



山东普鼎斗轮重工机械有限公司
SHANDONG PUDING DPU LUN ZHONG GONG JI XIE YOU XIAN GONG SI

携手普鼎斗轮 共创辉煌未来

JOIN HANDS WITH PUDING BUCKET WHEEL TO CREATE A BRILLIANT FUTURE TOGETHER



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山东普鼎斗轮重工机械有限公司

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COMPANY INTRODUCTION

公司介绍

开拓新价值 共创新辉煌

山东普鼎斗轮重工机械有限公司经营范围包括一般项目：矿山机械制造；矿山机械销售；建筑工程用机械制造；环境保护专用设备制造；物料搬运装备制造；农业机械制造；通用设备制造（不含特种设备制造）；建筑工程用机械销售；特种设备出租；特种设备销售；铸造机械制造；环境保护专用设备销售；机械零件、零部件加工；机械设备销售；机床功能部件及附件制造；汽轮机及辅机制造；金属加工机械制造；通用零部件制造；风机、风扇销售；通用设备修理；专用设备制造（不含许可类专业设备制造）；机械研发；机械零件、零部件销售；液压力机械及元件制造；液压力机械及元件销售；轨道交通专用设备、关键系统及部件销售；轨道交通工程机械及部件销售；新能源原动设备制造；新能源原动设备销售；水上运输设备零配件制造；水上运输设备零配件销售；技术服务、技术开发、技术咨询、技术交流、技术转让、技术推广；采矿行业高效节能技术研发；隧道施工专用机械制造；隧道施工专用机械销售；智能物料搬运装备销售；智能基础制造装备制造；机械设备租赁；货物进出口；技术进出口；进出口代理。

Shandong Puding Douluan Heavy Machinery Co., Ltd. business scope includes general items: manufacturing of mining machinery sales of mining machinery; manufacturing of construction machinery for construction projects; manufacturing of environmental protection special equipment; manufacturing of material handling equipment; manufacturing of agricultural machinery; manufacturing of general equipment (including the manufacturing of special equipment); sales of construction machinery for construction projects; leasing of special equipment; sales of special equipment; manufacturing of casting machinery; sales of environmental protection special; processing of mechanical parts and components; sales of mechanical equipment; manufacturing of machine tool functional components and accessories; manufacturing of steam turbines and auxiliary machinery; manufacturing of metal processing machinery manufacturing of general components; sales of fans and blowers; repair of general equipment; manufacturing of special equipment (excluding the manufacturing of licensed professional equipment); research and development of mechanical; sales of mechanical parts and components; manufacturing of hydraulic power machinery and components; sales of hydraulic power machinery and components; sales of special equipment, key systems and components for rail; sales of construction machinery and components for rail transit projects; manufacturing of new energy prime movers; sales of new energy prime movers; manufacturing of spare parts and components for water equipment; sales of spare parts and components for water transport equipment; technology services, technology development, technology consultation, technology exchange, technology transfer, technology promotion; research and development of efficient energy-saving technology for the mining industry; manufacturing of special machinery for tunnel construction; sales of special machinery for tunnel construction; sales of intelligent material handling equipment; manufacturing of intelligent manufacturing equipment; leasing of mechanical equipment; import and export of goods; import and export of technology; agency of import and export.



公司地址

山东普鼎斗轮重工机械有限公司位于山东省潍坊市青州市经济开发区康圣北路1688号（文苑路与康圣路交叉口路南50米）东门。是一家以生产重型矿山机器为主，集生产、销售为一体的独资企业。拥有20000平方米标准化工业厂房，各金加工、切割、焊接、装配设备近百台，我们有一支从业经验丰富、有责任心的团队。公司以科学的管理方法，精益求精的制造工艺竭诚为用户服务。山东普鼎斗轮重工机械有限公司视质量为生命，并一贯遵循对工序负责，对产品负责，对用户负责的质量方针，竭诚为用户服务。公司主要生产有：装车机、斗轮取料机、卸车机、堆高机、装船机。同时公司可为用户提供项目设计，工艺流程设计，标准和非标产品设计与生产。



PRODUCT ADVANTAGES

产品优势

专属定制开发服务

公司在售前提供咨询服务，在售中提供技术支持、人员培训、设备维修等多项服务。

优势
价值

用人少

专业技术强

性价比优



山东普鼎斗轮重机械有限公司
SHANDONG PUDING DPU LUN ZHONG GONG JI XIE YOU XIAN GONG SI

COMPANY CULTURE

企业文化

企业愿景 | CORPORATE VISION

我们要坚持“精心、精细”的服务倾力为客户创造价值
We will adhere to the "careful, fine" service to create value for customers.

企业精神 | ENTERPRISING SPIRIT

努力改变人生 创业改变命运
Hard work changes lives. Entrepreneurship changes destinies.

企业经营理念 | BUSINESS PHILOSOPHY

诚信 合作 尊重 创新
Integrity Cooperation Respect Innovation.

企业价值观 | CORPORATE VALUES

实现顾客利益最大化
Maximize customer benefits.

企业使命 | CORPORATE MISSION

为您提供节能环保、经济效益高的生产线
Provide you with energy-saving and environmentally friendly production lines with high economic efficiency.

企业宗旨 | ENTERPRISE PURPOSE

追求创新 追求卓越 客户至上 共创辉煌
Pursue innovation Pursue excellence Customer first Create brilliance.





06



CORPORATE ACCOLADES 公司荣誉



展厅一角/Corner of exhibition hall

STANDARDIZED WORKSHOP 标准化车间



车间一角/Workshop



车间一角/Workshop



车间一角/Workshop

MAIN PRODUCTS

主营产品

取料系列 Feeding series

斗轮取料机 Bucket Wheel Reclaimer



PDQ-500型斗轮机

公司的移动式斗轮取料机广泛应用于港口、码头、矿山、砂石厂、电厂等行业。PDQ-500型斗轮机适用挖掘一些松散物料(如木屑、沙土等)。此款取料机的取料能力可达500吨每小时。

The company's mobile bucket wheel reclaimer is widely used in industries such as ports, docks, mines, gravel plants, and power plants. The PDQ-500 bucket wheel reclaimer is suitable for excavating loose materials (such as wood chips, sand, etc.). The material handling capacity of this reclaimer can reach up to 500 tons per hour.

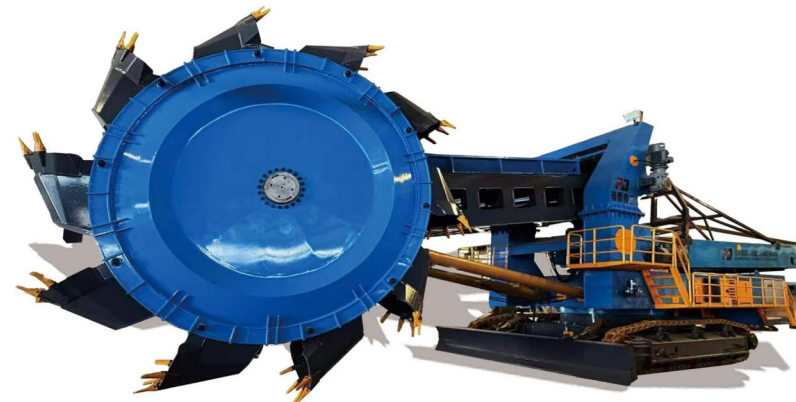


PDQ-1000型斗轮机

PDQ-1000型斗轮机适用于矿山、煤炭、水泥、城市垃圾处理、焦化、大中型火力发电厂和冶金企业等行业的松散物料在储料场的堆放、装取作业。通过传送带、车辆等运输设备，将松散物料运进储料场或通过传送带输送所需到达的位置。

The PDQ-1000 type bucket wheel stacker-reclaimer is suitable for stacking, loading and unloading operations of bulk materials in storage yards for industries such as mining, coal, cement, municipal waste treatment, coking, large and medium-sized thermal power plants, and metallurgical enterprises. Through transportation equipment such as conveyor belts and vehicles, bulk materials are transported into the storage yard or to the required destination via conveyor belts.

斗轮挖掘机 The bucket-wheel excavator



PDW-2000 轮斗挖掘机

PDW-2000轮斗挖掘机适用于大型土方工程(如公路、运河或水坝)储料场等进行作业。通过传送带、车辆等运输设备，将物料运进储料场或通过传送带输送所需到达的位置。

The PDW-2000 bucket wheel excavator is suitable for large-scale earthwork operations (such as highways, canals, or dams) and operations in storage yards. Through transportation equipment like conveyor belts and vehicles, materials are transported to storage yards or the required destination of the conveyor belt.



