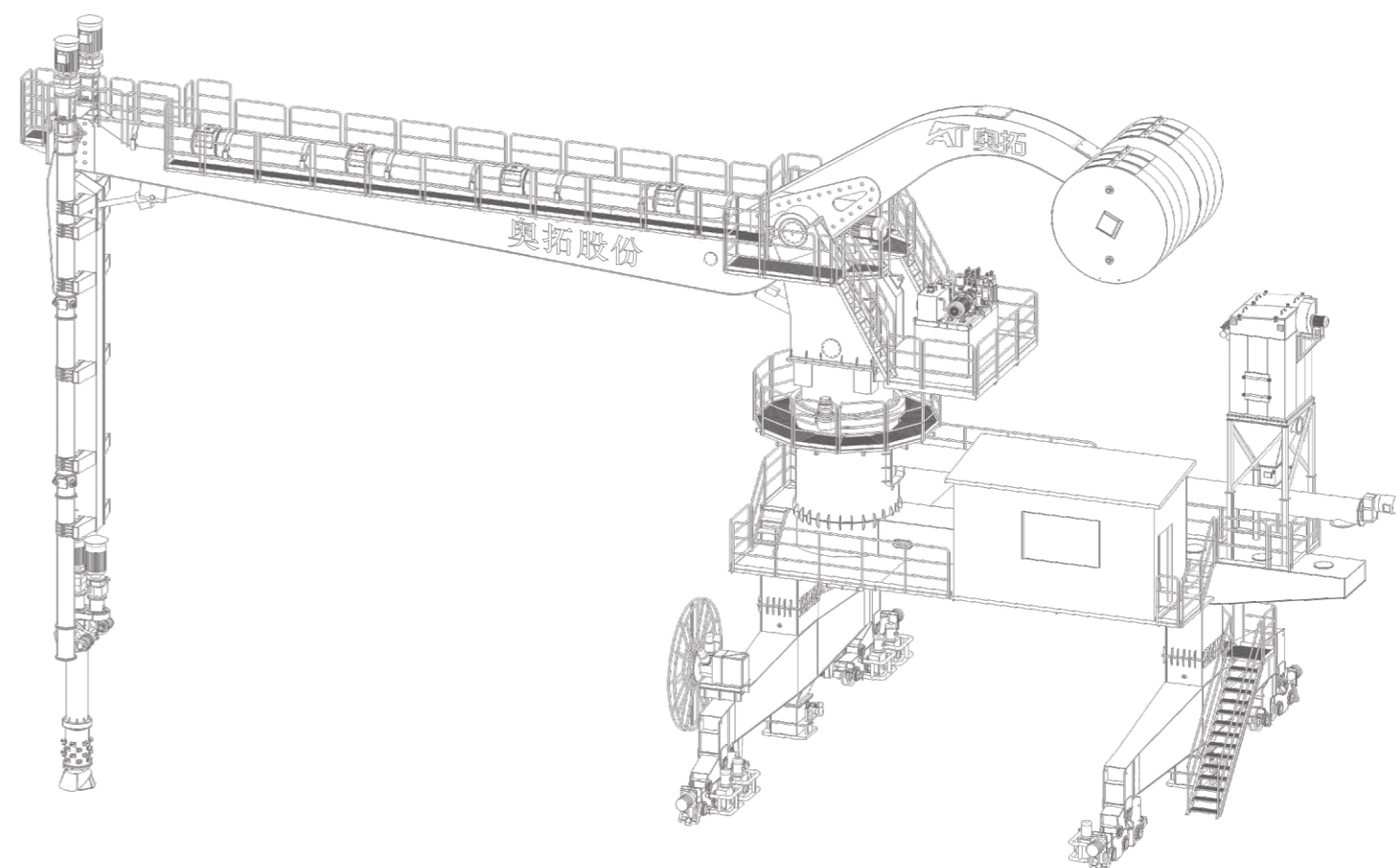


stock code
奥拓股份 837814



诚信为本 创新为魂

BASED ON HONESTY, GROW UP WITH INNOVATION.

杭州奥拓散料卸船装备有限公司
Hangzhou Aotuo Bulk Materials Ship Unloader Equipment Co.,LTD.



官方微信公众号

杭州奥拓散料卸船装备有限公司
Hangzhou Aotuo Bulk Materials Ship Unloader Equipment Co.,LTD.

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诚信为本

Based on Honesty, Grow up with innovation.

创新为魂



Brief Introduction 公司简介

杭州奥拓散料卸船装备有限公司是杭州奥拓机电技术股份有限公司(股票代码: 837814)全资子公司, 公司总部大楼及厂区占地5万多平方米, 位于杭州市北郊仁和先进制造业基地内, 近临杭宁高速良渚/仁和出口。

公司专业从事各类粉状、颗粒状散装物料卸船装备的开发创新、设计制造和销售服务, 并为各种散装物料中转、储运提供系统性整体解决方案。

公司拥有一支优秀的研发团队, 具有卓越的自主研发能力, 是国内首先推出高效螺旋卸船机的省级高新技术企业。其ATXL系列高效螺旋卸船机拥有自主知识产权(发明专利), 质量与市场占有率均为国内领先。该型装备在生产应用中突出高效的卸船能力, 每小时卸船量从200t到1000t不等(以水泥为例), 每吨物料平均电耗在0.5kWh左右。卸船过程无噪音、无粉尘污染, 与负压吸取式卸船机及抓斗式起重机相比具有明显的节能环保等优势。这种机器对物料适应性很强, 不论水泥、矿粉、化肥、粮食或者煤等块状物料的均可装卸。设备广泛分布于全国沿海与内河港口码头, 核心部件远销新加坡等国。

公司注重企业文化, 推崇健康活泼、待人以礼、诚实守信的经营品格。对售出产品建立客户服务档案, 前期安装调试、操作维护培训; 中期主动访问, 不定期检查; 后期配件供应, 服务到家, 急用户所急。公司设计制造了目前国内规模最大、产能最高、型号最齐全的卸船装备, 是名副其实的行业龙头。完全可以为用户提供从工艺设计、设备选型、现场施工到先进自动化控制管理等一体化解决方案。

在此热忱欢迎国内外同行与客商莅临指导, 交流技术、洽谈各种形式的合作。



Hangzhou Aotuo Bulk Materials Ship Unloader Equipment Co., Ltd. is a wholly-owned subsidiary of Hangzhou Aotuo Mechanical and Electrical Technology Co., Ltd. (A-shares stock code: 837814), which one is headquartered at Renhe Advanced Manufacturing Base located in North Suburb of Hangzhou city, covered a ground area over 50 thousand square meters. It enjoys a convenient traffic because of adjacent to Liangzhu or Renhe exit on Nanjing-to-Hangzhou expressway.

The company specializes in the development and innovation, design and manufacture, sales and service of various powder and granular bulk ship unloading equipment. It also can provide the whole systematic solution for all kinds of bulk materials transfer, storage and transportation.

The company has an outstanding R & D team, with excellent independent research and development capability, is the first provincial high-tech enterprises bring out efficient screw ship unloader onto the market.

The ATXL series of efficient screw ship unloader has possessed proprietary intellectual property rights (patent for invention), thus both quality and market share are leading in the same domestic industry.

This type of equipment highlights a high-efficiency ship-unloading capacity in production application. The discharge rate per hour varies in a range between 200t and 1000t range (take cement for example), the average power consumption per ton of material is only around 0.5kWh.

