p>

水利市场的初步参与，工业市场的不断开拓，在行业中找准定位
Initial participation in the water conservancy market, continuous exploration of the industrial market, and accurate positioning in the industry.

初创开拓期

Initial Development Period



三十余年

Over thirty years

发展历程三部曲

Trilogy of Development History



全面提升期

Comprehensive Improvement Period

产品质量全面提升，行业地位不断提高，
进入液压启闭机行业的——隐形冠军时代

The comprehensive improvement of product quality and the continuous improvement of industry status have entered the era of invisible champions in the hydraulic hoist industry.



全面发展期

Comprehensive Development Period

立足水利水电市场，全面进军
船舶、海工、冶金、建筑等新领域

Based on the water conservancy and hydropower market, we will comprehensively enter new fields such as shipbuilding, marine engineering, metallurgy, and construction.



始于 1990
SINCE 1990

1990 年 6 月

June 1990

沈立先生受水利局委派，上任武进电力配件厂经营厂长。同年改名为常州液压成套设备厂

Mr. Shen Li was appointed by the Water Conservancy Bureau as the operating director of Wujin Electric Power Fittings Factory. In the same year, it was renamed Changzhou Hydraulic Complete Equipment Factory.

1998 年 6 月

June 1998

力士乐独资，同年 11 月，在常州市武进高新区人民东路建成了常州液压成套设备厂新厂区

Rexroth achieved sole proprietorship. In November of the same year, a new factory area of Changzhou Hydraulic Complete Equipment Factory was built in Renmin East Road, Wujin High-tech Zone, Changzhou City

2003 年 6 月

June 2003

在常州市新北区镜湖路成立了全资子公司—常州神鑫液压成套设备有限公司

Established a wholly-owned subsidiary in Jinghu Road, Xinbei District, Changzhou City - Changzhou Shenxin Hydraulic Complete Equipment Co., Ltd



October 1996

1996 年 10 月

与液压企业曼内斯力士乐合资，成立了力士乐（常州）有限公司

Jointly invested with hydraulic enterprise Mannesmann Rexroth to establish Rexroth (Changzhou) Co., Ltd



August 2001

2001 年 8 月

更名为常州液压成套设备厂有限公司

Renamed Changzhou Hydraulic Complete Equipment Co., Ltd

May 2011

2011 年 5 月

成立常州神力热喷涂技术有限公司，进军金属防腐市场

Establish Changzhou Shenli Thermal Spraying Technology Co., Ltd. to enter the metal anti-corrosion market

September 2014

2014 年 9 月

由人民东路全部搬迁至新厂区——武进国家高新技术产业开发区新辉路 1 号

Relocation from Renmin East Road to the new plant area - No.1 Xinhui Road, Wujin National High and New Technology Industrial Development Zone

始于 1990
SINCE 1990

自 2005 年以来

Since 2005

我司相继为各大航道局配套了多艘 13500m³、13000m³、16888m³、15000m³、5000m³、9500m³ 等大型自航耙吸式挖泥船上使用的全部液压油缸（诸如新海龙号、新海凤号、新海牛号、通旭号等等），为国家的围海造田工程作出了巨大贡献。

Since 2005, our company has assorted all hydraulic cylinders for eleven trailing suction dredgers of 13500m³, 13000m³, 16888m³, 15000m³, 5000m³, 9500m³ etc., which solves the primary predicament that cylinders must

2017 年

The year of 2017

- 1) 我司为天津航道局配套了重型自航绞吸船“天鲲号”上的液压油缸，解决了原来此类油缸必须从国外进口的窘境；
- 2) 为探索 1、2 号科考船上配套了 A 架变幅油缸，起到防止深海潜器吊放及对深海潜器平稳升降的作用；
- 3) 同时还为其它各类船舶进行油缸配套，油缸被应用于各个领域，诸如开体泥驳船、打桩船、船用吊机、救生艇架、舵机、锚机、舱盖等等。

Since 'New Sea Tiger' was put into use in 2006, our company has manufactured cylinders for several self-propelled trailing suction dredgers (such as 'New Sea Dragon', 'New Sea Phoenix', 'New Sea Slug' and 'Communication' etc.), which has made great contributions for the national land reclamation projects. Since 2005, our company has assorted all hydraulic cylinders for eleven trailing suction dredgers of 13500m³, 13000m³, 16888m³, 15000m³, 5000m³, 9500m³ etc., which solves the primary predicament that cylinders must be imported from abroad. In 2009, company supplied cylinders for 4500 cubic self-propelled trailing suction dredger 'Sky Whale' of Tianjin Dredging Company, which was the biggest in Asia. In addition, company also supplies cylinders for various kinds of ships. These cylinders are used in different applications such like sludge barge, pile driving barge, marine crane, lifeboat, rudder, anchor and hatch cover etc.

The year of 2008

2008 年

我司为中海油能源发展股份有限公司建造的自安装采油平台配套了液压油缸、液压控制系统，电气控制系统，顺利完成总吨位 11200T 平台的提升，打破了该类项目一直由国外企业配套的历史，使我国第一座自安装采油平台真正实现了自主研发、国内采购的目标。该项目被评为江苏省首台（套）重大装备及关键部件项目，国家火炬计划项目。同年，公司成功为核电站提供了 70MPa 超高压液压油缸，突破了国内生产同类型液压油缸的制造瓶颈。

In 2009, our company assorted hydraulic and electric control systems for China Energy Engineering Group Co., Ltd., and was successfully lifting the CNOOC oil platform with a total weight of 5,500 tons, which broke the history that these projects had been only assorted by foreign enterprises, and reached the goal of independent research and development, and domestic procurement for the first this type of oil platform. This project had been evaluated as the Jiangsu's first set of major and key part project, and also the Chinese National Torch Program project. At the same year, the company had successfully provided 150MPa high pressure hydraulic cylinder for nuclear power station, which broke through the bottleneck of manufacturing this kind of hydraulic cylinders.