PDW-3000 矿山型斗轮挖掘机

PDW-3000矿山型斗轮挖掘机适用于大型土方工程(如公路、运河或水坝)储料场等进行作业。通过传送带、车辆等运输设备，将物料运进储料场或通过传送带输送所需到达的位置。

The PDW-3000 mining-type bucket wheel excavator is suitable for large earthwork projects (such as highways, canals, or d), and stockpiles for operation. Through transport equipment such as conveyor belts and vehicles, the materials are transported into the stockpile or to the desired position through their belt.

MAIN PRODUCTS

主营产品

取料系列 Feeding series

螺旋扒料机 Helical scraper conveyor



PDX-500 单皮带螺旋扒料机

单皮带螺旋扒料机采用履带行走形式，螺旋机将物料带入输送带上，自动提升到出料口，直接装车，装车高度可以有限制调节，可完成粮食土壤、砂石、石灰、煤炭等散状物物料的收场、装车、堆囤、进出仓等作业。工作能力可达500m³/h。

The single spiral scraper conveyor adopts the crawler travel form, the spiral machine will bring the material into the conveyor belt, automatically lift it to discharge port, and load it directly, the loading height can be limited and adjusted, it can complete the harvesting, loading, stacking, warehousing and other operations of bulk materials as grain soil, sand and stone, lime, coal, etc. The working capacity can reach 500m³/h.



PDX-500 双皮带螺旋扒料机

双皮带螺旋扒料机比单皮带螺旋扒料机在装车等方面更加灵活，工作能力可达500m³/h。

The double-belt spiral scraper is more flexible in loading and other aspects compared to the single-belt spiral scraper, with a working capacity of up to 500m³/h.

堆高系列 Stacking Series

移动堆高机 The mobile stacker



DG-1200 轮胎堆料机

DG-1200轮胎堆料机应用非常广泛，主要用于大型轮胎的自动化堆叠作业，通过机械装置将轮胎按指定方式码放整齐。DG-1200轮胎堆料机的作业能力可达1200m³/h。

The DG-1200 tire stacker is widely used, primarily for the automated stacking of large tires. It employs mechanical devices to neatly arrange tires in a specified manner. The operational capacity of the DG-1200 tire stacker can reach up to 1200 m³/h.



DG-1000 履带移动转动堆料机

DG-1000 履带移动转动堆料机可根据生产环境设置不同堆料角度、堆料机堆料高度和位置，可单独作业和联合作业。堆料能力可达1000m³/h。

DG-1000 crawler mobile slewing stockpiler can set different stockpiling angles, stockpiling height and position according to the production, can operate independently and in conjunction. The stockpiling capacity can reach 1000m³/h.

MAIN PRODUCTS

主营产品

堆高系列 Stacking Series

移动堆高机 The mobile stacker



DG-1000 履带移动式堆料机

履带移动式堆料机可根据生产环境设置不同堆料角度、堆高机堆料高度和位置，可以单机作业，也可以与其他设备联合作业。此款堆料效率可达1500吨每小时。

The tracked mobile stacker can adjust the stacking angle, height, and position according to the production environment; it can operate independently or in conjunction with other equ. This model achieves a stacking efficiency of up to 1,500 tons per hour.

装船机 Ship loader



履带移动装船机

履带移动装船机可满足各种规模散料港口码头的船舶装卸作业。此款装船机操作简便、维护方便。

The tracked mobile ship loader can meet the ship loading and unloading requirements of bulk cargo port terminals of various sizes. This ship loader is easy to operate and maintain.

卡车卸料堆高机 Truck Unloading Stacker Crane



PDZ-1000 轮胎移动式卸料堆高机

PDZ-1000轮胎移动式卸料堆高机场地适应能力强，移动灵活。除尘/抑尘措施完备，工作污染小。生产率高，工作能力可达1000m³/h。

PDZ-1000 tire-mounted mobile discharge stacker features strong site adaptability and flexible mobility. Equipped with complete dust removal/suppression measures, it causes minimal pollution during operation. With high productivity, its working capacity can reach up to 1000m³/h.



PDZ-1000 履带移动式卸料堆高机

PDZ-1000履带移动式卸料堆高机具有性能可靠、产量大、自动化程度高等优势，设备尾部的宽板链输送设计可满足自卸车直接喂料，避免了物料二次转运堆取工序，实现了降本增效。生产率高，工作能力可达1000m³/h。

The PDZ-1000 crawler mobile discharge stacker boasts advantages such as reliable performance, high output, and a high degree of automation. The wide plate chain conveyor design at the rear of the equipment allows for direct feeding by dump trucks, eliminating the need for secondary material transfer and stacking processes, thereby achieving cost reduction and efficiency improvement. With high productivity, its working capacity can reach up to 1000m³/h.

MAIN PRODUCTS

主营产品

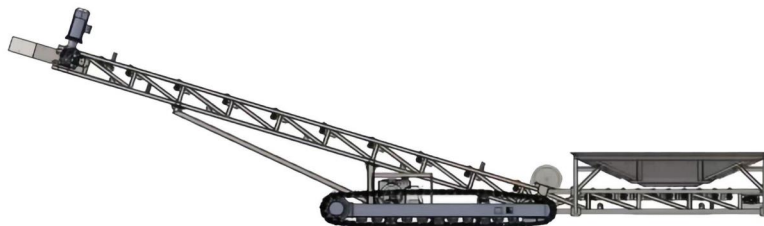
皮带机系列 Belt conveyor series

移动皮带机 Mobile belt conveyor



履带式接力皮带机

接力皮带机是皮带输送机的一种特殊布置形式，通过多台皮带机依次连接、分段接力传输物料，实现长距离、复杂路径的连续输送。
Relay belt conveyor is a special arrangement form of belt conveyor, which achieves continuous long-distance and complex-path material transportation through the sequential connection and segmented relay transmission of multiple belt conveyors.



履带式移动舱底皮带机

履带式移动舱底皮带机广泛应用于矿山、港口、建筑工地、粮食加工、仓储物流等需要灵活物料搬运的场所，用于装车、卸货、堆垛、转运等作业。
The crawler-type mobile bottom belt conveyor is widely used in mines, ports, construction sites, grain processing, warehousing and logistics, etc. where flexible material handling is required, for loading, unloading, stacking, and transfer operations.

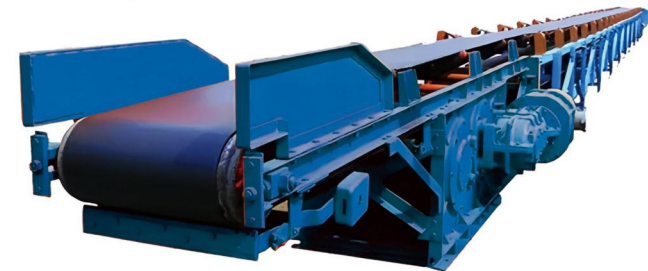
移动皮带机 Mobile belt conveyor



轮式接力皮带机

轮式接力皮带机在特定应用场景中具有显著的优势，包括智能巡检、安全监测、自动化控制等特点，能够有效提升生产效率和安全性。
Wheeled belt conveyors possess significant advantages in specific application scenarios, featuring intelligent inspection, safety monitoring, and automated control, which can effectively enhance production efficiency and safety.

固定皮带机 Fixed belt conveyor

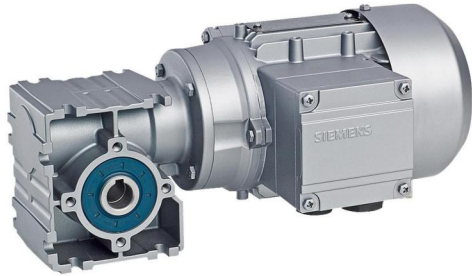


固定式皮带输送机

固定式皮带输送机的主要特点包括输送平稳、结构简单、能耗较低、输送量大且通用性强。固定式皮带输送机由于输送量大，结构简单，维护方便，成本低，通用性强等优点，而被广泛地应用在冶金、矿山、煤炭、港口、交通、水电、化工等部门。
The main features of fixed belt conveyors include smooth conveying, simple structure, low energy consumption, high conveying capacity, and strong versatility. Due to advantages gh conveying capacity, simple structure, easy maintenance, low cost, and strong versatility, fixed belt conveyors are widely used in metallurgy, mining, coal, ports, transporta, hydropower, and chemical industries.