No noise nor dust pollution occurs during the ship unloading process. Compared with negative pressure suction ship unloader and grab crane, it has obvious advantages such as energy saving and environmental protection.

This kind of machine is eligible with strong adaptability to material features, regardless of cement, mineral powder, fertilizer, grain or other bulk materials like coal, can be handled. Aotuo equipment widely distributed along the coastal and inland water system port terminals. Core components already exported to Singapore and other countries.

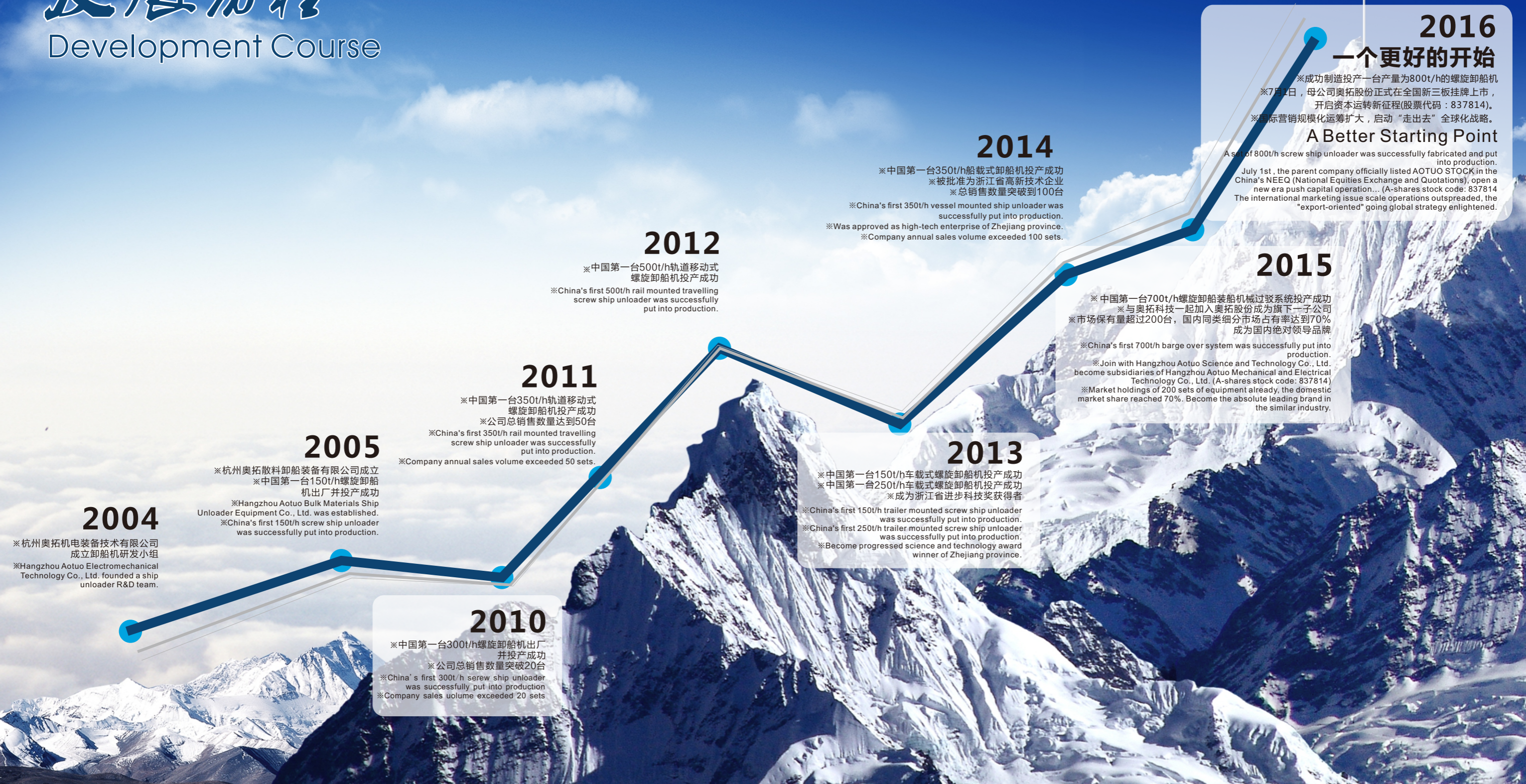
The company attached importance attention to corporate culture, praise highly kernel benevolence as spiritual beautifulness to run honest and trustworthy business. Provide file record service for the sold products: At earlier stage, guide installation and organize maintenance training; at mid stage, implement proactive visit and check irregularly; at late stage, supply spare parts, consider the urgent needs of the user.

The company designed and manufactured the most complete models of ship unloading equipment with the largest scale and biggest capacity launched on current domestic market, who is a real industry leader, reputation worthy of the name. It can provide users with the process from technology design, model selection, site construction to advanced automation control management, etc. a whole set of integrated solutions.

As Aotuo staff, we warmly welcome counterparts and clients, either domestic or overseas, come on guide our work, carry out thought exchanges, and discuss various forms of cooperation.

发展历程

Development Course



2004
 ※杭州奥拓机电装备技术有限公司成立卸船机研发小组
 ※Hangzhou Aotuo Electromechanical Technology Co., Ltd. founded a ship unloader R&D team.

2005
 ※杭州奥拓散料卸船装备有限公司成立
 ※中国第一台150t/h螺旋卸船机出厂并投产成功
 ※Hangzhou Aotuo Bulk Materials Ship Unloader Equipment Co., Ltd. was established.
 ※China's first 150t/h screw ship unloader was successfully put into production.

2010
 ※中国第一台300t/h螺旋卸船机出厂并投产成功
 ※公司总销售数量突破20台
 ※China's first 300t/h screw ship unloader was successfully put into production
 ※Company sales volume exceeded 20 sets

2011
 ※中国第一台350t/h轨道移动式螺旋卸船机投产成功
 ※公司总销售数量达到50台
 ※China's first 350t/h rail mounted travelling screw ship unloader was successfully put into production.
 ※Company annual sales volume exceeded 50 sets.

2012
 ※中国第一台500t/h轨道移动式螺旋卸船机投产成功
 ※China's first 500t/h rail mounted travelling screw ship unloader was successfully put into production.

2013
 ※中国第一台150t/h车载式螺旋卸船机投产成功
 ※中国第一台250t/h车载式螺旋卸船机投产成功
 ※成为浙江省科技进步奖获得者
 ※China's first 150t/h trailer mounted screw ship unloader was successfully put into production.
 ※China's first 250t/h trailer mounted screw ship unloader was successfully put into production.
 ※Become progressed science and technology award winner of Zhejiang province.

2014
 ※中国第一台350t/h船载式卸船机投产成功
 ※被批准为浙江省高新技术企业
 ※总销售数量突破到100台
 ※China's first 350t/h vessel mounted ship unloader was successfully put into production.
 ※Was approved as high-tech enterprise of Zhejiang province.
 ※Company annual sales volume exceeded 100 sets.

2015
 ※中国第一台700t/h螺旋卸船装船机械过驳系统投产成功
 ※与奥拓科技一起加入奥拓股份成为旗下子公司
 ※市场保有量超过200台，国内同类细分市场占有率达到70%
 成为国内绝对领导品牌
 ※China's first 700t/h barge over system was successfully put into production.
 ※Join with Hangzhou Aotuo Science and Technology Co., Ltd. become subsidiaries of Hangzhou Aotuo Mechanical and Electrical Technology Co., Ltd. (A-shares stock code: 837814)
 ※Market holdings of 200 sets of equipment already, the domestic market share reached 70%. Become the absolute leading brand in the similar industry.