我司制造的液压启闭机成套设备及水轮机组接力器被广泛应用于水利水电领域，同时为军工、船舶、冶金、海事、油田等领域生产和配套各类液压缸和控制系统，已成功为国内外大中型水电站、水库、水闸、船闸等 2000 多个工程项目提供了液压启闭机、水轮机组接力器等优质的设备。

The company productions-hydraulic hoist complete equipment and servomotor for water-turbine generator set, are widely used in water conservancy and hydropower area. Meanwhile, the company manufactures and supports various kinds of hydraulic cylinders and control systems for military, ship, metallurgy, maritime and oilfield etc. The company has successfully provided high-quality equipment for projects like large and medium hydropower stations, reservoirs, sluices and ship locks etc.

案例-Case

● 长江流域

Yangtze river basin

白鹤滩、乌东德、溪洛渡、向家坝、金沙、龙开口、观音岩、梨园、黄金坪、沙坪、锦屏一级、两河口、桐子林、杨房沟、洪江、深溪沟、旬阳、巴塘、托巴等水电站，黄金峡水利枢纽，孤山、雅口、崔家营等航电枢纽。Hydropower stations such as Baihetan, Wudongde, Xiluodu, Xiangjiaba, Jinsha, Longkaikou, Guanyinyan, Liyuan, Huangjinping, Shaping, Jinping First Class, Lianghekou, Tongzilin, Yangfanggou, Hongjiang, Shenxigou, Xunyang, Batang, Toba, etc., as well as the Golden Gorge Water Conservancy Hub, and the navigation and power hubs of Gushan, Yakou, Cuijiaying, etc.

● 黄河流域

Yellow River Basin

斑多、积石峡、拉瓦西、羊曲、玛尔挡等水电站，小浪底水利枢纽工程。Hydropower stations such as Banduo, Jishixia, Lavasi, Yangqu, and Marduan, as well as the Xiaolangdi water conservancy hub project.

● 珠江流域

The Pearl River Basin

大化、乐滩、岩滩等水电站，高陂水利枢纽、老口航运枢纽等。Dahua, Letan, Yantan and other hydropower stations, Gaopi water conservancy hub, Laokou shipping hub, etc.

● 高原区域

Plateau region

多布水电站、苏洼龙水电站、两河口水电站，庞多水利枢纽、拉落水利枢纽等。Duobu Hydropower Station, Suwalong Hydropower Station, Lianghekou Hydropower Station, Pangduo Water Conservancy Hub, Laluo Water Conservancy Hub, etc.

● 其他流域

Other watersheds

戈兰滩水电站、水口水电站、出山店水库、丰满大坝重建工程等。Gorantan Hydropower Station, Shuikou Hydropower Station, Chushandian Reservoir, Fengman Dam Reconstruction Project, etc.

● 南水北调中线工程
和国内主要的
抽水蓄能电站
Three Gorges Project
on Changjiang River

- 国家电网公司的湖北白莲河、河南宝泉、河南天池、安徽响水涧、江西洪屏、福建仙居、山东文登、陕西镇安、黑龙江荒沟、辽宁清原、辽宁蒲石河、湖南平江、山东潍坊、浙江宁海、浙江缙云、浙江衢江、新疆阜康等抽水蓄能电站；
- 南方电网公司的海南琼中抽水蓄能电站、广东梅州抽水蓄能电站、广东阳江抽水蓄能电站；
- 三峡公司的浙江长龙山抽水蓄能电站；
- 江苏国信公司的溧阳抽水蓄能电站、福建闽投永泰等。

Middle-Route Project of S-N water diversion and the main pumped storage power stations in China, such as Hubei Bailian River, Henan Baoquan, Henan Tianchi, Anhui Xiangshuijian, Jiangxi Hongping, Fujian Xianju, Shandong Wendeng, Shanxi Zhen'an, Heilongjiang Huanggou, Liaoning Qingyuan and Liaoning Pushi River pumped storage power stations etc. of State Grid Corporation; and Hainan Qiongzong Pumped Storage Power Station of China Southern Power Grid Corporation; Zhejiang Changlongshan Pumped Storage Power Station of Three Gorges Company, Liyang Pumped Storage Power Station of Jiangsu Guoxin Company, etc..



公司同时拥有自营进出口商贸许可证，产品现已出口到除南极洲以外的各大洲及地区，如美洲厄瓜多尔美纳斯水电站、美国芝加哥 McCook Reservoir、欧洲白俄罗斯维捷布斯克水电站、哈萨克斯坦图尔古松水电站；非洲喀麦隆隆潘卡尔、乌干达卡鲁玛、赞比亚伊泰兹、下凯富峡、加蓬大布巴哈、津巴布韦卡里巴南岸、几内亚苏阿皮蒂、尼日利亚宗格鲁水电站等；亚洲老挝南欧江 5、6、7 级水电站、南俄 1、南公 1、南亚 2、XESET2、南梦 3、柬埔寨额勒赛上、下水电站、甘再 2、尼泊尔上马相迪 A、缅甸布鲁桥、勐瓦水电站、泰国拉姆瑟波特、乔那布特、马来西亚胡鲁、印度尼西亚 Jatigede、巴基斯坦卡洛特、汉华电站等，在国内外赢得了良好的声誉。

The Company has self-management import and export business license. The products have been exported to Africa, European, South America, and Southeast Asia etc., such as Souapiti Water Conservancy Project in Guinea, Nanoujiang Stage-5, Stage-6 and Stage-7 Hydropower Stations in Laos, Lahm Potter Power Station, Jonah Bout Power Station in Thailand, Guatemala Power Station, Vitebsk Power Station in Belarus, Cameroon Lom Pangar Station, etc. which has won a good reputation both at home and abroad.

我司于 90 年代中期率先引进强力珩磨机、数控机床及加工中心。2010 年率先引进欧洲先进的超音速、等离子热喷涂陶瓷活塞杆生产流水线及技术专利；2012 年再次率先引进欧洲先进的水轮机组过流部件热喷涂生产流水线及技术专利；2014 年为配合国家海洋发展规划，公司从美国引进了激光熔覆全套设备及技术。目前，公司可为客户量身定制在各种不同工况条件下使用的活塞杆，水轮机组过流部件、工业易损件的热喷涂加工。

Changzhou Hydraulic set of equipment. In the mid of 1990s, the company was the first to import world-class HTH series honing machines and CNC machines. In 2010, the company imported advanced plasma and HVOF thermal spray production line and patent from Europe for piston rod ceramic coating. In 2012, the company imported another advanced thermal spraying production line and patent from Europe for coating hydro turbine parts. In 2014, the company imported the most advanced laser cladding production line and technology from USA in order to match up the national Oceanographic Engineering development program. Now, the company is able to manufacture the piston rods according to the different applications for the customer. As well as the thermal spray coating for the hydro turbine parts and the products which have the wear problems.



