



Bulk Material Transfer System

散装物料中转系统

Undertake the design, development, manufacturing, installation and commissioning of the system, as well as guide the whole set of after-sales service.

Efficient Unloading & Steady Trust

 <http://bulktrans.cn>

杭州双林控股集团有限公司 Shuanglin Group CO.,LTD

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Company Introduction

公司简介



杭州双林控股集团有限公司 Shuanglin Group CO.,LTD

双林集团针对散装物料中转系统、卸船机、除尘器、装车机、斜槽等产品进行了深入开发，拥有校企联合的研发中心、加工生产基地、和完善的品质控制和售后服务体系。

Shuanglin Group Co., Ltd. has carried out in-depth development of bulk material transfer systems, ship unloaders, dust collectors, loading machines, chutes and other products, and has a school-enterprise joint R&D center, processing and production base, and a perfect quality control and after-sales service system.

拥有一流的研发设计团队，针对性开发散货物料中转系统和配套单机。承接系统的设计、开发、制造、安装和调试，以及指导售后服务的整套工程。

We have a first-class R&D and design team, and develops bulk cargo material transfer systems and supporting stand-alone machines. Undertake the design, development, manufacturing, installation and commissioning of the system, as well as guide the whole set of after-sales service.

Our Products

关于产品

01

抓斗卸船系统

Grab Ship Unloader System

02

螺旋卸船系统

Screw Ship Unloader System

03

链斗卸船系统

Chain Bucket Ship Unloader System

04

负压卸船系统

Pneumatic Ship Unloader System

05

固定式带载变幅起重机

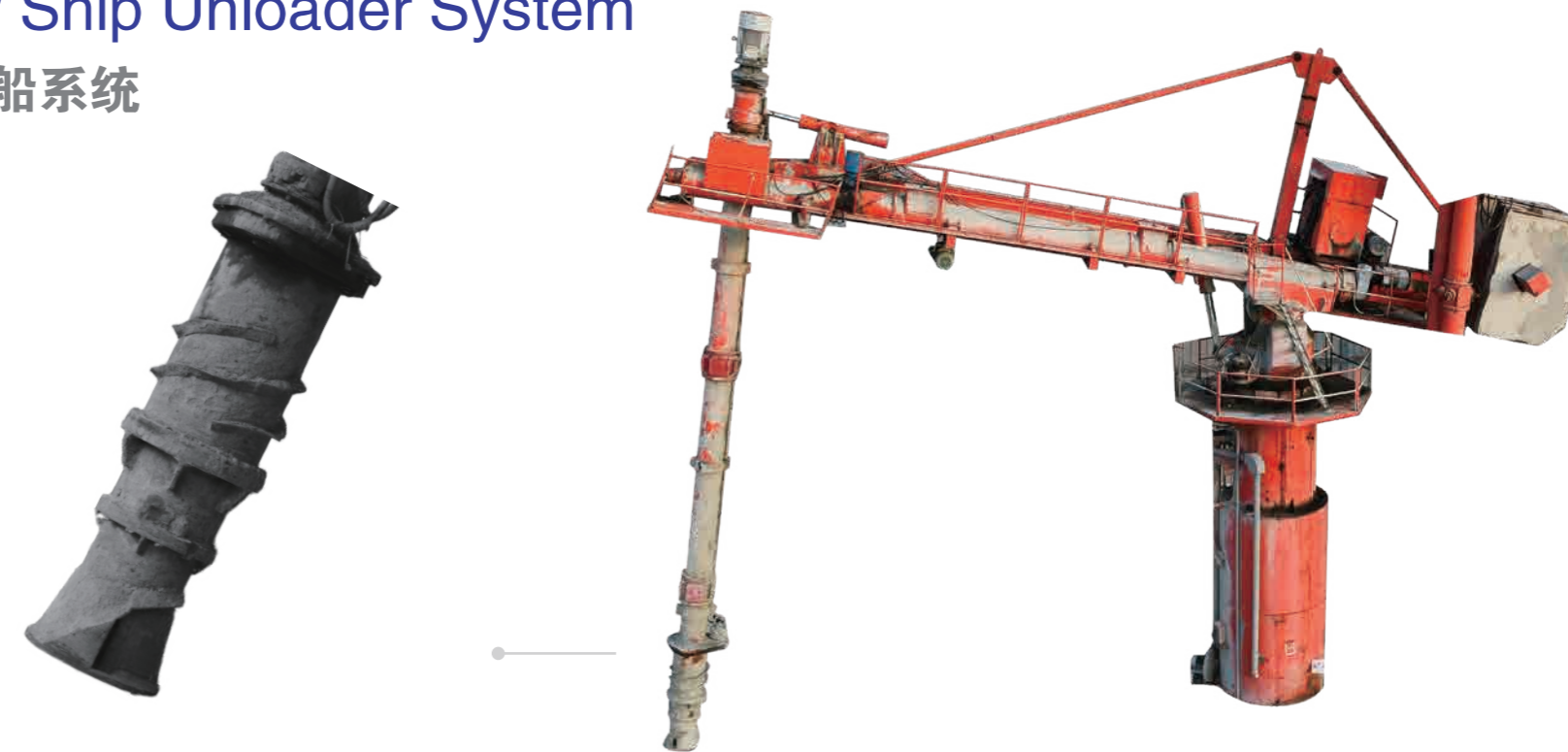
Fixed-Type Loaded Luffing Crane System

Grab Ship Unloader System 抓斗卸船系统



- 配有回转平台，利用2-3个液压臂进行连锁动作，使液压抓斗送到指定位置，抓斗开合取料。