MAIN COMPONENTS

主要零部件



① 西门子电机/Siemens motor

1. 高效节能与精准控制
High efficiency, energy saving and precise control
2. 高可靠性与长寿命
High reliability and long lifespan
3. 多样化产品线与广泛适用性
Diversified product lines and wide applicability
4. 环保设计
Eco-design
5. 技术支持与服务
Technical support and service

② 国茂减速机/Guomao reducer

1. 高精度齿轮转动
High-precision gear rotation
2. 结构紧凑与轻量化
Compact structure and lightweight design
3. 低噪音与高可靠性
Low noise and high reliability
4. 高承载能力与节能性
High load capacity and energy efficiency
5. 广泛适应性与成本优势
Broad applicability and cost advantages



采用负载敏感系统

1. 节能高效, 降低能耗
通过实时感知负载需求, 系统仅提供所需流量和压力, 避免了传统液压系统中因固定流量或压力造成的能量浪费。高效率设计显著降低了燃料消耗和系统发热量, 符合现代工业对绿色能源的需求。

2. 多执行元件同步工作
支持多个执行元件同时运行, 且流量分配与负载需求无关。每个阀芯可独立设置压力和流量参数, 实现微调性能, 满足复杂工况下的精准控制需求。

3. 系统灵活性与可靠性
单一液压泵即可满足多个回路的压力-流量需求, 简化了系统结构, 避免了多联泵或复杂阀组带来的维护成本。采用负载反馈机制, 动态调整泵输出, 确保系统始终匹配负载变化, 提升整体可靠性。

4. 经济性 with 适用性
通过减少功率损耗和发热量, 降低了设备运行成本。该技术已广泛应用于工程机械、矿山机械等领域, 验证了其经济性和实用性。

Load-sensitive system

1. Energy-saving and efficient, reducing energy consumption
By sensing load demand in real time, the system provides only the required flow and pressure, avoiding energy waste caused by fixed flow or pressure in traditional hydraulic systems. The high-efficiency design significantly reduces fuel consumption and system heat generation, meeting modern industry's demand for green energy.

2. Synchronous operation of multiple actuators
Supports simultaneous operation of multiple actuators, with flow distribution independent of load demand. Each spool can independently set pressure and flow parameters, enabling fine-tuning performance to meet precise control requirements in complex working conditions.

3. System flexibility and reliability
A single hydraulic pump can meet the pressure-flow demands of multiple circuits, simplifying system structure and avoiding maintenance costs associated with multi-pump or complex valve groups. The load feedback mechanism dynamically adjusts pump output to ensure the system always matches load changes, enhancing overall reliability.

4. Cost-effectiveness and applicability
By reducing power loss and heat generation, equipment operating costs are lowered. This technology has been widely applied in fields such as construction machinery and mining machinery, proving its economic and practical value.

③ 丹佛斯液压泵
Danfoss hydraulic pump



1. 高效能与低能耗
High efficiency and low energy consumption
2. 高可靠性与耐用性
High reliability and durability
3. 灵活配置与空间优化
Flexible configuration and space optimization
4. 精确控制与多种模式
Precise control and multiple modes
5. 长寿命与低维护成本
Long lifespan and low maintenance costs

④ 力士乐减速机/Rexroth reducer

1. 采用模块化设计, 便于组合和安装
Modular design for easy assembly and installation
2. 环境适应性强
Strong environmental adaptability
3. 配备动态多片式制动器, 制动效率提升
Equipped with a dynamic multi-disc brake, braking efficiency is improved.



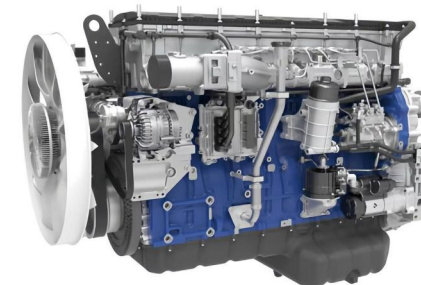
⑤ ABB电动机启动器
ABB motor starter

1. 高效节能与软启动技术
High-efficiency energy saving and soft-start technology
2. 多重保护功能
Multiple protection functions
3. 智能控制与兼容性
Intelligent control and compatibility
4. 紧凑设计与高可靠性
Compact design and high reliability
5. 灵活应用场景
Flexible application scenarios



⑥ 潍柴柴油机
Weichai diesel engine

1. 动力性能突出
Dynamic performance is outstanding
2. 燃油经济性与环保
Fuel economy and environmental protection
3. 可靠性与耐用性
Reliability and durability
4. 环境适用性
Environmental adaptability



COMPANY'S MAIN PRODUCTS 公司主要产品

斗轮取料机
Bucket-wheel stacker-reclaimer

PDQ-500型斗轮取料机
PDQ-500 bucket wheel reclaimer

PDQ-1000型斗轮取料机
PDQ-1000 bucket wheel reclaimer

PDW-2000型斗轮挖掘机
PDW-2000 bucket wheel excavator

PDW-3000型斗轮挖掘机
PDW-3000 bucket wheel excavator

螺旋式取料机
Helical scraper conveyor

PDX-500单皮带螺旋扒料机
PDX-500 Single Belt Screw Feeder

PDX-500双皮带螺旋扒料机
PDX-500 double belt spiral scraper conveyor

堆料堆高机
Stacker crane

DG-1200轮胎堆料机
DG-1200 tire pile stacker

DG-1000履带移动转动堆料机
DG-1000 crawler mobile slewing stockpiler

PDZ-1000轮胎移动式卸料堆高机
PDZ-1000 Tire Mobile Unloading Stacker

PDZ-1000履带移动式卸料堆高机
PDZ-1000 crawler-type mobile unloading stacker

环保型皮带机
Environmental protection belt conveyor

履带式接力皮带机
Chain-type relay belt conveyor

履带式移动舱底皮带机
Track-type mobile bottom belt conveyor

固定皮带输送机
Fixed belt conveyor

PDQ-500 标准型斗轮机

PDQ-500 Standard Bucket Wheel Machine



主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	整机尺寸:(mm)	21000×5400×4200
2	额定出力:(m³/h)	500
3	碎石密度:(t/m³)	≤2.0
4	作业供电方式:	市电供电
5	行走方式:	液压
6	整机重量:(t)	65
7	整机功率:(Kw)	205
8	耗电量:(°)	75
9	履带驱动形式:	液压马达+减速机
10	履带驱动功率:(Kw)	55
11	履带行驶速度:(Km)	0~2
12	斗轮数量:(个)	8
13	斗轮直径:(mm)	5254
14	斗轮转速:(r/min)	6·7
15	轮斗容积:(m³/个)	0.25
16	轮斗数量:(个)	8
17	斗齿:	合金钢
18	斗轮俯仰角度:(°)	-19~+20
19	斗轮取料臂长:(mm)	7700
20	出料臂长:(mm)	12000+5000
21	斗轮取料回转角度:(°)	±65
22	斗轮驱动形式:	电动机
23	斗轮驱动电动机功率:(Kw)	75
24	取料传送带型号:(mm)(宽×高)	B1200×7150
25	取料传送带驱动形式:	电机减速机
26	取料传送带带速:(m/s)	2.5



产品亮点

PRODUCT HIGHLIGHTS



能效高

HIGH ENERGY EFFICIENCY

对于大宗物料连续取料能力大,作业面宽,效率高,履带行走移机迅速,节约时间。
it has large capacity of continuous picking up bulk materials, wide working surface, high efficiency, crawler traveling and moving themachine quickly,saving time.

用人少

LABOR-SAVING

1~2人操作(或无人)已实现自动化采挖。
1-2 person operation (or no one) has automated the harvesting.

能耗低

LOW ENERGY CONSUMPTION

设备总功率166KW有效功率127KW, 用外接380V交流电,每度电按照当地单价1元(当地实际单价)计算, 每立方采挖成本0.381元采用柴油发电机组200KW, 每小时均耗油50L,按照柴油7元计算, 每立方采挖成本0.7元。相比传统挖掘机, 同样运行成本降低46%, 采购成本降低50%。一台工作能力代替2-10台传统挖掘机。
The total power of the equipment is 166Kw, the effective power is 127KW, with external 380V AC power, each degree of electricity according to the local unit price of 1 yuan (the actual local unit price calculation, each cubic digging cost 0.381 yuan, Using diesel generator set 200Kw, every hour oil consumption 50L, according to diesel fuel 7 yuan /L calculation, each cubic digging cost 0.7 yuan. Compared with the traditional excavator, the same running costs reduced by 46%, procurement costs reduced by 50%. A working capacity to replace 2-10 sets of traditional excavators.

机械使用维护成本低

LOW MAINTENANCE COSTS FOR MACHINERY USE

日常维护易损件少,挖掘斗,斗齿,托辊等。
Fewer wearing parts for daily maintenance, excavating bucket, bucketteeth, rollers and so on.