2016
一个更好的开始
 ※成功制造投产一台产量为800t/h的螺旋卸船机
 ※7月1日，母公司奥拓股份正式在全国新三板挂牌上市，开启资本运转新征程(股票代码：837814)。
 ※国际营销规模化运筹扩大，启动“走出去”全球化战略。
A Better Starting Point
 A set of 800t/h screw ship unloader was successfully fabricated and put into production.
 July 1st, the parent company officially listed AOTUO STOCK in the China's NEEQ (National Equities Exchange and Quotations), open a new era push capital operation... (A-shares stock code: 837814)
 The international marketing issue scale operations outspreaded, the "export-oriented" going global strategy enlightened.



企业荣誉
Company Honor



卸船机选型 需要提供的基本参数

- 1.) 接卸物料的物理性质(容重、颗粒大小、含水率、磨琢性、燃点等)
- 2.) 最大接卸船舶的船型资料(船长、舱口尺寸、型深、吃水等)
- 3.) 目标年中转量？品种数量？目标库容和库的数量？储库的结构形式？储库的建设位置？有无袋包装？
- 4.) 码头的基本条件
 - ①经过测绘的地形图
 - ②码头的平面图，码头的水文资料。如：设计码头平面标高、最高水位标高、最低水位标高等。
 - ③如是轨道移动式的卸船机，还需要提供码头轨距、轨道型号，海侧轨道距离码头外沿尺寸。码头对后续接料皮带机的布置有否特殊要求？门架下方要留多少净空？
 - ④供电状况，高压还是低压？
 - ⑤建设地对环保指标的要求？
- 5.) 对系统的自动化程度的要求
- 6.) 所在国对装备执行的标准？中国标准是否可行？还是欧标？美标？
- 7.) 其它基本码头条件，如环境气温范围。

The basic parameters of ship unloader selection

- 1.) Physical characteristics of the conveying materials, such as: bulk density, particulate fineness, moisture content, abrasive resistance and combustion point;
- 2.) Type data of the largest applied freighter, such as vessel length, hatch size, cargo depth and draught guage;
- 3.) Target annual transit volume, variety and amount, silo storage and numbers, the storage structure and construction location, sacked or bulk?
- 4.) Other basic conditions of wharf, such as ambient temperature range.
 - ①Local surveyed topographic map, the underground-water-table had better be mastered.
 - ②The floorplan of the wharf, the hydrological data of the port, including: designed pier surface elevation, the swelling tide level elevation, and falling tide level elevation, etc.
 - ③rail mounted travelling ship unloader, also need the track gauge & model, the distance between the sea side orbit and the pier outer edge. Whether or not there are some special requirements to the layout of belt conveyor which undertake materials subsequently? How much clearance should be reserved below the portal(gantry)?
 - ④Power supply status, high or low pressure?
 - ⑤ Environmental policy index of the construction site.
- 5.) The degree of system automation?
- 6.) Host country's implementation standards to equipment, if Chinese standards are feasible to alter the European standard or American standard?
- 7.) Other basic conditions of wharf, such as ambient temperature range.

奥拓股份可以提供整体解决方案，包括工艺设计、设备制造、安装、调试、培训等系统总包，也可以从中选择部分服务。

AOTUO can provide an integrative solution including process design, equipment manufacturing, installation, commissioning, training, as far as systematic EPC, or choose to provide part services.

1.技术力量：

- ①获得国家级专利20余项，包括5项发明专利;
- ②拥有6名以上高级工程师领衔的科研团队，不同层次技术员配套完善，其中本科以上学历占比近100%;
- ③由多名行业内各分支领域专家级技师，为设备的安全可靠性能提供保障;

2.硬件力量：

- ①关键传动设备采用国内外知名供应品牌如：SIEMENS、JIE等;
- ②电控系统采用国际顶级电气元件及柜体供应商产品如：SIEMENS、Rittal等;
- ③采用双线控制（有线、无线），用户更放心；
- ④液压系统管路采用意大利（o+p）管路处理设备，配合冷拔精密无缝管制作而成，彻底解决漏油问题;

3.软件力量：

- ①作为国内螺旋卸船机领域开创者，从十多年的技改历程中积累了丰富经验，也促使了设备型号选择性多样化；
- ②凭借20余年电气控制系统开发经验，独立自主开发的智能化电控系统，操作和维护更简便智能;

1.Technical strength:

- ①obtained more than 20 national patents, 5 ones for inventions included.
- ②possessed a scientific research team led by over six senior engineers, different levels of technician perfectly matched, among which, undergraduate course level or higher accounted for nearly 100%.
- ③by the number of industry experts dedicated in associated branches, who provide equipment safety and reliability performance protection.

2.Hardware strength:

- ①Key transmission equipment uses well-known brands from both domestic and foreign suppliers, such as: SIEMENS, JIE, etc.;
- ②Electronic control system uses products from the world's top electrical components and cabinet suppliers, such as: SIEMENS, Rittal, etc.;
- ③The use of two-wire control (wired, wireless), makes the user more at ease;
- ④Hydraulic system pipeline adopts Italy (o+p) pipeline processing equipment, to be made with cold drawn precision seamless tube, completely solve the problem of oil spills.

3.Software strength:

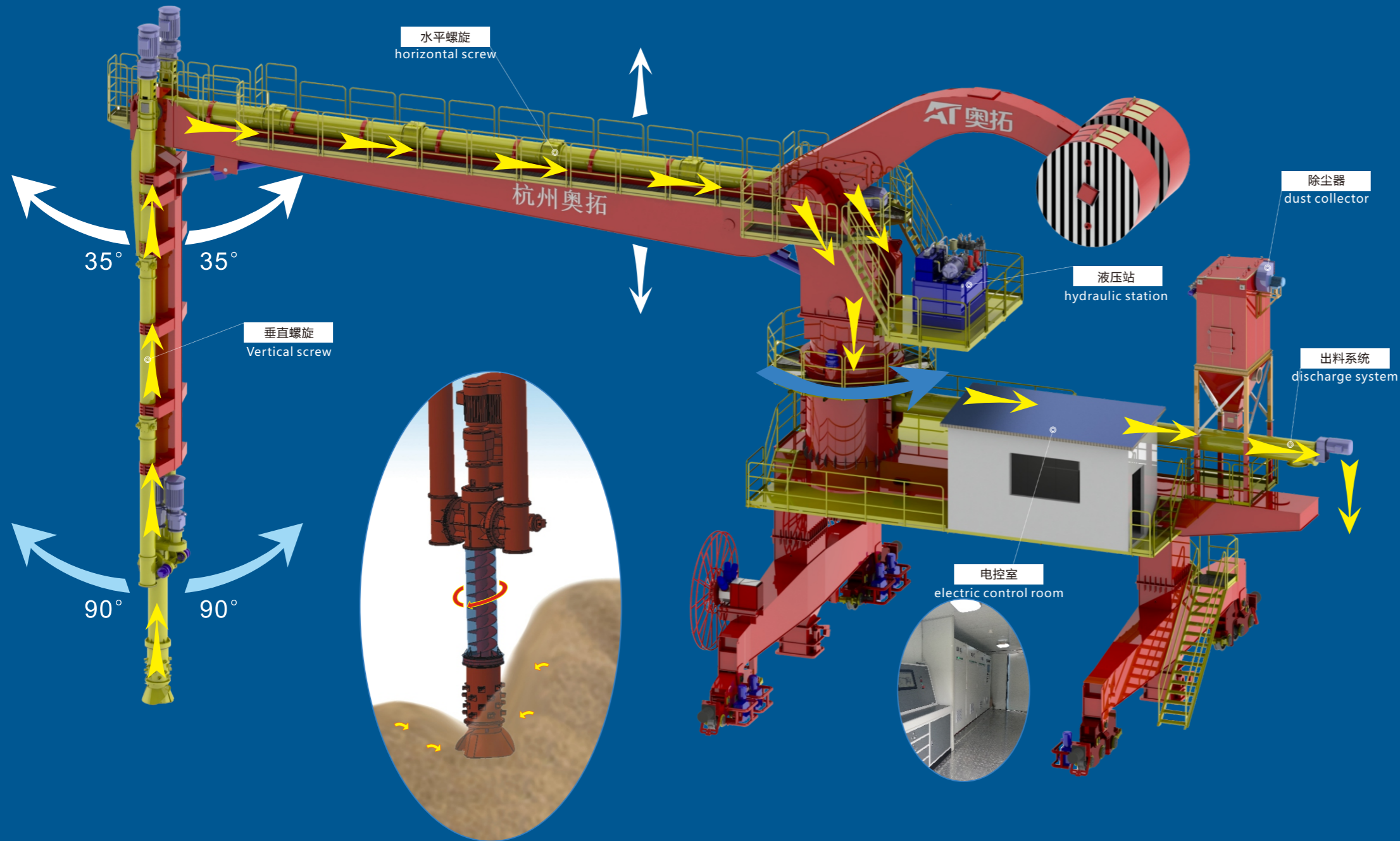
- ①As domestic screw ship unloader field pioneer, has accumulated abundant experience from more than 10 years of technological transformation, also contributed to the choice of equipment types of diversification;
- ②by virtue of over 20 years of experience in the development of electrical control systems, the independently developed intelligent electronic control system prompts operation easier and maintenance more convenient.



工作原理

Working Principle

出料系统按照工艺不同，可以是：螺旋输送机、皮带输送机、链运机、空气输送料槽。
 Various discharge systems can be differentiated in accordance with the different processes, respectively they are: screw conveyor, belt conveyor, chain conveyor, air conveying trough, etc.



当螺旋卸船机工作时，取料器插入舱内物料合适深度，取料装置开始旋转。一方面将物料持续供入垂直螺旋输送机中，另一方面又阻止进入输送管的物料沿周向被离心力甩出。

进入垂直螺旋输送机的物料借助高速旋转的螺旋叶片向上推移输送。

When the screw unloader work, the taking out device inserts the material cabin appropriate depth, subsequently its reclaiming part starts to rotate. On one hand, the material is continuously fed into the vertical screw conveyor; on the other hand, prevent the material in he pipeline being thrown out caused by the centrifugal force along the circumference.

The material entering the vertical screw conveyor is transported upwards by means of high-speed revolving screw blades.

产品展示

Products Display

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ATXL-A型固定式螺旋卸船机

ATXL-A type stationary screw ship unloader



国内首台套

The first domestic unit

产能: 100~300t/h (按水泥容重计算)

适用船型: 3000~12000DWT

首次投产: 2005年

市场保有量: ≥100台

设备特点: 该设备为公司最早研发的设备型号, 经过多年技改, 设备性能极其稳定。

Capacity: 100~300t/h(cement volume weight)

Applicable vessel: 3000~12000DWT

Initial operation: 2005

Market holdings: ≥100 sets

Equipment features: The earliest researched and developed unit type, its performance is extremely stable through many years of technological innovation.



海螺水泥某码头ATXL400B型螺旋卸船机

ATXL-B型轨道式螺旋卸船机

ATXL-B type rail mounted travelling screw ship unloader

产能：300~1000t/h(按水泥容量计算)

适用船型：3000~20000DWT

首次投产：2011年

市场保有量：≥50台

设备特点：该设备是公司为适应码头轨道移动作业，在原有ATXL300A型基础上开发的轨道移动式卸船机，设备性能极其稳定，机动性突出，可在货船靠泊后，主动移舱工作。

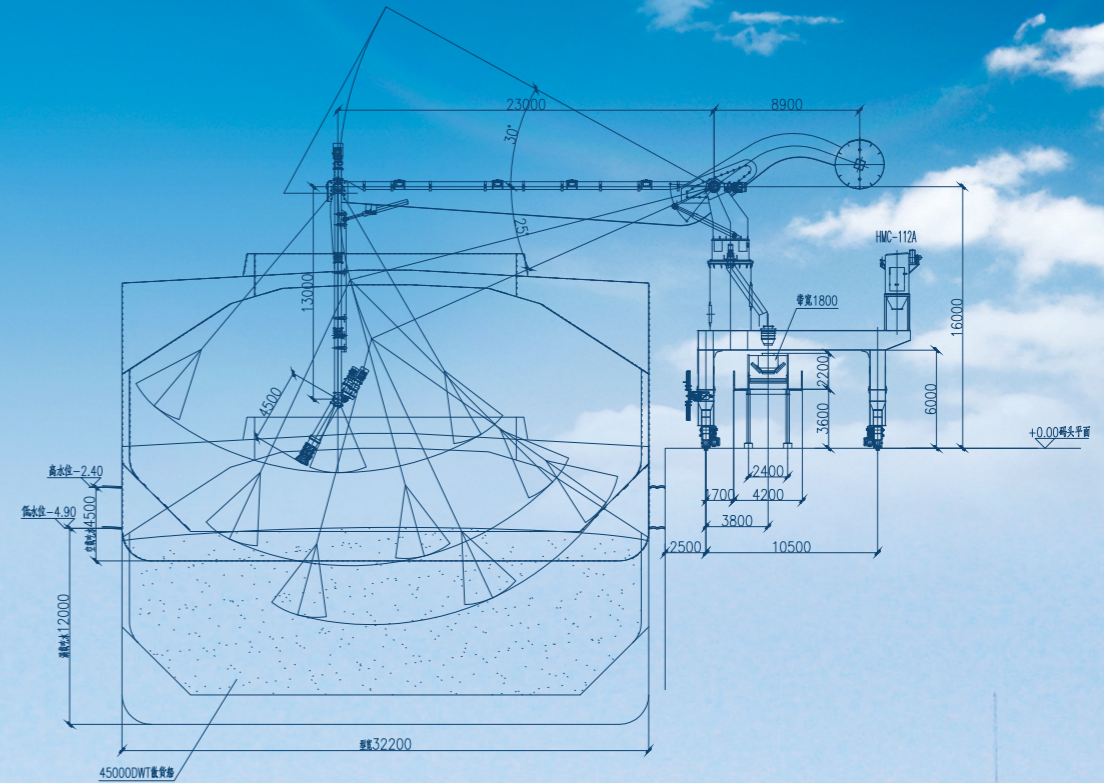
Capacity: 300~1000t/h(cement volume weight)

Applicable vessel: 3000~20000DWT

Initial operation: 2011

Market holdings: ≥50 sets

Equipment features: The equipment is developed based on the original ATXL300A type adapt to wharf rail mounted operation with extremely stable performance and outstanding mobility, which can make shift position work initiatively when the cargo vessel berthed.