 - 液压臂举升，塔台回转把物料送到岸上指定位置。
 - 液压抓斗开合卸料。
 - 依次循环抓卸，实现装卸船的功能。
- It is equipped with a rotating platform and uses 2-3 hydraulic arms for interlocking actions to send the hydraulic grab to a designated position, where the grab opens and closes to take materials.
 - The hydraulic arms lift, and the tower rotates to send the materials to the designated position on the shore.
 - The hydraulic grab opens and closes to unload materials.
 - The grabbing and unloading cycle is repeated in sequence to realize the function of loading and unloading ships.

Screw Ship Unloader System 螺旋卸船系统



- 核心原理依赖于螺旋叶片表面与水泥之间的摩擦牵引以及运行产生的离心力、负压效应，实现物料连续向上输送并最终抛洒到码头接料系统。
 - 主要用于电力、建材、化工、港口等行业，负责卸载如煤炭、矿石、水泥、化肥等散货，特别适用于环保要求高、物料易扬尘的场合。
- Its core principle relies on the frictional traction between the surface of the screw blade and cement, as well as the centrifugal force and negative pressure effect generated during operation, to realize the continuous upward conveying of materials and finally sprinkle them into the wharf receiving system.
 - It is primarily used in industries such as power generation, building materials, chemicals, and ports for unloading bulk cargo like coal, ore, cement, and fertilizers. It is particularly suitable for applications with high environmental protection requirements and where materials are prone to generating dust.

Chain Bucket Ship Unloader System

链斗卸船系统



- 利用输送链上的刮板或斗子进行连续垂直（或陡坡）卸载散装货物的专业设备。广泛应用于需要高效、连续处理大宗散货（尤其是煤炭、焦炭等粉状或粒状物料）的港口和工业场景。
- 它通过强大的提升能力和紧凑的设计，在现代物流系统中扮演着重要角色。
- 主要特点是环保无尘，多品种（煤，焦炭，沙石），连续稳定输送，能效高。