环保性能好

GOOD ENVIRONMENTAL PERFORMANCE

斗轮挖掘、挖掘臂输送系统、出料臂输送系统低速运行, 扬尘少。
Bucket wheel excavation, digging arm conveyor system, and discharge arm conveyor system operate at low speeds and raise less dust.

可靠性好

GOOD RELIABILITY

整机采用380V交流电/柴油发电机组为动力源,电机,减速机等国产品牌,电气控制元件、PLC、液压系统泵、阀采用进口件。
The whole machine adopts 380V alternating current diesel generator set as the power source, motor, reducer and other domestic brands, electrical control components, PLC, hydraulic system pumps, valves using imported parts.

设备前瞻性

EQUIPMENT FORWARD-LOOKING

通过对设备控制智能化设计,已实现取料无人化,远程监控现场工作画面,远程控制设备运行,远程监控设备运行数据,已及设备故障报警维修等,先进的自动润滑系统,提高了各回转部件的使用寿命,降低设备故障率。
Through the intelligent design of equipment control, it has realized the unmanned picking up of materials, remote monitoring of on-site work screen, remote control of equipment operation, remote monitoring of equipment operation data, has and equipment failure alarm maintenance, etc. The advanced automatic lubrication system improves the service life of each rotary component and reduces the failure rate of the equipment.

PDQ-1000

标准型斗轮机

PDQ-1000 Standard Bucket Wheel Machine



产品数据

PRODUCT DATA

序号	名称	技术参数
1	整机尺寸 (mm)	25668×6400×5200
2	履带驱动液压马达	按企业标准
3	履带驱动液压泵	按企业标准
4	履带行走速度 (m/min)	0~2
5	履带接地比压 (kpa)	25
6	履带板宽度 (mm)	1000
7	底盘宽度 (mm)	4600
8	推铲宽度 (mm)	5000
9	斗轮直径 (mm)	6000
10	料斗数量 (个)	10
11	额定斗容 (m ³)	0.35
12	单位切割力 (kg/cm ²)	120
13	轮斗转速 (r/min)	6
14	取料臂长 (mm)	9700
15	额定出力 (m ³ /h)	1000

产品亮点

PRODUCT HIGHLIGHTS

对主要零部件的结构设计,以及斗轮驱动系统传动装置的优化设计,采用斗轮堆取料机的自动控制技术、现场通信网络技术、远程通信系统技术,采用计算机视觉技术监控斗轮机的方法,斗轮堆取料机设计的虚拟样机技术和虚拟现实技术,变幅装置运动学仿真技术、斗臂架模态分析、CATIA铲斗三维造型技术和非电量检测技术的应用,提高了设备应用及运行的稳定可靠性。

The structural design of the main components and the optimization design of the bucket wheel drive system transmission, the automatic control technology of the bucket wheel reclaimer, on-site communication network technology, remote communication system technology, the use of computer vision technology to monitor the bucket wheel machine, the virtual prototype technology and virtual reality technology for the design of the bucket wheel reclaimer, the kinematics simulation technology of the amplitude change device, modal analysis of the bucket arm frame CATIA The application of bucket three-dimensional modeling technology and non-electricity detection technology improves the stability and reliability of equipment application and operation.

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通过对设备控制智能化设计,已实现取料无人化,远程监控现场工作画面,远程控制设备运行,远程监控设备运行数据,已及设备故障报警维修等,先进的自动润滑系统,提高了各回转部件的使用寿命,降低设备故障率。
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潍坊港施工现场

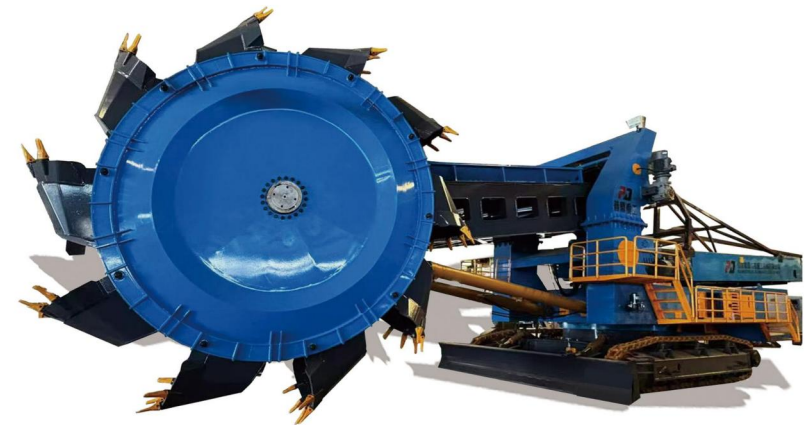


临清热电厂斗轮机

PDW-2000

轮斗挖掘机

WHEELBARROW EXCAVATOR



轮斗挖掘机特别适合于露天矿,大型土方工程(例如公路,运河或水坝),储料场应用。在露天矿,对开采规模的要求有很大区别,因此可采用各种不同的采掘设备,不同机型组成的联合机组见下列:

Bucket wheel excavators are particularly suitable for use in open pit mines, large scale mining projects (e.g. highways, canals or dams), and storage yards. In open-pit mines, the requirements for the scale of mining are very different, so a variety of different mining equipment can be used, the different models of combined units are shown below:

- 01 带输送机、装载机的巨型斗轮挖掘机。
Giant bucket wheel excavator with conveyor bridge and transfer machine.
- 02 轮斗挖掘机向重型卡车装料。
Bucket wheel excavator loading heavy trucks.
- 03 轮斗挖掘机的卸料臂向工作面输送机给料。
The unloading arm of the wheelbarrow excavator feeds the work surface conveyor.
- 04 轮斗挖掘机和转载机组成的联合机。
Combined machine consisting of wheel bucket excavator and loader.

物料特性

MATERIAL CHARACTERISTICS

级	土岩/种类	土岩/强度	强度极限fpr (MPa)	抗压强度P (MPa)
I	高强度岩石	坚韧的石英和玄武岩	20	200
II	非常硬的岩石	花岗岩、斑状石英	15	150
III	硬岩	花岗岩、硬砂岩、硬铁矿石	10	100
IV	比较硬的石料	普通砂岩、铁矿石	6	60
V	中等硬度石料	坚硬的页岩、软砂岩和石灰岩	4	40
VI	比较软的石料	软石板、非常软的砂岩、细砂、无烟煤、表面硬化的砾石和砂	2	20
VII	较软的石料	砾石土、碎石、硬的化石煤、硬化土	1.5	15
VIII	软石	硬黏土、软化石煤、亚黏土、硬褐煤	1.0	10
IX	软石	砂砾土、粗粒土、黄土	0.8	--
X	土	表土(或天然砂土)、泥煤、亚砂土、砂	0.6	--
XI	松土	砂、排弃土、软褐煤	0.5	--
XII	泥浆土	泥浆、泥浆黄土	0.3	--

■ 轮斗挖掘机可以挖掘到VI到XII级物料。

产品亮点

PRODUCT HIGHLIGHTS

轮斗挖掘机的连续生产率高，开采量大，服务年限长，可获得良好的经济效益。

Bucket wheel excavators have high continuous productivity, large mining capacity, long service life, and can obtain good economic benefits.

标准化、系列化、通用化，产品制造过程优化，更有利于维护检修。

Standardization, serialization, generalization, product manufacturing process optimization, more conducive to maintenance and overhaul.

电气自动化程度高，实现自动控制及远程控制。

High degree of electrical automation, realizing automatic control and remote control.

轮斗挖掘机的切割力大，挖掘能力大，效率高。

Bucket Wheel Excavators have high cutting power, high digging capacity and high efficiency.