数控卧式车床 加工长度 16m
CNC horizontal lathe processing length 16m



动柱龙门五面加工中心
Moving column gantry five sided machining center



美国善能珩磨机
US SUNNEN honing machine



重型深孔镗床内孔直径 1.8m 长度 60m
Heavy-duty deep hole boring machine, inner bore diameter 1.8m, length 60m



威力龙门五面体加工中心
Weili gantry pentahedron machining center



油机立式车床
Oil engine vertical lathe



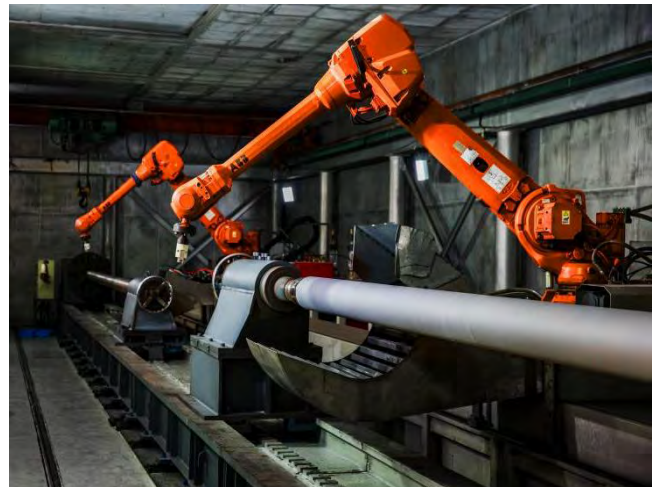
斗山卧车 加工长度 5m
The processing length of Doosan sleeper is 5m



斗山卧车
Doosan sleeping car



液压系统综合测试台
Hydraulic system comprehensive test bench



欧洲进口热喷涂生产线(等离子+超音速)
European imported thermal spraying production line
(plasma+supersonic)

超大型液压启闭机设计许可

质量管理体系



Quality Management System Certificate

职业健康安全管理体系



Environmental Management System Certificate

环境管理体系



Occupation Health Safety Management System Certificate



Super-large hydraulic hoist design certificate



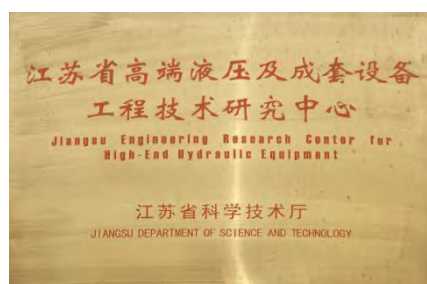
企业信用等级证书
Certificate of enterprise credit grade



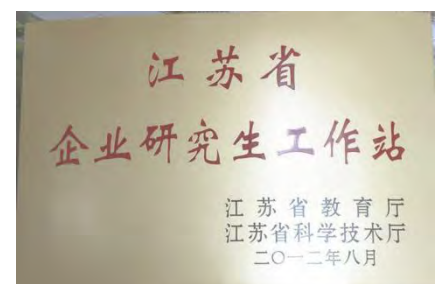
江苏省专精特新中小企业
Jiangsu Province specialized in new small and medium-sized enterprises



国家高新技术企业证书
National High tech Enterprise Certificate



江苏省高端液压及成套设备工程技术研究中心
Jiangsu Province High end Hydraulic and Complete Equipment Engineering Technology Research Center



江苏省企业研究工作站
Jiangsu Province Enterprise Research Workstation



白鹤滩工程 2020 年度启闭机优秀制造商
Outstanding hoist manufacturer
of Baihetan Project in 2020



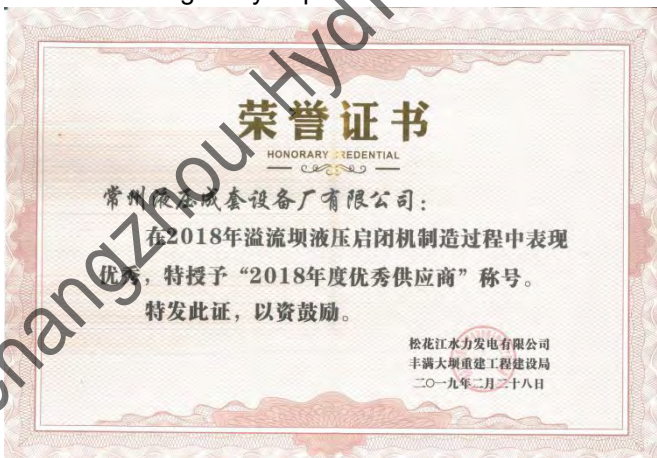
金沙江金沙水电站 2020 年度优秀制造商
Outstanding Manufacturer of Jinsha River Jinsha
Hydropower Station in 2020



乌东德水电站 2020 年度
设备制造先进供应商
Advanced equipment manufacturing supplier of
Wudongde Hydropower Station in 2020



中部引黄工程 2020 年度优秀供应商
Outstanding Supplier of the Central Yellow River
Diversion Project in 2020



丰满大坝溢流坝启闭机优 2018 年度优秀供应商
Excellent Supplier of Fengman Dam
Overflow Dam Hoists in 2018



河口村大禹奖证书
Certificate of the Great Yu Award in Hekou Village



- 

多项发明专利
Has a number of invention patents.
- 

参与行标制定
Participate in the formulation of bank standards
- 

多年设计经验
Have many years of design experience
- 

专业设计能力
Have professional design ability.



服务能力 | 非标定制

Service capability | Non-standard customization

服务能力 | 全面保障

Service capability | Comprehensive guarantee



• **具备独立的新产品设计和开发能力，新产品的关键技术均拥有自主知识产权**

Have independent new product design and development capabilities..The key technologies of new products all have independent intellectual property rights.