ATXL-C型车载式装卸一体机

ATXL-C type trailer mounted loading & unloading two in one machine



产能：100~500t/h (按水泥容重计算)

适用船型：500~5000DWT

首次投产：2013年

市场保有量：≥10台

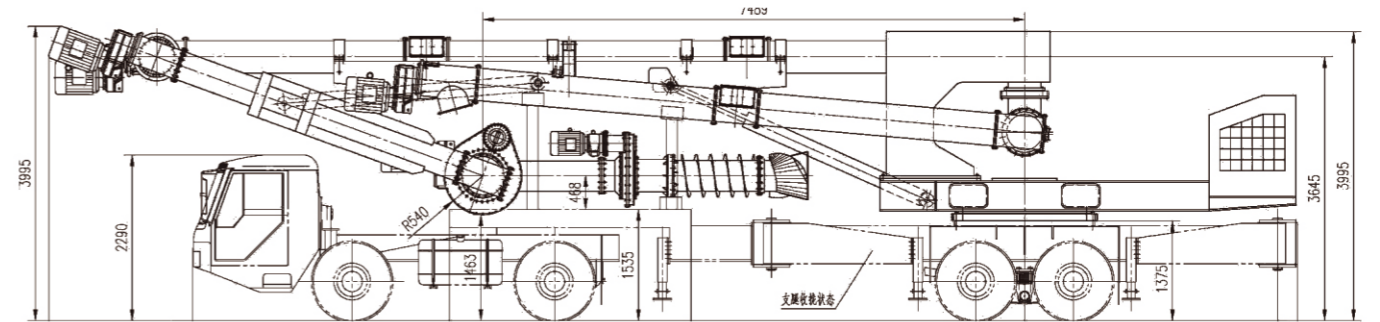
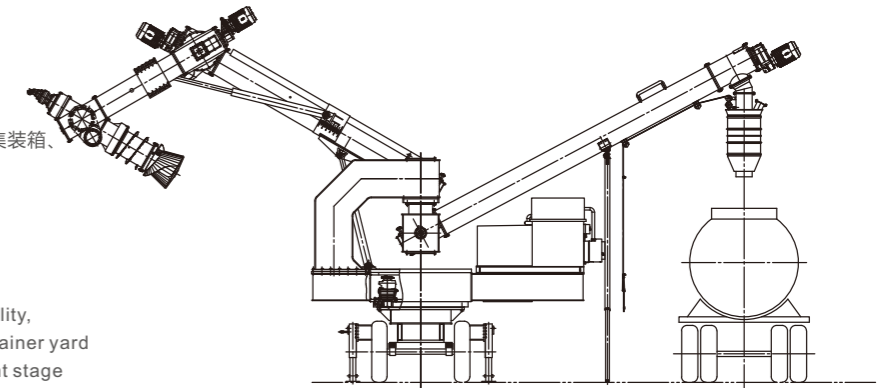
设备特点：该设备机动性极强，可适用于散装船、仓库、集装箱、堆场等各种取料场合，目前大量运用于码头与仓库的作业。

Capacity: 100 ~ 500t/h(cement volume weight)

Initial operation: 2013

Market holdings: ≥10 sets

Equipment features: It possesses benign maneuverability, applicable to vessels of bulk materials, warehouse, container yard and other material storage reclaiming occasions. Current stage extensively used at wharfs and warehouses.



支腿收拢状态：Outrigger contractive state

ATXL-D型船载式卸船机

ATXL-D type vessel mounted ship unloader

产能：300~1000t/h(按水泥容重计算)

适用船型：3000~50000DWT

首次投产：2013年

市场保有量：≥10台

设备特点：该设备安装于驳船上，不占用码头泊位，并且具有突出的机动性能。

Capacity: 300~1000t/h(cement volume weight)

Applicable vessel: 3000~50000DWT

Initial operation: 2011

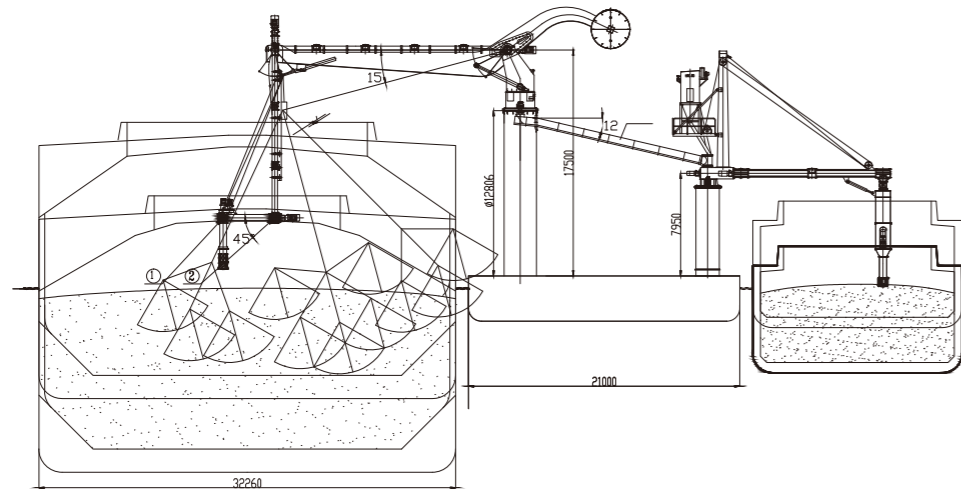
Market holdings: ≥10 sets

Equipment features: The equipment is installed on the barge, does not occupy quay berth, possesses performance of benign maneuverability.



ATXL-D2型船载式装卸一体机

ATXL-D2 vessel mounted loading & unloading dual-functional machine



国内首台套

The first domestic unit

产能: 500~1000t/h (按水泥容重计算) **首次投产:** 2015年
适用船型: 3000~50000DWT **市场保有量:** 3台

设备特点: 该系统安装于驳船上, 不占用码头泊位, 不受地域限制, 引导了全新的散料运输装卸理念, 极大地减少了运营成本, 提高了港口作业效率和船舶的周转率。该系统还使用了全新的料下出料模式, 并于2013年获得了实用新型专利。

汇集4项发明专利在内的19项专利技术

中国港口科技进步奖二等奖

Capacity: 300~1000t/h(cement volume weight)
Applicable vessel: 3000~50000DWT
Initial operation: 2015
Market holdings: ≥3 sets
Equipment features: The system is installed on a barge thus does not occupy quay berth, without geographical restrictions, guided a new concept of bulk material conveying, and saved customer operating cost sharply. The system also adopted a brand new unloading mode discharge buried under earlier accumulated material. In 2013, obtained a utility model patent.