- It is a specialized equipment that uses scrapers or buckets on the conveying chain for continuous vertical (or steep-slope) unloading of bulk cargo. It is widely applied in ports and industrial scenarios requiring efficient and continuous handling of bulk commodities, especially powdery or granular materials such as coal and coke.
- With its strong lifting capacity and compact design, it plays an important role in modern logistics systems.
- Its main features include environmental friendliness and dust-free operation, adaptability to multiple types of materials (coal, coke, sand, gravel, etc.), continuous and stable conveying, and high energy

Pneumatic Ship Unloader System

负压卸船系统



- 利用抽真空原理设计，通过液压吸臂、分离器、锁风给料器、罗茨真空泵等把粉状物料（水泥、粉煤灰、矿粉）从散装船上卸到散装车或通过机械输送、正压输送等形式送到园库。

- It is designed based on the principle of vacuum suction. It unloads powdery materials (such as cement, fly ash, and mineral powder) from bulk cargo ships onto bulk trucks or conveys them to silos via mechanical conveying, positive-pressure conveying, or other methods. This is achieved through components such as hydraulic suction arms, separators, airlock feeders, Roots vacuum pumps, and others.

Fixed-Type Loaded Luffing Crane System

固定式带载变幅起重机



- 固定式带载变幅起重机系统能够自动协调变幅（幅度改变）和起升/下降钢丝绳的动作。具有精确定位、作业效率高、起重量大、稳定性好、节省空间等优势。
- 广泛应用于需要定点、连续、高效地进行重物搬运和精准投送的场合，如港口码头、发电厂、大型工厂房与原料场、建筑工程等。
- It The fixed-type load-raising luffing crane system is capable of automatically coordinating the actions of luffing (radius change) and hoisting/lowering wire ropes. It offers advantages such as precise positioning, high operational efficiency, large lifting capacity, excellent stability, and space savings.
- It is widely used in applications that require fixed-point, continuous, and efficient heavy-load handling and precise delivery, such as ports and terminals, power plants, large industrial plants and raw material yards, and construction projects.

EXAMPLES

项目案例

实施项目统计：

- ✓ 1200吨/小时移动螺旋卸船机和中转入库出库系统1套（总承包单位，含后续输送系统）
- ✓ 300吨/小时卸船计量装车系统5套（总承包单位）
- ✓ 螺旋卸船装船系统2套（总承包单位）
- ✓ 集装箱拆箱入库系统8套
- ✓ 每小时100-800吨/小时固定或移动螺旋卸船机50套
- ✓ 仓泵输送系统2套

Project Implementation Statistics :

- 1 set of 1200 t/h mobile screw ship unloader and transfer storage system (Turnkey, incl. subsequent conveyor)
- 5 sets of 300 tons/hour unloading metering and loading systems (general contractor)
- 2 sets of screw unloading and loading systems (general contractor)
- 8 sets container unpacking and warehousing system
- 50 sets of fixed or mobile screw ship unloader at 100-800 tons/hour per hour
- 2 sets of silo pump conveying system

EXAMPLES

项目案例



■ 300吨/小时卸船装车系统
300 tons/hour Unloading and Loading System



■ 连江冠海码头300吨移动卸船系统
Lianjiang Guanhai Wharf 300 tons Moved Unloading System

EXAMPLES

项目案例



■ 舟山濠州码头固定300吨
Zhoushan Haozhou Wharf Fixed 300 tons



■ 杭州崇福润兆码头200吨
Hangzhou Chongfu Runzhao Wharf 200 tons

EXAMPLES

项目案例



- 东山旗滨玻璃码头智能卸船装车系统
Dongshan Qibin Glass Terminal Intelligent Unloading and Loading System



- 250吨/小时卸船计量装车系统
250 tons/hour Unloading Metering Loading System

EXAMPLES

项目案例



- 广东汕头利鸿基码头300吨卸船装车系统1
Guangdong Shantou Lihongji Wharf 300 tons Unloading and Loading System ONE



- 广东汕头利鸿基码头300吨卸船装车系统2
Guangdong Shantou Lihongji Wharf 300 tons Unloading and Loading System TWO