公司配置有专业的工程设计部，同步进行技术专利申请及新产品研发，新产品的关键技术均拥有自主知识产权。同时，多次参与行业标准制定会议，在业内拥有广泛认可。

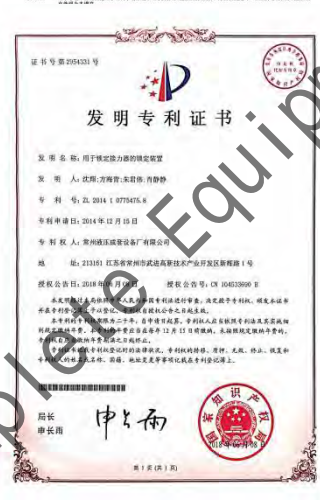
The company is equipped with a professional engineering design department to apply for technology patents and develop new products simultaneously. The key technologies of new products have independent intellectual property rights. At the same time, Changzhou Hydraulic has participated in industry standard-setting meetings for many times and has been widely recognized in the industry.

• **售前、售中、售后全方位支持，30 逾年行业专业服务！**

All-round support before, during and after sales, and more than 30 years of industry professional services!

在多年的生产和服务过程中，公司拥有了完善的质量管理体系和先进的检测手段，积累了丰富的设计、制造、安装、调试和运行维护经验。公司秉承售前、售中、售后全方位的服务理念，以保证质量、客户满意为终极目标。

In the process of production and service for many years, the company has a perfect quality management system and advanced testing methods, and has accumulated rich experience in design, manufacture, installation, commissioning and operation and maintenance. Companies adhering to the pre-sale, sale, after-sale all-round service concept, to ensure quality, customer satisfaction as the ultimate goal.



序号 NO.	专利证书名称(部分) /A part of patent certificate	专利证书名称(部分) /A part of patent certificate
1	水介质球阀接力器新产品鉴定证书	New product identification certificate of water medium ball valve servomotor
2	倒挂顶推式闸门	Inverted overhead gate
3	快速响应气液缸	Quick response pneumatic cylinder
4	液压启闭机用十字支承装置	Cross bearing device for hydraulic hoist
5	液压启闭机油缸旋转式锁定装置	Rotary locking device of hydraulic hoist oil cylinder
6	液压启闭机用紧凑型连接装置	Compact connection device for hydraulic hoist
7	用于锁定接力器的锁定装置	Locking device for locking servomotor
8	提高基体与陶瓷涂层结合强度的工艺	Process for improving the bonding strength of matrix and ceramic coating

五大产品 / Five major products

- 1

液压启闭机
成套设备

Hydraulic hoist
equipment
- 2

接力器

Servomotor
- 3

工程油缸

Industrial
Cylinder
- 4

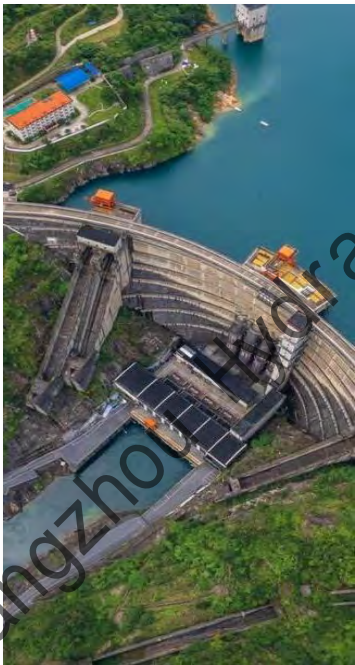
热喷涂

Thermal
Spray
- 5

激光熔覆

Laser
Cladding

应用领域 / Application area



水利水电

Water conservancy and
hydropower



应用工业

Applied
Industry

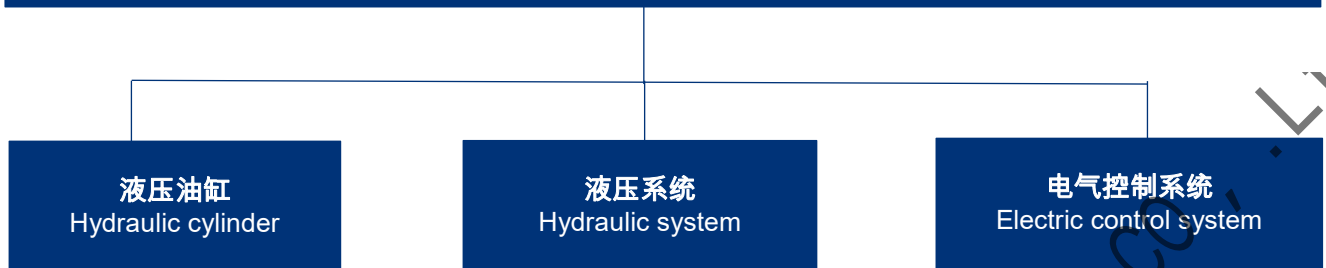


海工船舶

Marine
engineering ship

液压启闭机成套设备

Complete set of hydraulic hoist equipment



(1) 液压油缸 Hydraulic cylinder

三十逾年大型液压油缸生产经验，可非标定制，液压油缸装备能力可实现缸径达 1.25m，行程达 25m。
More than 30 years of experience in the production of large-scale hydraulic cylinders, which can be customized non-standard. The hydraulic cylinder equipment capacity can achieve a cylinder diameter of 1.25m and a travel distance of 25m.

(2) 液压系统 Hydraulic system

模块化设计，实现积木式安装，可非标定制，实际运行中安全可靠，便于维护。
Modular design, achieving modular installation and non-standard customization, ensuring safe and reliable operation and easy maintenance.

(3) 电气控制系统 Electric control system

- 以液压系统的运行要求为基础，针对各种不同的应用场景进行设计制造，满足不同需求。
- 智能化配置，助力客户迈向无人值班，少人值守。
- Based on the operational requirements of the hydraulic system, design and manufacture for various application scenarios to meet different needs.
- Intelligent configuration helps customers move towards unmanned and fewer people on duty.