主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	整机尺寸:(m)	长49+15伸缩×8高×10宽
2	履带驱动液压马达:	按企业标准
3	履带驱动液压泵:	按企业标准
4	履带行走速度:(m/min)	8.5
5	履带接地比压:(kpa)	125
6	履带驱动电动机功率:(Kw)	75
7	斗轮直径:(mm)	7400
8	料斗数量:(mm)	12
9	额定斗容:(m3)	0.5
10	单位切割力:(kg/cm2)	120
11	轮斗转速:(r/min)	3~7
12	取料臂长:(mm)	16000
13	额定出力:(m ³ /h)	2000
14	斗轮驱动功率:(Kw)	550
15	斗轮左右摆臂:(Kw)	11
16	物料密度:(t/m3)	0.8~1.8
17	取料传送带长度:(mm)	9200
18	取料传送带宽度:(mm)	1600
19	取料传送带驱动形式:	电动机+减速机
20	取料传送带带速:(m/s)	2.8
21	取料传送带回转角度:(°)	±60
22	取料传送带俯仰角度:(°)	±14
23	取料传送带额定出力:(m ³ /h)	2000
24	取料输送带功率:(Kw)	44
25	主机驱动及液压:(Kw)	75
26	轮斗驱动:(Kw)	550
27	取料输送带驱动:(Kw)	44
28	出料输送带驱动:(Kw)	96
29	斗轮左右摆臂:(Kw)	15

PDW-3000

遥控履带轮斗挖掘机

REMOTE CONTROL CRAWLER BUCKET EXCAVATOR



主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	理论能力:(m³/h)	3000
2	额定斗容:(m³)	0.71
3	斗轮直径:(m)	8.2
4	斗轮数量:(个)	12
5	单位切割力:(kg/cm)	120
6	斗轮转速:(r/min)	2-6
7	物料松散特性:(级)	6-12
8	斗轮驱动功率:(Kw)	1100
9	卸料臂向对取料臂回转角度:(°)	±105
10	取料臂回转角度:(°)	360
11	上挖高度:(m)	15
12	下挖高度:(m)	1
13	取料输送皮带宽度:(mm)	1600
14	取料输送皮带速度:(m/s)	3.0/5.0m/s
15	接地比压:(Kpa)	120
16	履带最大行走速度:(m/min)	8.5
17	驱动方式:	电机减速机
18	整机重量:(t)	750
19	整机功率:(KW)	1410

产品亮点

PRODUCT HIGHLIGHTS

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斗轮式挖掘机(也叫斗轮挖掘机或轮斗挖掘机)是一种利用装于动臂前端转轮上的多个铲斗连续挖掘的多斗挖掘机用于大量土方的挖掘、矿场的剥离和采掘以及大型料场的装卸作业,生产率高、挖掘力较大,可直接挖掘较坚硬的土壤,在大型建筑、水利工程和矿场中,常与运输设备等配套,组成连续作业线斗轮挖掘机按生产率或机重分小型、中型、大型、特大型和巨型,大型以上斗轮挖掘机挖掘力大,常用于采矿,轮斗挖掘机是连续化作业设备中比较理想的一种多斗挖掘设备。

Bucket Wheel Excavator (also called Bucket Wheel Excavator or Bucket Wheel Excavator) is a kind of multi-bucket excavator using multiple buckets mounted on the rotating wheel at the frontend of the movable arm for continuous excavation for a large amount of earth excavation, mine stripping and mining, as well as loading and unloading of large yards of material, with high productivity and high digging force, it can directly excavate the harder soil, and it is often used in large-scale constructions, water conservancy projects and mines to form continuous poeration lines, which is divided into small, medium and heavy according to the productivity or weight. Continuous operation line, bucket wheel excavator according to the productivity or weight points small, medium, large, extra large and giant, large and above bucket wheel excavator digging force, commonly used in mining, bucket wheel excavator is a continuous operation equipment is more ideal for a multi-bucket excavation equipment.

PDZ-1000

轮胎移动式卸料堆高机

CRAWLER MOBILE UNLOADING STACKER



特征及优点

FEATURES AND BENEFITS

- 设备总功率149.5KW，有效功率89.5KW。用外接380伏交流电，每度电按照当地单价1元(当地实际单价)计算，每立方堆料成本0.134元。采用柴油发电机组150KW，每小时均耗油42L，按照柴油7元/计算，每立方堆料成本0.294元。相比传统挖掘机，同样运行成本降低54%，一台工作能力替代2-10台传统挖机，采购成本降低50%。输送物料尺寸小于300mm(约30cm以下)。
The total power of the equipment is 149.5KW, and the effective power is 89.5KW. 380V AC power is used externally, and each degree of electricity is calculated according to the local unit price of 1 yuan (the actual unit price in the local area), and the cost of stacking per cubic meter is 0.134 yuan. The use of diesel generator sets 150KW, per hour oil consumption of 42L, according to the diesel fuel 7 yuan/calculation, the cost of 0.294 yuan per cubic yard of material. Compared with the traditional excavator, the same running costs reduced by 54%, a working capacity to replace 2-10 sets of traditional excavators, procurement costs reduced by 50%. The size of conveyed material is less than 300mm (about 30cm or less).
- 自卸卡车直接喂料且喂料高度可根据自卸车型号定制;
Dump trucks feed directly and the feeding height can be customized according to the model of dump trucks.
- 场地适应能力强移动灵活;
Strong site adaptability and flexible movement.
- 除尘/抑尘措施完备，工作污染小;
Complete dust removal/suppression measures, with little work pollution.
- 工作能力达1000m³/h (取决于自卸车装卸频率);
Working capacity up to 1000m³/h (depending on the loading and unloading frequency of dump trucks).
- 较低的投资成本;
Lower investment cost.

配置选项

CONFIGURATION OPTIONS

柴油机直接驱动(可选双动力, 电动机驱动皮带)
Diesel direct drive (optional dual power, electric motor driven belt)

液压升降坡道，可多方向进料，提高卸料输送效率
Hydraulic lifting ramp for multi-directional feeding to improve unloading and conveying efficiency

除尘措施：整机镀锌、防尘布覆盖、伸缩溜筒除尘、喷水抑尘系统
Dust removal measures: galvanization of the entire machine, dustproof cloth cover, telescopic chute dust removal, water spray dust suppression system

高承载板链皮带
High load plate chain belt

主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	整机尺寸:(mm)	24000×5200×4100
2	底盘驱动形式:	轮胎+液压驱动
3	整机行驶速度:(Km/h)	0-3
4	整机重量:(t)	68
5	作业能力:(T/h)	1000
6	卸料仓长度:(mm)	4415
7	卸料仓宽度:(mm)	4675
8	卸料板带宽度:(mm)	2400
9	卸料板带长度:(mm)	13000
10	卸料驱动形式:	电机减速机
11	卸料驱动功率:(kw)	90
12	卸料作业能力:(T/h)	1000
13	物料特性比重:(T/m³)	2.7
14	主出料带长度:(mm)	13000
15	主出料带宽度:(mm)	1400
16	主出料带带速:(m/s)	3.15
17	主出料带托辊直径:(mm)	φ108
18	主出料带托辊槽角:(°)	35
19	主出料带驱动形式:	电机减速机
20	主出料带驱动功率:(Kw)	75
21	主出料带作业能力:(T/h)	1000
22	伸缩带长度:(mm)	5800
23	伸缩带宽度:(mm)	1400
24	伸缩带托辊直径:(mm)	φ108
25	伸缩带托辊槽角:(°)	35
26	伸缩带作业能力:(T/h)	1000
27	伸缩带俯仰角度:(°)	+20, +5
28	伸缩带回转角度:(°)	±60
29	最大卸料高度:(mm)	8000

DG-1200

轮胎堆料机

RUBBER WHEEL STACKER



产品亮点

PRODUCT HIGHLIGHTS

结构优化, 牢固实用:轮胎堆料机设备结构进行优化, 主梁型材采用加强型结构设计, 抗弯性能提高, 更牢固:输送角度大

Structural optimization for enhanced durability and practicality: The tire stacking machine's structure has been optimized, with the main beam profile adopting a reinforced structural design. This improves bending resistance and overall durability while allowing for larger conveying angles

物料处理能力强大:提高了物料处理速度

Material handling capability is powerful: improved material handling speed

安全效益高、环境效益高:可配置防尘和降噪设施, 满足当下严格的环保要求, 安全效益高, 减少人在个站点间的移动

High safety and environmental benefits: Dust-proof and noise-reduction facilities can be configured to meet current strict environmental protection requirements, ensuring high safety benefits and reducing personnel movement between stations

多种设计, 用途广泛:这种设备可以根据用户的要求进行设计, 满足码头船运、石料厂等堆料、装载、输送转运的需要

Multiple designs and versatile applications: This device can be designed according to the user's requirements, meeting the needs of stacking, loading, and transporting materials in wharves, stone quarries, and other operations



主要用途

MAIN TECHNICAL PARAMETERS

轮胎堆料机应用领域非常广泛:碎石、砂子、矿石料场或者料仓堆料:砂石矿山破碎厂, 成品石料堆料;建筑废弃物、泥土、煤炭、粮食等高效安全的存放采石场处理后石料;港口船舶、卡车、铁路货运火车装卸作业;作为连接输送机, 连接生产线各个设备, 组成物料传输系统。这是一种工程上使用较多的设备, 主要用于装卸地点经常变动的场合, 如:港口、码头、车站、煤场、仓库、建筑工地、砂石料场、农场等。

Tire stackers have a wide range of applications: in gravel, sand, and ore yards or warehouses for stacking materials; in sand and stone crushing plants for finished stone stacking; for efficient and safe storage of construction waste, soil, coal, grain, etc.; in port, ship, truck, and railway freight handling operations; as connecting conveyors to link various equipment in production lines, forming material handling systems. This is a type of equipment commonly used in engineering, particularly in locations where loading and unloading points frequently change, such as ports, docks, stations, coal yards, warehouses, construction sites, sand and stone yards, farms, etc.