ATXL-E型经济型螺旋卸船机

ATXL-E type economical screw ship unloader



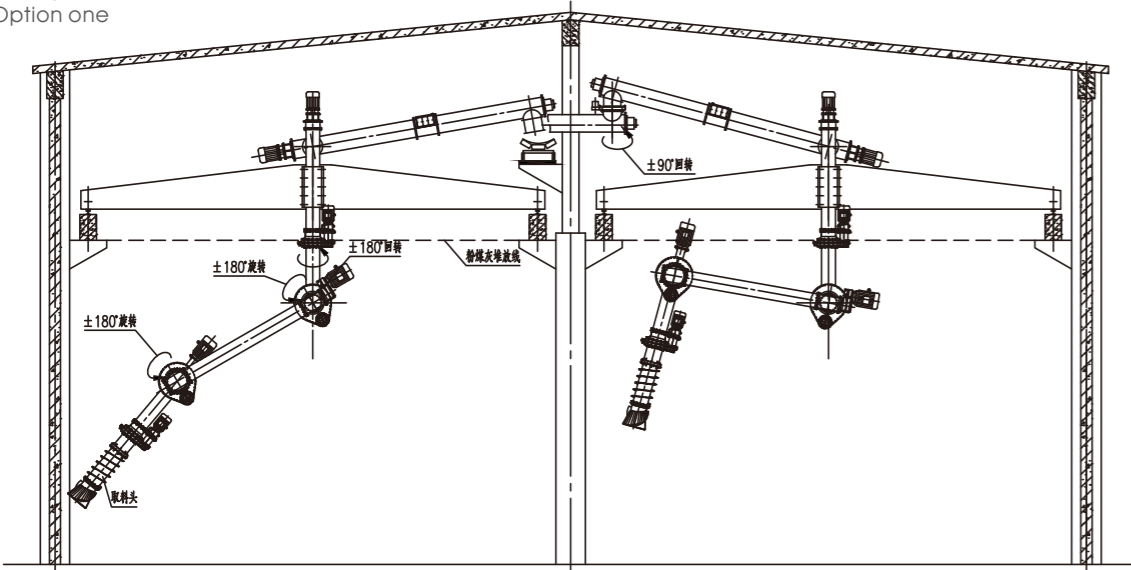
产能: 100~300t/h (按水泥容重计算)
适用船型: 1000~5000DWT
首次投产: 2010年
市场保有量: ≥20台
设备特点: 该设备适用于内河较小吨位的散货船卸货, 性能稳定, 售价更经济。

Capacity: 1000~5000t/h(cement volume weight)
Applicable vessel: 3000~50000DWT
Initial operation: 2010
Market holdings: ≥20 sets
Equipment features: The equipment is applicable to small-tonnage bulk carrier discharge on the quays along inland river. It possesses stability performance and enjoys more economical price.

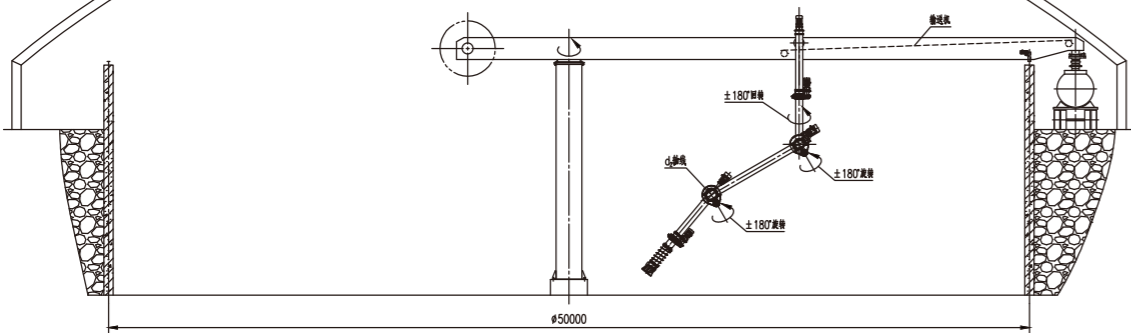
ATXL-F型桁架式螺旋堆取料机

ATXL-F type truss frame screw stacker-reclaimer

方案一
Option one



方案二
Option two



产能：100~300t/h (按水泥容重计算)

适用仓型：1000~50000T

首次投产：2010年

市场保有量：≥20台

设备特点：本系统对北方若干大型粉料库，尤其是电厂灰库，不论其为圆形或长方形，均具有普遍适用。是一种经济、环保、节能、运行可靠、操作方便、工艺合理、技术先进、有相当推广价值的产品。

Capacity: 100~300t/h(cement volume weight)

Applicable vessel: 1000~50000Tons

Initial operation: 2010

Market holdings: ≥20 sets

Equipment features: The system is popular applicable to a number of large powder silos, especially the power plant ash store, whether circular or rectangular size. It possesses economy, environmental protection, energy saving, reliable operation, easy operation, reasonable technology, advanced technology and many other advantages, result in there is considerable value to promote as one more alternative.

ATZC-XB型装船机

ATZC-XB type ship loader



产能：100~1000t/h(按水泥容重计算)

适用仓型：3000~50000Tons

首次投产：2008年

市场保有量：≥10台

设备特点：该设备采用仓泵正压输送装船，实时计算产量，输送高效环保，性能卓越。

Capacity: 100~1000t/h(cement volume weight)

Applicable warehouse: 1000~50000Tons

Initial operation: 2008

Market holdings: ≥10 sets

Equipment features: The equipment is adopted with positive pressure pump conveying to load ship. Real-time computing production, high efficient transportation with environmental protection, and extraordinary performance.

ATSL型智能化电控系统

ATSL type intelligent electrical control system



卸船机可以起吊3-5吨清舱用滑移装载机，图示为正在吊装的清舱机。
The ship unloader can lift 3-5 tons sliding loader with function of warehouse bottom clearance, the picture shows the process of clean-up machine is hoisted by ship unloader.

ATQC-A/B型清仓机

ATQC-A/B type clean-up machine

轻巧清仓机：清仓机的主要用途是在卸船的最后环节收集散落在舱底的物料。

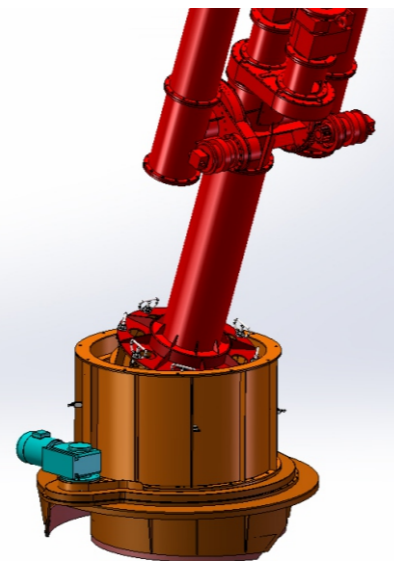
特点：

- ※提高效率；
- ※减少卸货时间；
- ※减少人工扫舱的工作量，减少扬尘，最大地体现了人性化的概念；
- ※清仓机重量轻便，吊装方便，操作性灵活，在舱底可任意回转。

Dexterous clear-up machine: the main purpose of the clean-up machine is used for collecting materials that scatter in hatch bottom at the last stage of ship unloading process.

Features:

- ※Improve efficiency;
- ※save unloading time;
- ※reduce manual sweeping workload, decrease dust pollution, maximum manifests the concept of human nature;
- ※Clean-up machine is possessed of light weight, convenient hoisting, free operability and flexible arbitrary rotation in the bilge.