新疆阜康抽水蓄能电站
液压启闭机成套设备 ▶

Xinjiang Fukang Pumped
Storage Power Station
Complete set of hydraulic
hoist equipment ▶



继电器产品种类

Types of relay products

导叶接力器
Guide vane
servomotor

球阀接力器
Ball valve
servomotor

筒阀接力器
Cylinder valve
servomotor

蝶阀接力器
Butterfly valve
servomotor

应用工业油缸及系统 / Application of industrial oil cylinders and systems

我司支持非标定制各类液压油缸及液压系统，以及顶升钢平台配套爬模、顶模液压系统，包括超大型结构件整体移动的提升器。涉及领域包含金属熔炼、铸造、环保、钢铁生产线、各类工矿业作业器械、大型游乐设施、舞台执行机构、建筑业等。

Our company supports non-standard customization of various hydraulic cylinders and systems, as well as supporting climbing and top mold hydraulic systems for lifting steel platforms, including elevators for the overall movement of ultra large structural components. The fields involved include metal smelting, casting, environmental protection, steel production lines, various industrial and mining equipment, large-scale amusement facilities, stage execution agencies, construction industry, etc.

热喷涂 / Thermal spray

热喷涂涂层是一种喷涂在物体（通常称为基体）表面的一种覆盖层，用来提高表面性能或保护工件，通过使用保护性涂层来解决机械磨损和腐蚀。

Thermal spraying coating is a type of covering layer sprayed on the surface of an object (usually referred to as the substrate) to improve surface performance or protect the workpiece. It solves mechanical wear and corrosion by using protective coatings.

激光熔覆 / Laser Cladding

激光熔覆是通过在基材表面添加熔覆材料，并利用高能密度的激光束使之与基材表面薄层一起熔凝的方法，在基层表面形成冶金结合的添料熔覆层。可显著改善基体材料表面的耐磨、耐蚀、耐热、抗氧化或电气特性。

Laser cladding can significantly improve the wear resistance, corrosion resistance, heat resistance, oxidation resistance, or electrical properties of the substrate material surface.



白鹤滩水电站

QPKY-8000kN/12500kN-12.65m (左岸进水口快速闸门)	8 套
QHSY-2×5000kN-15.6m (泄洪洞)	3 套
水轮发电机组导叶接力器 (单机容量为 100 万千瓦)	8 台套

白鹤滩水电站位于四川省，以发电为主，兼有防洪、拦沙、改善下游航运条件和发展库区通航等综合效益。电站安装 16 台中国自主研发、全球单机容量最大功率百万千瓦水轮发电机组，总装机容量 1600 万千瓦。2022 年 12 月 20 日，白鹤滩水电站 16 台百万千瓦水轮发电机组全部投产发电，标志着我国长江上全面建成清洁能源走廊，能够满足约 7500 万人一年的生活用电需求，可替代标准煤约 1968 万吨，减排二氧化碳约 5200 万吨。

我公司荣获“2019”年度优秀制造商及“2020 年度启闭机优秀制造商”称号，得到了中国三峡建设管理公司白鹤滩工程建设部的认可。

The Baihetan Hydropower Station is located in Sichuan Province, mainly for power generation, and has comprehensive benefits such as flood control, sediment retention, improving downstream navigation conditions, and developing navigation in the reservoir area. The power station is equipped with 16 domestically developed and globally capable million kilowatt water turbine generator units, with a total installed capacity of 16 million kilowatts. On December 20, 2022, all 16 million kilowatt water turbine generator units of Baihetan Hydropower Station were put into operation for power generation, marking the comprehensive construction of a clean energy corridor on the Yangtze River in China, which can meet the daily electricity demand of about 75 million people per year, replace about 19.68 million tons of standard coal, and reduce carbon dioxide emissions by about 52 million tons. Our company has been awarded the titles of "2019 Excellent Manufacturer" and "2020 Excellent Manufacturer of Hoists", and has been recognized by the Construction Department of the Baihetan Project of China Three Gorges Construction Management Company.

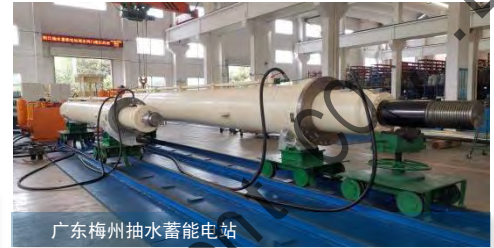




溧阳抽水蓄能电站 QPKY-5000KN/2000KN-7.15m (尾水事故闸门)



新疆阜康抽水蓄能电站



广东梅州抽水蓄能电站

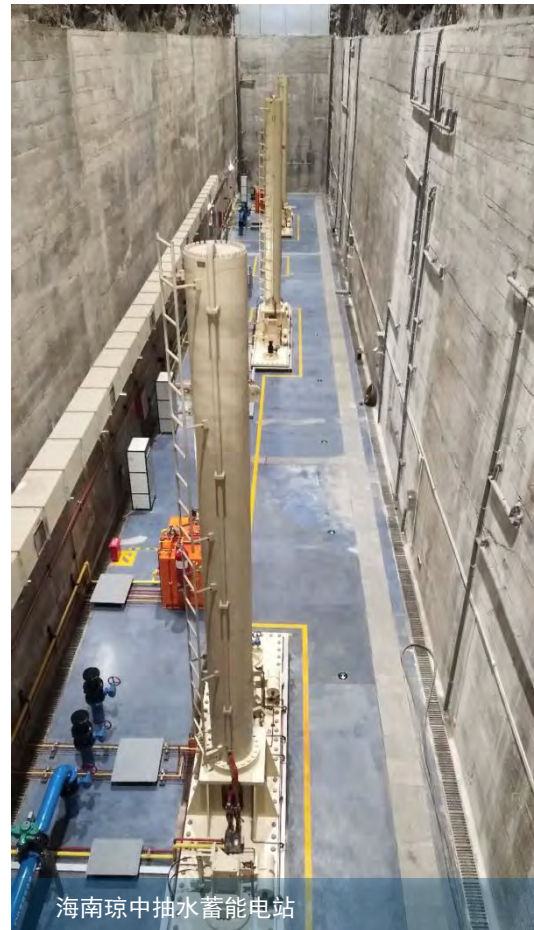
蓄能式水电站将离峰电力以水的势能储存起来的大型装置，在用电的尖峰时间再用来发电。随着我国新兴能源的大规模开发利用和提出“力争 2030 年前实现碳达峰、2060 年前实现碳中和”目标要求，常州液压坚定支持绿色低碳循环发展道路，抽水蓄能电站中使用的液压启闭机主要为尾水闸门液压启闭机、泄洪洞液压启闭机以及溢洪道液压启闭机。