主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	整机尺寸:(mm)	25668×6472×5120
2	额定出力:(t/h)	1200
3	密度:(t/m3)	0.8-3
4	矿石规格:(mm)	1-100
5	作业动力方式:	市电
6	行走方式:	液压, 轮式
7	整机功率:(kw)	190
8	整机重量:(t)	≈40
9	伸缩臂:(mm)	12000
10	臂长:(mm)	35000
11	伸缩形式:	齿条
12	最大卸料高度:(m)	10.5
13	最小卸料高度:(m)	4
14	卸料带带宽:(mm)	1200
15	回转角度:(°)	±360
16	最大俯仰角度:(°)	+17
17	最小俯仰角度:(°)	+8
18	出料输送带驱动:	电机+减速机
19	出料主带带速:(m/s)	2.5
20	出料主带驱动电动机功率:(kW)	35*2
21	出料伸缩副带带速:(m/s)	3
22	出料副带驱动电动机功率:(kW)	20×2
23	伸缩驱动:	液压马达
24	轮胎型式:	实心胶轮

PDX-500

螺旋扒料机

SCREW SCRAPER



应用领域:

APPLICATION FIELD

扒料机适用于煤炭、块煤，煤矸石、石子，建筑垃圾，河道清淤，楼房地基挖土，等行业散料快速装卸车，堆料。

The stripper is suitable for coal, block coal, coal gangue, stone, construction waste, river dredging, building foundation excavation, other industries to bulk material fast loading and unloading truck, and bulk material storage and stacking.

配置选项

CONFIGURATION OPTIONS

柴油机直接驱动(可选双动力, 电动机驱动皮带)
Diesel direct drive(optional dual power, electric motor driven belt)

液压升降坡道, 可多方向进料, 提高卸料输送效率
Hydraulic lifting ramp for multi-directional feeding to improve unloading and conveying efficiency

除尘措施: 整机镀锌、防尘布覆盖、伸缩溜筒除尘、喷水抑尘系统
Dust removal measures: galvanization of the entire machine, dustproof cloth cover, telescopic chute dust removal, water spray dust suppression system

高承载橡胶皮带
High-strength rubber belt



主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	整机尺寸:(mm)	15000×4000×2500
2	额定出力:(t/h)	500
3	密度:(t/m ³)	0.8-3
4	矿石规格:(mm)	1-100
5	作业动力方式:	市电
6	行走方式:	履带行走
7	整机功率:(kw)	≈100
8	整机重量:(t)	≈18
9	伸缩臂:(mm)	5000
10	臂长:(mm)	13500
11	伸缩形式:	液压油缸
12	最大卸料高度:(m)	4-13(可定制)
13	最小卸料高度:(m)	4
14	卸料带带宽:(mm)	1200
15	螺旋驱动形式:	液压马达
16	最大俯仰角度:(°)	+20
17	最小俯仰角度:(°)	+8
18	出料输送带驱动:	电机+减速机
19	出料主带带速:(m/s)	2.5
20	出料主带驱动电动机功率:(kW)	15×2

功能特点

FUNCTIONAL FEATURES

自走式履带形走带遥控: 机动性好, 不易打滑, 牵引附着性能好, 可以在凹凸不平的地面上行走。
光电一体遥控系统: 大品牌电箱和集成电路, 保障工作环境更安全, 高效节能, 可实现前后、后退、正转、反转、升降、转向、伸缩。一人即可操作。

Self-propelled track walking belt with remote control: good mobility, not easy to slip, traction adhesion performance is good, also can walk on the bumpy ground.
Photoelectric integrated remote control system: big brand electric box and integrated circuit, to ensure a safer working environment, high efficiency and energy saving, it can achieve front and back, backward, forward, re-verse, lifting, steering, telescopic. it can be operated by one person.

履带式接力皮带机

TRACK-TYPE RELAY BELT CONVEYOR



特征及优点

FEATURES AND BENEFITS

- **超长距离覆盖：**通过多段拼接，可实现数公里甚至数十公里的连续输送，满足长大隧道、大型矿山的出渣需求；

Ultra-long distance coverage: Through multi-segment splicing, continuous transportation over several kilometers or even tens of kilometers can be achieved, meeting the mucking requirements of long tunnels and large mines.

- **复杂地形适应：**可根据地形变化调整各段皮带的角度（如隧道斜井的倾斜皮带、地下工程的扇形接力皮带），适应起伏、转折等复杂路径；

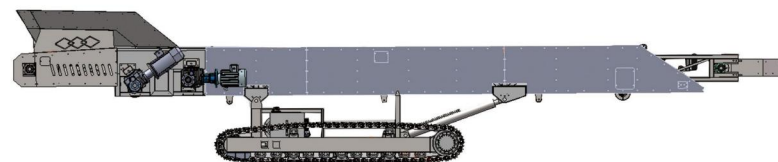
Complex terrain adaptation: The angle of each belt segment can be adjusted according to terrain changes (such as inclined belts in tunnel inclined shafts and fan-shaped relay belts in underground engineering), adapting to undulating, turning and other complex paths;

- **高效连续作业：**各段皮带机同步运行，物料不间断传输，大幅提升输送效率，减少停机等待时间；

Efficient continuous operation: Synchronized operation of each conveyor belt section ensures uninterrupted material transportation, significantly improving conveying efficiency and reducing downtime waiting periods;

- **模块化灵活性：**可根据工程进度增减皮带机数量，调整输送路线，适应动态施工需求（如地下工程分层开挖时的接力调整）。

Modular flexibility: The number of belt conveyors can be increased or decreased according to the project schedule, and the conveying route can be adjusted to meet dynamic construction requirements (such as relay adjustment during layered excavation in underground projects).



主要用途

MAIN PURPOSE

接力皮带机是皮带输送机的一种特殊布置形式，通过多台皮带机依次连接、分段接力传输物料，实现长距离、复杂路径的连续输送。其核心价值在于解决单一皮带机无法覆盖的超长距离或复杂地形输送问题，广泛应用于矿山、隧道、地铁、大型工地等需要长距离物料转运的场景。例如，隧道施工中，洞内皮带机将渣土输送至洞口，再通过洞外接力皮带机转运至弃渣场；大型建筑工程中，通过多节辅助输送带接力传输土方，适应楼层内扇形作业面的出土需求。

The relay belt conveyor is a special configuration of belt conveyors, which connects multiple conveyors in sequence to transport materials in sections through relay transmission, achieving continuous conveying over long distances and complex paths. Its core value lies in addressing the challenges of ultra-long-distance or complex-terrain transportation that a single conveyor cannot cover, making it widely applicable in scenarios requiring long-distance material transfer such as mines, tunnels, subways, and large construction sites. For instance, in tunnel construction, an in-tunnel belt conveyor transports muck to the tunnel entrance, where an external relay belt conveyor then transfers it to a spoil disposal site; in large-scale construction projects, multiple auxiliary conveyor belts work in relay to transport earthwork, meeting the soil removal demands of fan-shaped working faces within building floors.

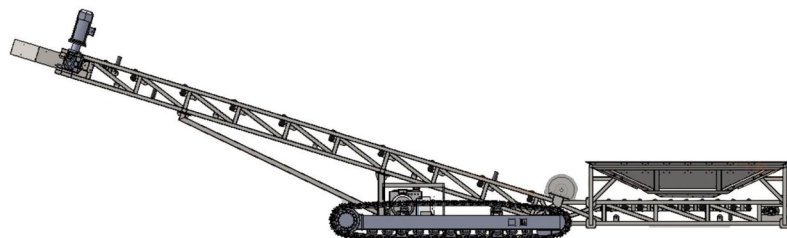
主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	整机尺寸:(mm)	13600×3800×2500
2	额定出料力:(t/h)	≥100t
3	密度:(t/m ³)	0.8-1
4	矿石规格:(mm)	1-100
5	作业动力方式：	市电
6	行走方式：	履带、液压
7	外框皮带机功率:(kw)	30
8	皮带宽度：	1200
9	内框皮带机功率:(kw)	20
10	液压电机功率:(kw)	35
11	整机电动机功率:(kw)	85

履带式移动舱底皮带机

TRACK-TYPE MOBILE BOTTOM BELT CONVEYOR



特征及优点

FEATURES AND BENEFITS

- **强地形适应性：**履带式行走装置可在泥泞、松软、起伏的舱底地形（如矿坑底部、船舶甲板）稳定行走，无需提前修路；铰接式底盘和转盘机构进一步提升了机身对不平地面的调整能力。

Strong Terrain Adaptability: The crawler-type walking mechanism enables stable movement on muddy, soft, and uneven terrain (such as mine pits and ship decks) without requiring prior road preparation; the articulated chassis and turntable mechanism further enhance the machine's ability to adjust to uneven ground.