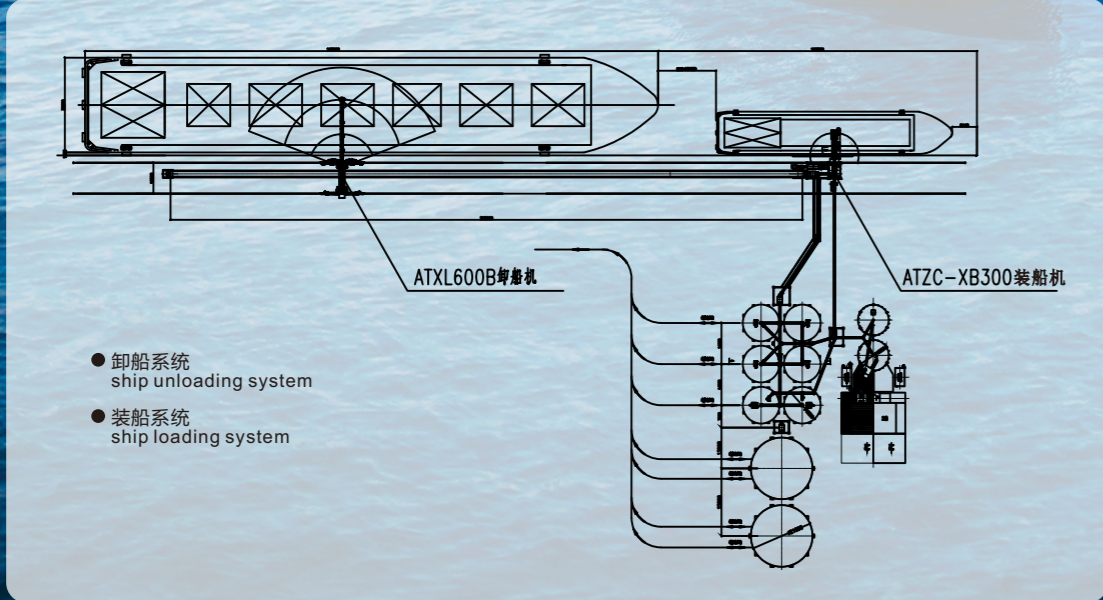
优势 Advantages

- 1 柜体采用全球顶级柜体生产商产品：德国原厂威图柜。
- 2 柜内电气元件采用施耐德、三菱、西门子、ABB等顶级电器元件供应商产品。
- 3 有线与无线功能相结合，确保设备的正常操作使用。
- 4 通过二十余年摸索，自主开发的ATSL智能化电控系统，对过载等情况能自动保护性启停，并拥有故障提示及记录能力。
- 5 卸船机主体螺旋设备具备多种运行模式供选择，关键部位均可采用无级调速正反转，可适应多种维护要求。

- 1 The cabinet using the world's top brand manufacturers' products: Germany original Rittal cabinet.
- 2 The electrical components used in the cabinet respectively are from: Schneider, Mitsubishi, Siemens, ABB and some other top electrical components suppliers' products.
- 3 Wired and wireless combined capabilities to ensure the normal operation of the equipment.
- 4 Through more than 20 years of exploration, independently invented the ATSL intelligent electronic control system, it can automatically brake to protect equipment once overloaded, also has a fault prompt and recording capacity.
- 5 The main screw device of the ship unloader has a variety of operating modes to be chosen, key parts can adopt stepless speed reversing, can adapt to a variety of maintenance requirements.



中转输送工程整体解决方案
Integration scheme of transfer and transportation engineering project



我们的服务
After Service



定期服务万里行
Regular services, thousands of miles:

北京-辽宁-天津-河北-山东-河南-江苏-湖北-安徽-上海-湖南-江西-浙江-广西-广东-福建-海南
共计80多个市县地区：

Beijing-Liaoning-Tianjin-Hebei-Shandong-Henan-Jiangsu-Hubei-Anhui-Shanghai-Hunan-Jiangxi-Zhejiang-Guangxi-Guangdong-Fujian-Hainan
A total of more than 80 cities and counties, districts...



- 1.除易损件外，整机保修一年；
 - 2.专业人员实地勘测，提供配置及安装方案指导；
 - 3.专业人员免费调试安装，并进行操作适用维护的培训；
 - 4.设备终身维护计划，定期保养维护，让设备更加健康稳定地为业主服务；
 - 5.提供24小时售后服务热线及国内48小时紧急现场救援服务；
 - 6.标准化运行，备品备件仓库成为您强大的后盾。
- 1. Wholly one year warranty except wearing parts;
 - 2. Professional field survey, to provide program guidance of configuration and installation;
 - 3. Professional free installation and commissioning, and carry out training course for maintenance and operation;
 - 4. Equipment lifelong maintenance plan, regular maintenance, so that keep equipment more healthy and stable service for the owners;
 - 5. Providing 24-hour service hotline and domestic 48-hour emergency scene rescue service
 - 6. Because of standardized manipulations, spare parts warehouse to become your strong backing support.



公司部分业绩表

Part Sales Performance

序号	规格型号 Specification and Model	用户 User	安装地址 Erection site	数量 Quantities	投入运行日期 Commissioning Date	备注 Remark
1	ATXL200A	海南新兴港务集团 Hainan Xinxing Port Group	海南新兴 Xinxing Hainan	2	2008.2	使用中 In use
2		山东威海港股份有限公司 Shandong Weihai Port Co.,Ltd.	山东威海 Weihai Shandong	2	2009.8	使用中 In use
3	ATXL300A	天津天瑞水泥有限公司 Tianjin Tianrui Cement Co.,Ltd.	天津 Tianjin	2	2010.12	使用中 In use
4		天津港盛龙投资发展有限公司 Tianjin Port Shenglong Investment Developed Co.,Ltd.	天津 Tianjin	2	2011.5	使用中 In use
5		烟台昌盛源水泥有限公司 Yantai Changshengyuan Cement Co.,Ltd.	山东青岛 Qingdao Shandong	1	2012.11	使用中 In use
6		佛山市合骏盈建材贸易有限公司 Foshan Hejunying Building Materials Co.,Ltd.	广东佛山 Foshan Guangdong	1	2013.9	使用中 In use
7	ATXL300B	烟台三普建材有限公司 Yantai Sanpu Building Materials Co.,Ltd.	山东烟台 Yantai Shandong	2	2012.11	使用中 In use
8		福建省白马军联工贸有限公司 Fujian Baima Junlian Industry and trade Co.,Ltd.	福建福安 Fuan Fujian	2	2013.11	使用中 In use
9		唐山冀东机电水泥有限公司 Tangshan Jidong M&E Cement Co.,Ltd.	山东潍坊 Weifang Shandong	1	2014.12	使用中 In use
10	ATXL350B	海南蓝岛环保建材有限公司 Hainan Landao Environment Friendly Building Materials Co.,Ltd.	海南洋浦 Yangpu Hainan	1	2012.2	使用中 In use
11		惠州大亚湾大洋记投资发展有限公司 Huizhou Dayawan Dayangji Investment Developed Co.,Ltd.	广东惠州 Huizhou Guangdong	1	2012.3	使用中 In use
12		国鼎南通管桩有限公司 Guoding Nantong Tubular Pile Co.,Ltd.	江苏南通 Nantong Jiangsu	1	2013.7	使用中 In use
13		福建和顺德贸易有限公司 Fujian Heshunde Trade Co.,Ltd.	福建长乐 Changle Fujian	1	2016.3	使用中 In use
14	ATXL400B	华新机电工程有限公司 Hangzhou Huaxin Mechanical & Electrical Engineering Co.,Ltd	上海 Shanghai	1	2017	工程进行中 Project is undergoing
15		乐清海螺水泥有限责任公司 Yueqing Hailuo Cement Co.,Ltd.	浙江乐清 Yueqing Zhejiang	2	2015.5	使用中 In use
16		海南蓝岛环保建材有限公司 Hainan Landao Environment Friendly Building Materials Co.,Ltd.	海南洋浦 Yangpu Hainan	1	2017	工程进行中 Project is undergoing
17	ATXL500B	上海亚力水泥制品有限公司 Shanghai Yali Cement Product Co., Ltd.	上海 Shanghai	1	2017	工程进行中 Project is undergoing
18		莆田港务集团有限公司 Putian Port Group Co.,Ltd.	福建莆田 Putian Fujian	1	2012.12	使用中 In use
19		温州新昆实业有限公司 Wenzhou Xinkun Industrial Co.,Ltd.	浙江温州 Wenzhou Zhejiang	2	2013.12	使用中 In use
20		宁德海螺水泥有限责任公司 Ningde Hailuo Cement Co.,Ltd.	福建宁德 Ningde Fujian	2	2015.4	使用中 In use
21	ATXL250C	惠州联溢建材有限公司 Huizhou Lianyi Building Materials Co.,Ltd.	广东惠州 Huizhou Guangdong	1	2017	工程进行中 Project is undergoing
22		大唐鸡西第二热电有限公司 Datang Jixi The Second Thermo Power Co.,Ltd.	黑龙江鸡西 Jixi Heilongjiang	1	2013.8	使用中 In use
23		唐山海港港鸿建材有限公司 Tangshan Port Ganghong Building Materials Co.,Ltd.	河北唐山 Tangshan Hebei	1	2015.8	使用中 In use
24	ATXL300D	上海勤奉建材有限公司 Shanghai Qinfeng Building Materials Co.,Ltd.	上海 Shanghai	1	2014.1	使用中 In use
25		江苏瑞发建材有限公司 Jiangsu Ruifa Building Materials Co.,Ltd.	江苏镇江 Zhenjiang Jiangsu	1	2015.1	使用中 In use
26		南昌石歧仓储有限公司 Nanchang Shiqi Warehouse Co.,Ltd.	江西南昌 Nanchang Jiangxi	1	2016.6	使用中 In use