我公司已为湖北白莲河、河南宝泉、江西洪屏、福建仙居、山东文登、陕西镇安、黑龙江荒沟、辽宁清原、湖南平江、山东潍坊、浙江宁海、浙江缙云、新疆阜康、海南琼中、广东梅州、广东阳江、浙江长龙山、溧阳、永泰等抽水蓄能电站项目提供了各类液压启闭机及接力器设备。

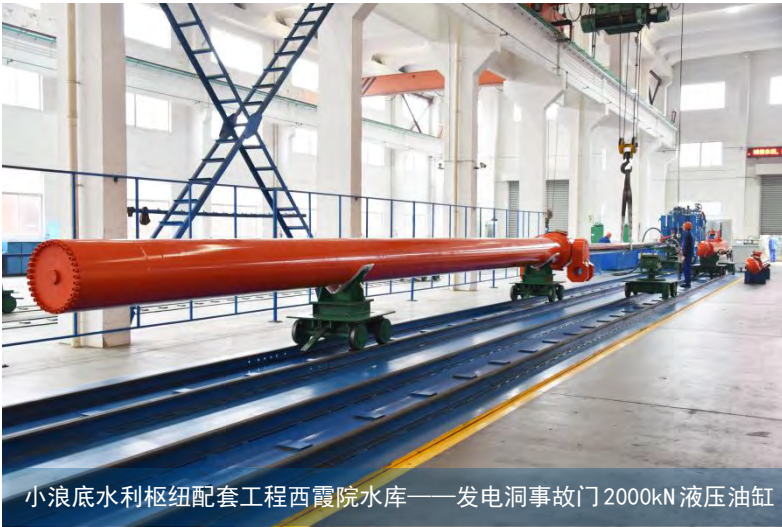
抽水蓄能电站 / Pumped storage power station

A large device that stores off peak electricity as the potential energy of water in a storage type hydropower station, which is used to generate electricity during peak hours. With the large-scale development and utilization of emerging energy in China and the requirement of "striving to reach the peak of carbon by 2030 and achieve carbon neutrality by 2060", Changzhou Hydraulic firmly supports the green and low-carbon carbon cycle development path. The hydraulic hoists used in pumped storage power stations are mainly tailgate hydraulic hoists, spillway hydraulic hoists and spillway hydraulic hoists.

Our company has provided various hydraulic hoists and relay equipment for pumped storage power station projects such as Baillianhe in Hubei, Baoquan in Henan, Hongping in Jiangxi, Xianju in Fujian, Wendeng in Shandong, Zhen'an in Shaanxi, Huanggou in Heilongjiang, Qingyuan in Liaoning, Pingjiang in Hunan, Weifang in Shandong, Ninghai in Zhejiang, Jinyun in Zhejiang, Fukang in Xinjiang, Qiongzong in Hainan, Meizhou in Guangdong, Yangjiang in Guangdong, Changlongshan in Zhejiang, Liyang, and Yongtai in Zhejiang.



海南琼中抽水蓄能电站



小浪底水利枢纽配套工程西霞院水库——发电洞事故门2000kN 液压油缸



液压启闭机的维修与改造 / Maintenance and Transformation of Hydraulic Hoists

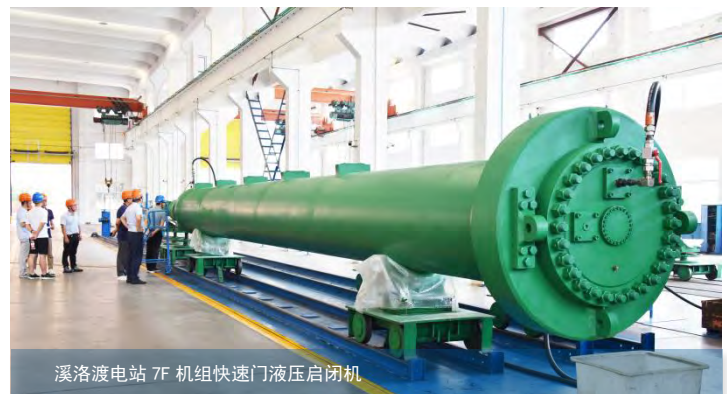
【典型案例】：西霞院水库，是黄河小浪底水利枢纽的配套工程，维修改造项目工作内容包括：胸墙式泄洪闸液压油缸新制2支，维修14支；发电洞事故门液压油缸新制3支，维修12支，新制油缸已顺利完成出厂验收。溪洛渡电站7F机组快速门液压启闭机维保检修对油缸进行了全面的拆解检测，并对缓冲套、缓冲环配合间隙调整、活塞杆表面防腐、吊耳等进行了优化设计处理。

【 Typical Case 】: Xixiyuan Reservoir is a supporting project of the Xiaolangdi Water Conservancy Hub on the Yellow River. The maintenance and renovation project involves the production of 2 new hydraulic cylinders and maintenance of 14 hydraulic cylinders for the breast wall spillway gate; Three new hydraulic cylinders have been manufactured and 12 have been repaired for the emergency gate of the power tunnel. The new hydraulic cylinders have successfully completed factory acceptance. The maintenance and repair of the quick door hydraulic hoist for Unit 7F of Xiluodu Power Station conducted a comprehensive disassembly and inspection of the oil cylinder, and optimized the design and treatment of the buffer sleeve, buffer ring clearance adjustment, piston rod surface anti-corrosion, lifting ears, etc.