- **灵活机动性：**履带驱动可实现原地转向（360度）、小半径转弯，快速调整作业位置（如港口装船时对准船舱）；部分机型配备快速转场功能（如矿用机型），可在爆破后迅速撤离至安全区域，不影响后续作业。

Flexibility and Maneuverability: Track drive enables on-the-spot turning (360 degrees) and small-radius turns, allowing quick adjustment of working positions (e.g., aligning with ship holds during port loading). Some models are equipped with rapid relocation functions (e.g., mining models), enabling swift evacuation to safe zones after blasting without affecting subsequent operations.

- **稳定性与可靠性：**桁架结构增强了机身整体刚性，减少皮带运行时的震动；柔性连接的托辊架降低了皮带跑偏概率。

Stability and reliability: The truss structure enhances the overall rigidity of the fuselage, reducing vibration during belt operation; the flexibly connected roller frame lowers the probability of belt deviation.

- **模块化设计：**机架、桁架、输送带等部件采用模块化组装，可根据舱底作业需求（如输送距离、物料类型）快速调整长度、带宽或倾角。

Modular design: Components such as racks, trusses, and conveyor belts adopt modular assembly, allowing rapid adjustment of length, belt width, or inclination angle according to bilge operation requirements (e.g., conveying distance, material type).

主要技术参数

MAIN TECHNICAL PARAMETERS

序号	名称	技术参数
1	整机尺寸:(mm)	15000×1200×3100
2	额定出料力:(t/h)	≥100t
3	密度:(t/m ³)	0.8-1
4	矿石规格:(mm)	1-100
5	作业动力方式:	市电
6	行走方式:	履带、液压
7	皮带机功率:(kw)	41
8	皮带宽度:	1200
9	液压电机功率:(kw)	20
10	整机电动机功率:(kw)	65

履带式移动舱底皮带机概述

OVERVIEW OF CRAWLER MOBILE BILGE BELT CONVEYOR

履带式移动舱底皮带机是一种融合履带移动底盘与皮带输送功能的散料输送设备，核心定位是解决舱底（如船舶、矿坑、港口码头等）狭小、不平或需要频繁转场的作业场景中的物料输送问题。其本质是通过履带的接地比压优势，将传统固定或轮胎式皮带机的“固定作业”升级为“灵活机动”，尤其适用于舱底这类对设备移动性和地形适应性要求高的环境。

Track-mounted mobile bottom belt conveyor is a bulk material handling equipment that integrates crawler mobile chassis with belt conveying functions. Its core positioning is to solve material transportation problems in confined, uneven, or frequently relocated workspaces at bottoms (such as ships, mining pits, ports, etc.). The essence lies in upgrading traditional fixed or wheeled belt conveyors' "stationary operation" to "flexible mobility" through the crawler's ground pressure advantage, making it particularly suitable for bottom environments demanding high equipment mobility and terrain adaptability.

PRODUCT PROCESSING

产品加工过程



④ 激光下料/LASER DOWELING

将材料放置在激光切割机的工作台上，然后利用激光的高能量密度来对材料进行切割，从而实现精确的切割过程。

The material is placed on the table of the laser cutter and then the high energy density of the laser is utilized to cut the material for a precise cutting process.

⑤ 大型转弯/LARGE BENDING

大型转弯加工是指将大型工件由大型转弯机折弯成型的工艺过程，以改变板材或板件角度的加工。

Large bending processing refers to the process of bending large workpieces by a large bending machine to change the angle of the sheet or plate.



⑥ 喷砂施工/LASER DOWELING

喷砂施工是一种表面处理工艺，主要用于清理和准备工件表面，以便进行涂装或其他处理。

Abrasive blasting construction is a surface preparation process used primarily to clean and prepare the surface of a workpiece for painting or other treatments.



⑦ 喷漆施工/SPRAY PAINTING

斗轮机喷漆施工是一种针对斗轮机进行的表面处理工作，旨在通过喷漆来保护斗轮机的外表面，延长其使用寿命。

Bucket wheel painting is a type of surface treatment work for bucket wheel which aims to protect the outer surface of the bucket wheel and prolong its service life by spraying paint.



PD 山东普鼎斗轮重机械有限公司
SHANDONG PUDING DPU LUN ZHONG GONG JI XIE YOU XIAN GONG SI



④ 方管切割机/CUTTING MACHING

通过工作平台的定位确定方管的固定位置，进给系统通过电脑程序控制机械主机的运动实现对方管的准确切割。

The fixed position of the square yube is determined by the positioning of the working platform, and the feeding system controls the movement of the mechanical host through the computer program to realize the accurate cutting of the square tube.

⑤ 全自动焊接机械人/WELDING ROBOT

与传统的手工焊接相比，焊接机器人可以连续工作数小时而不需要休息，大大提高了生产效率。

Compared to traditional manual welding, welding robots can work for hours without a break, greatly increasing productivity.



⑥ 焊接加工/WELDING PROCESS

焊接加工是一种通过加热或加压，或两者并用，使焊件达到结合的加工方法。

Welding processing is a processing method in which weldments are brought together by heat or pressure, or both.

⑦ 现场安装/ON-SITE INSTALLATION

由操作人员通过专业步骤完成安装并调试，以确保设备在安装后可以正常运行。

Installation is completed and commissioned by the operator through specialized steps to ensure that the equipment is ready for normal operation after installation.



ABOUT RESUBLIMATION

服务与保障

项目铁三角运行系统 PROJECT IRON TRIANGLE OPERATION SYSTEM



打造铁三角攻坚团队，端到端及时响应客户需求，为客户提供全面的解决方案，客户更满意、运营更高效。

To build an iron Triangle, end-to-end timely response to customer needs, to provide customer with comprehensive solutions, more satisfied customers, more efficient operations.

售前

- 响应客户个性化需求，降本、增效、实现最大价值。

Respond to customer personalized needs, reduce costs, increase efficiency, and achieve maximum value.

- 优化客户现有需求，挖掘潜在需求，便于在后期与售后新业务拓展实现联通。

Optimize the existing needs of customers and tap the potential needs, so as to facilitate the connection with new after-sales business development in the later period.

售中

- 主设牵头的设计阶段：精准深入识别客户需求，避免遗漏、偏差

The design stage led by the main designer, accurately and deeply identify customer needs and avoid omissions and deviations.

- 项目经理牵头进入交付验收阶段：保证项目交付可控，客户提供交期保障。

The project manager takes the lead in entering the delivery acceptance stage: ensuring the controllable delivery of the project, and the customer providing delivery guarantee.

售后

- 客户提供全生命周期服务。

Customers provide full life cycle services.

- 持续附加服务。

Continuous additional services.

- 增值新业务：包含更新改造服务的新业务、降本增效技改等方案改造。

Value-added new business: new business including renewal and transformation services, cost reduction and technical transformation, etc.



山东普鼎斗轮重工机械有限公司
SHANDONG PUDONG DPU LUN ZHONG GONG JI XIE YOU XIAN GONG SI

PRODUCTION MANAGEMENT CONTROL SYSTEM 生产管理控制体系

生产日报统计、下料装配的阅读产量
生产异常预警、派工预期统计
Daily production and monthly output of cutting and assembly
Abnormal production early warning, overdue statistics

质检工序灵活配置
质检完成流程才能继续流转
Flexible configuration of quality inspection process.
Only after the quality inspection process is completed can the circulation continue.

同步ERP工单信息
PMC周计划派工、生产日计划派工
Synchronize erp work order information.
PMC plans to dispatch workers every week and every production day.