中转输送工程整体解决方案

Integration scheme of transfer and transportation engineering project

序号	规格型号 Specification and Model	用户 User	安装地址 Erection site	数量 Quantities	投入运行日期 Commissioning Date	备注 Remark
27	年中转量≤60万吨及以下整体解决方案 An overall solution to annual transit volume is not more than: 600000 tons.	福州创达兴建材有限公司 Fuzhou Chuangdaxing Building Materials Co.,Ltd.	福建莆田 Putian Fujian	1	2006.1	"使用中 (主机采用一台ATXL200A型螺旋卸船机) In use" "In use" (The main machine adopts a set of ATXL200A type screw unloader)
28		福建莆田诚品工贸有限公司 Fujian Putian Chengpin Industry and trade Co.,Ltd.	福建莆田 Putian Fujian	1	2009.6	"使用中 (主机采用一台ATXL200A型螺旋卸船机) In use" "In use" (The main machine adopts a set of ATXL200A type screw unloader)
29		台州星明建材有限公司 Taizhou Xingming Building Materials Co.,Ltd.	浙江临海 Linhai Zhejiang	1	2011.7	"使用中 (主机采用一台ATXL200A型螺旋卸船机) In use" "In use" (The main machine adopts a set of ATXL200A type screw unloader)
30		浙江银河建材科技有限公司 Zhejiang Yinhe Building Materials Science and Technology Co.,Ltd.	浙江乐清 Yueqing Zhejiang	1	2012.8	"使用中 (主机采用一台ATXL350A型螺旋卸船机) In use" "In use" (The main machine adopts a set of ATXL350A type screw unloader)
31	60万吨≤年中转量≤100万吨整体解决方案 An overall solution to annual transit volume is not less than 600000 and not more than 1000000 tons.	福清恒福建材有限公司 Fuqing Hengfu Building Materials Co.,Ltd.	福建福清 Fuqing Fujian	1	2015.4	"使用中 (主机采用一台ATXL300A型螺旋卸船机) In use" "In use" (The main machine adopts a set of ATXL300A type screw unloader)
32		福州源森经贸有限公司 Fuzhou Yuansen Economic Trading Co.,Ltd.	福州马尾 Mawei Fuzhou	2	2007.5	"使用中 (主机采用两台ATXL200A型螺旋卸船机) In use" "In use" (The main machine adopts two sets of ATXL200A type screw unloader)
33		温岭浙洋建材有限公司 Wenling Zheyang Building Materials Co.,Ltd.	浙江温岭 Wenling Zhejiang	2	2014.7	"使用中 (主机采用两台ATXL300A型螺旋卸船机) In use" "In use" (The main machine adopts two sets of ATXL300A type screw unloader)
34		宁波永恒物流有限公司 Ningbo Yongheng Logistics Co.,Ltd	浙江宁波 Ningbo Zhejiang	1	2016.3	"使用中 (主机采用一台ATXL500B型螺旋卸船机) In use" "In use" (The main machine adopts one set of ATXL500B type screw unloader)
35	100万吨≤年中转量≤150万吨整体解决方案 An overall solution to annual transit volume is not less than 1000000 and not more than 1500000 tons.	海南东源盛贸易有限公司 Hainan Dongyuansheng Trading Co., Ltd.	海南东方 Dongfang, Hainan	1	2017	"工程进行中 (主机采用一台ATXL400B型螺旋卸船机) Project is undergoing" "Project is undergoing" (The main machine adopts one set of ATXL400B type screw unloader)
36		珠海市善宁贸易有限公司 Zhuhai Shanning trade Co.,Ltd.	广东珠海 Zhuhai Guangdong	1	2015.11	"使用中 (主机采用一台ATXL600B型螺旋卸船机) In use" "In use" (The main machine adopts one set of ATXL600B type screw unloader)
37		湛江大业建材有限公司 Zhanjiang Daye Building Materials Co., Ltd.	广东湛江 Zhanjiang, Guangdong	1	2017	"工程进行中 (主机采用一台ATXL600B型螺旋卸船机) Project is undergoing" "Project is undergoing" (The main machine adopts one set of ATXL600B type screw unloader)
38	年中转量大于等于200万吨整体解决方案 An overall solution to annual transit volume is not less than 2000000 tons.	东莞文鑫贸易有限公司 Dongguan Wenxin Trading Co., Ltd.	广东东莞 Dongguan, Guangdong	1	2015.5	"使用中 (主机采用ATXL700D/ATZL700D型驳船过驳系统) In use" "In use" (The main machine adopts ATXL700D type/ATZL700D type barge system)
39		福建中盛达投资发展有限公司 Fujian Zhongshengda Investment and Developed Co.,Ltd.	福建福州 Fuzhou Fujian	1	2011.12	"使用中 (主机采用两台ATXL500B型螺旋卸船机) In use" "In use" (The main machine adopts two sets of ATXL500B type screw unloader)
40	改造 transformation	惠州联溢建材有限公司 Huizhou Lianyi Building Materials Co.,Ltd.	广东惠州 Huizhou Guangdong	1	2016.5	"承接代加工及安装 (主机采用一台IBAU800B型螺旋卸船机) Undertake on Behalf of the Processing and Installation" (The main machine adopts two sets of IBAU800B type screw unloader)
41		上海嘉新港辉有限公司 Shanghai Jiaxin Ganghui Co.,Ltd.	上海 Shanghai	1	2005.9	BMH600t/h
42		福建鑫通码头有限公司 Fujian Xintong Wharf Co.,Ltd.	福建长乐 Changle Fujian	2	2016.6	原无锡三和300B卸船机改造 Transforming Wuxi Sanhe 300B Ship Unloader