▲检修前 VS 检修后▼

▲Before maintenance VS after maintenance ▼



溪洛渡电站7F机组快速门液压启闭机



“疏浚旗舰”天鲲号，国之重器——被誉为填海造陆的“造岛神器”

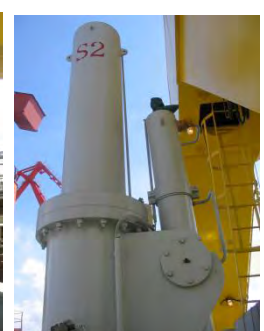


新海虎号液压油缸

船舶工程 / Ship Engineering

我国自主设计建造的亚洲自航绞吸挖泥船——“天鲲号”，全船长 140 米，宽 27.8 米，最大挖深 35 米，总装机功率 25843 千瓦。设计每小时挖泥 6000 立方米，绞刀额定功率 6600 千瓦。该船是中国疏浚史上高新技术与重型装备制造高度融合的里程碑。我公司为“天鲲号”配备了辅桩钢桩门开闭油缸、辅桩钢桩门锁定油缸、桥架耳轴油缸、桥架倾倒轴油缸、桥架锁固销轴油缸、较刀止挡器油缸，共六种不同部位使用的油缸。此外我公司还为其它各类船舶进行油缸配套，油缸被应用于各个领域，诸如绞吸式挖泥船、耙吸式挖泥船、开体泥驳船、打桩船、船用吊机、救生艇架、舵机、锚机、舱盖等等。

The Asian self-propelled cutter suction dredger "Tiankun", independently designed and built by China, has a total length of 140 meters, a width of 27.8 meters, a maximum excavation depth of 35 meters, and a total installed power of 25843 kilowatts. Designed to excavate 6000 cubic meters of mud per hour, with a rated power of 6600 dry watts for the cutter. This ship is a milestone in the highly integrated high-tech and heavy equipment manufacturing in the history of Chinese dredging. Our company has equipped the "Tiankun" with auxiliary pile steel pile door opening and closing cylinders, auxiliary pile steel pile door locking cylinders, bridge ear axis cylinders, bridge tilting axis cylinders, bridge locking pin axis cylinders, and knife stopper cylinders, which are used in six different parts. In addition, our company also provides oil cylinder matching for other types of ships, and the oil cylinder is applied in various fields, such as cutter suction dredgers, trailing suction dredgers, open body mud barges, pile drivers, marine cranes, lifeboat racks, steering gear, anchor machines, hatch covers. and so on.



液压启闭机成套设备 / Complete set of hydraulic hoist equipment



三峡白鹤滩水电站
QPKY-8000/12500kN-12.65m 8套
Three Gorges Baihetan Hydropower Station



三峡溪洛渡水电站
QPKY-4500kN/10000kN-11.5m 9套
Three Gorges Xiluodu Hydropower Station



三峡乌东德水电站
QHSY-2x3600kN/2x800kN-13.7m 3套
Three Gorges Wudongde Hydropower Station



大渡河双江口水电站
QHSY-2500/800kN-9.04m 1套
Dadu River Shuangjiangkou Hydropower Station



巴基斯坦卡洛特水电站
QHSY-2x2000kN/2x400kN-14m 2套
Karot Hydropower Station in Pakistan



尼日利亚宗格鲁水电站
QHLY-2x3600kN-9.2m 4套
Zonggru Hydropower Station in Nigeria

液压启闭机成套设备 / Complete set of hydraulic hoist equipment



雅砻江两河口水电站
QHLy-2×5000kN-11.292m 1套
Yalong River Lianghekou Hydropower Station



汉江孤山航电枢纽工程
QHLy-2×3600kN-13.4m 11套
Han River Gushan Navigation and Power Hub Project



南网梅州抽水蓄能电站
QPKY-7200/3000kN-8.15m 4套
Nanwang Meizhou Pumped Storage Power Station



国网文登抽水蓄能电站
QPKY-4000/1000kN-5.4m 6套
State Grid Wendeng Pumped Storage Power Station



国网荒沟抽水蓄能电站
QPPY II-3600/1000kN-6.0m 4套
State Grid Huanggou Pumped Storage Power Station



福建永泰抽水蓄能电站
QPKY-1250/5000kN-6.4m 4套
Fujian Yongtai Pumped Storage Power Station

液压启闭机成套设备 / Complete set of hydraulic hoist equipment



浙江长龙山抽水蓄能电站
QPPY-3600/1000kN-6m

Heilongjiang Huanggou Pump-storage Power Station

黑河黄藏寺水利枢纽工程
QHSY-3000/1000kN-7m

Heihe Huangzangsi Water Conservancy Hub Project



引江济淮工程蜀山船闸
QRWY-2000/2000kN-4.9m

Shushan Shiplock of the Yangtze River to Huaihe River
Diversion Project

嘉陵江利泽航运枢纽工程
QRWY-1000/1000kN-4.87m

Jialing River Lize Navigation Hub Project



引汉济渭工程黄金峡水利枢纽
QPKY-2500/5000kN-12.5m 3套

Huangjinxia Water Conservancy Hub of the Han River
Diversion Project to the Wei River

丰满大坝重建工程
QHLY-2x2500kN-9.2m

Fengman Dam Reconstruction Project

接力器 / Servomotor



乌东德水电站水轮机组接力器, 单机容量 85 万千瓦
Hydroturbine unit servomotor of Wudongde
Hydropower Station, with a unit capacity of 850000 kW



白鹤滩水电站水轮机接力器, 单机容量 100 万千瓦
The hydraulic turbine relay of Baihetan Hydropower
Station, with a single unit capacity of 1 million kilowatts



梅州水介质球阀接力器
Ball valve servomotor
of Liyang pumped-storage power station



阜康球阀接力器
Ball valve servomotor
of Fukang pumped-storage power station



阳江球阀接力器
GBall valve servomotor
of Yangjiang pumped-storage power station



阳江导叶接力器
Guide vane servomotor
of Yangjiang pumped-storage power station

接力器 / Servomotor



文登导叶接力器
Guide vane servomotor
of Wendeng pumped-storage power station



宁海球阀接力器
Ball valve servomotor
of Pushi River Hydropower station



葡萄牙 FR 项目球阀接力器
Ball valve servomotor of Portugal FR project



蒲石河球阀接力器
Ball valve servomotor
of Pushi River Hydropower station



白莲河抽水蓄能电站球阀接力器
Ball valve servomotor
of Bailianhe pumped-storage power station



白莲河抽水蓄能电站导叶接力器
Guide vane servomotor
of Bailianhe pumped-storage power station

液压系统 / Hydraulic system



喀麦隆 隆潘卡尔水电站 液压系统
Hydraulic System of Kamailong Pankar
Hydropower Station



南湾灌区续建配套与现代化改造工程液压系统
Hydraulic system
of Nanwan renovation project



乐青白龙港液压系统
Leqing Bailonggang Hydraulic System



南水北调中线工程液压系统
Hydraulic System of the Middle Route Project of the
South to North Water Diversion Project



汉江雅口液压系统
Hanjiang Yakou Hydraulic System



湘电土谷塘航电枢纽液压系统
Hydraulic System of Xiangdian Tugutang Navigation
and Power Hub

液压系统 / Hydraulic system



杨房沟水电站液压系统
Hydraulic system of Yangfanggou Hydropower Station



金沙江金沙水电站液压系统
Hydraulic system of Jinsha River
Jinsha Hydropower Station



船用液压系统
Marine hydraulic system



地铁项目液压系统
Hydraulic system for subway projects

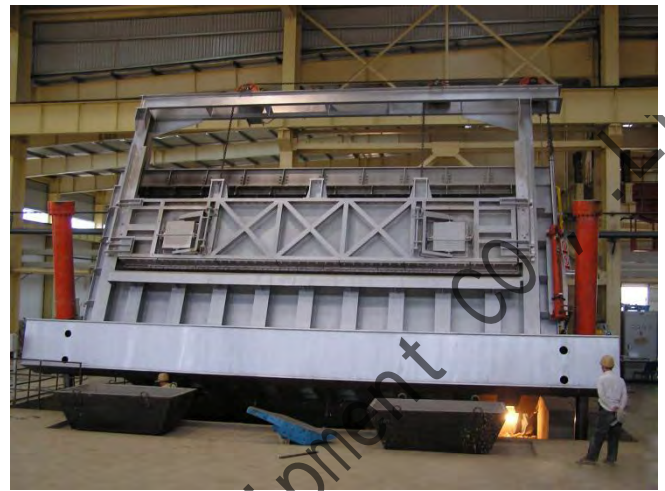


环保项目液压系统
Environmental protection project hydraulic system

应用工业油缸 / Application of industrial oil cylinders



顶升平台液压油缸
Jacking platform hydraulic cylinder



炉门提升油缸
Furnace door lifting oil cylinder



铰吸式挖泥船油缸
Hinged suction dredger oil cylinder



顶锚油缸 $\Phi 1100\text{mm}$
Top anchor oil cylinder $\Phi 1100\text{mm}$



架桥机油缸
Bridge erecting machine oil cylinder

热喷涂 / Thermal Spray



赞比亚伊泰兹水电站 AP20 黑陶涂层
Hydraulic system of Yangfanggou Hydropower Station



尼泊尔上马相迪水电站 AP20 黑陶涂层
AP20 black ceramic coating for Nepal Shangma
Xiangdi Hydropower Station



厄瓜多尔米纳斯水电站冲击式转轮过流表面热喷涂
Thermal spraying of impact runner flow surface at
Minas hydropower station, Ecuador



珠江三角洲水资源配置工程 AP20 黑陶涂层 AP20
black ceramic coating for the Pearl River Delta Water
Resources Allocation Project



黄金峡水利枢纽工程 AP30 白陶涂层
AP30 white ceramic coating for the Huangjinxia Water
Control Project

热喷涂 / Thermal Spray



船闸液压启闭机陶瓷活塞杆
Ceramic piston rod of ship lock hydraulic hoist



中交天津航道局挖泥船用陶瓷活塞杆
Ceramic piston rods for dredgers of China Communications Tianjin Waterway Bureau



大渡河深溪沟水电站液压启闭机陶瓷活塞杆
Ceramic piston rod for hydraulic hoist of Shexigou Hydropower Station on Dadu River

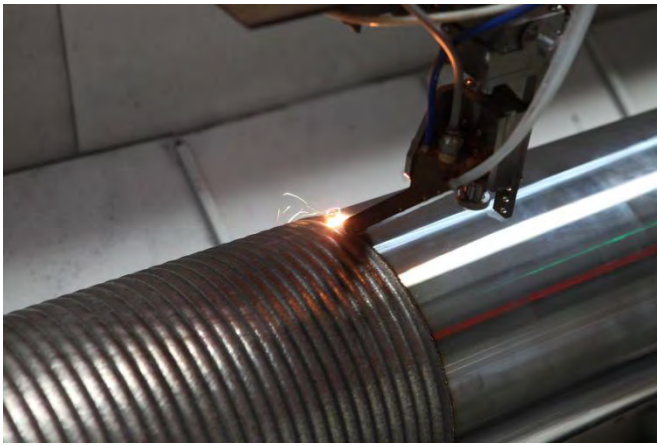


金康水电站水轮机组活动导叶过流表面热喷涂
Thermal spraying of the flow surface of the movable guide vanes of the hydraulic turbine unit at Jinkang Hydropower Station



米纳斯水电站水轮机组喷针和口环过流表面热喷涂
Thermal spraying of needle and orifice ring overflow surface of water turbine unit of Minas Hydropower Station

激光熔覆 / Laser cladding



活塞杆激光熔覆加工
Guide vane servomotor
of Wendeng pumped-storage power station



活塞杆激光熔覆完成状态
Laser cladding completion status of piston rod



广州南沙滨海景观工程
QHLY-2×800kN-3.5m Ball valve servomotor
of Pushi River Hydropower station



成品激光熔覆活塞杆
Finished laser cladding piston rod



● 造福家乡

捐款 1580 万元，重建奔牛公园

Donate 15.8 million yuan to rebuild the Ox Running Park and return the benefits to our hometown.



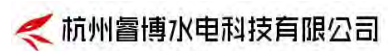
奔牛公园一角
A corner of Benniu Park



捐赠 50 万助学金于河海大学
Donate 500000 scholarship to Hohai University



千万光彩基金授牌
Awarded by Ten Million Guangcai Fund





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