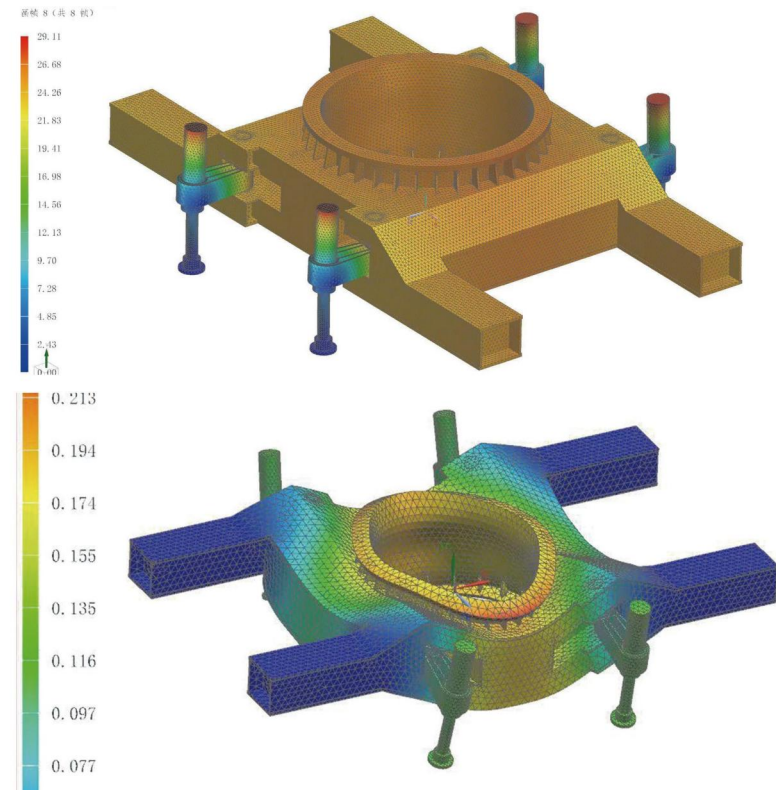
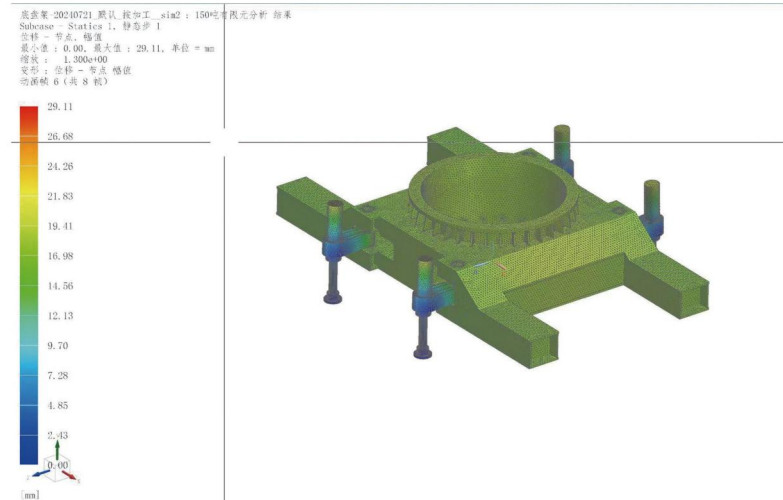
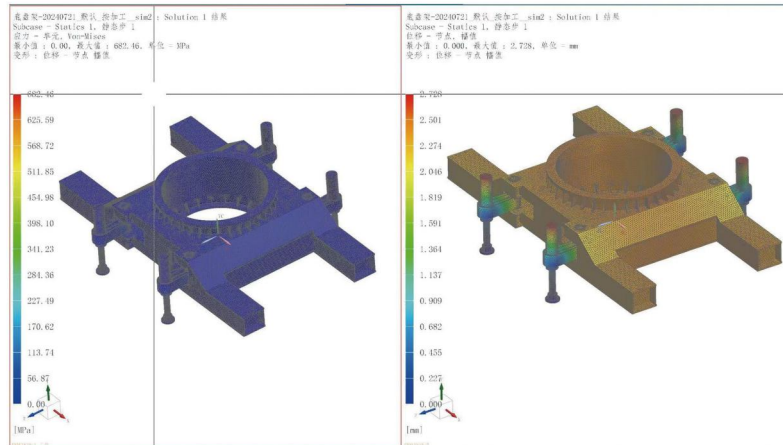


同步ERP工序配置、下料按件报工
装配按比例报工、报工数据同步会
写ERP
Synchronous ERP process configuration, blanking and piece-by-piece reporting. Assembly will be reported in proportion, and ERP will be written when the data is synchronized.

生产现场人员生产过程中提报缺料情况
物料小组根据紧急情况相应报缺
The production site personnel report the shortage of materials in the production process.
The material team shall report the vacancy accordingly according to the emergency.

FINITE ELEMENT ANALYSIS

有限元分析



有限元分析的优势

The advantages of finite element analysis

1. 通过有限元分析, 可以在产品设计阶段发现潜在问题, 避免在实际制造过程中出现设计缺陷导致的成本增加。
 2. 有限元分析能够快速进行大量复杂计算, 帮助工程师快速评估不同设计方案的优劣, 加快产品开发周期。
 3. 增加产品和工程的可靠性, 采用优化设计, 降低材料的消耗或成本。
1. Through finite element analysis, potential issues can be identified during the product design phase, avoiding cost increases caused by design defects in the actual manufacturing process.
2. Finite element analysis enables rapid execution of large-scale complex calculations, helping engineers quickly evaluate the pros and cons of different design solutions and accelerate the product development cycle.
3. It enhances the reliability of products and projects by adopting optimized designs, reducing material consumption or costs.

PRODUCTION SITE 生产现场

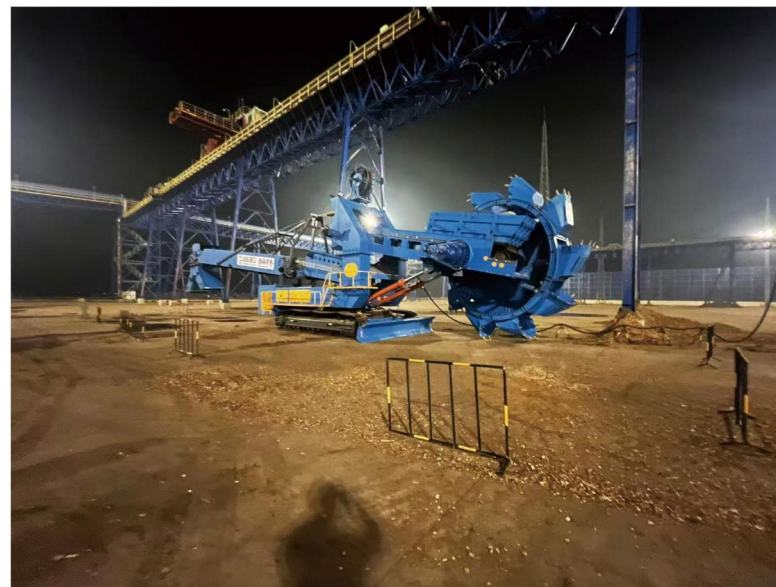
砂石土方现场/SAND AND GRAVEL EARTHWORK SITE



砂石现场/GRAVEL SITE



港口施工现场/PORT CONSTRUCTION SITE



水洗沙装车/WATER WASHED SAND TRUCK LOADING



PRODUCTION SITE 生产现场

国外现场/FOREIGN LIVE SCENE



试机现场/TEST SITE



电厂斗轮机/COAL YARD STACKER-RECLAIMER



挖土现场/EXCAVATION SITE



PRODUCTION SITE 生产现场

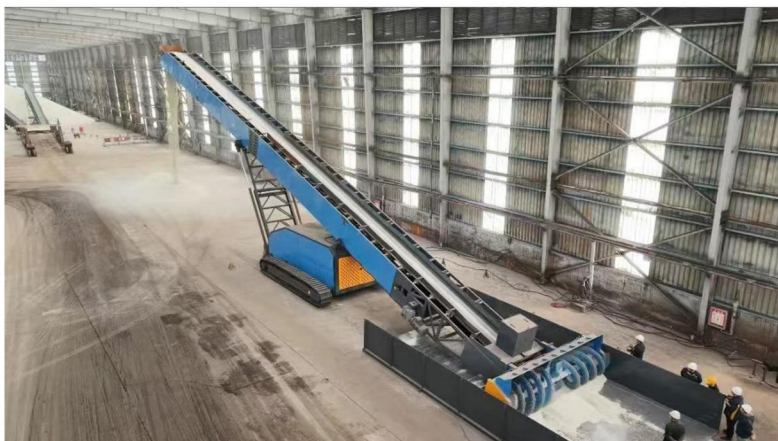
聊城现场/LIAOCHENG SCENE



东北现场/NORTHEAST SITE



港口现场/PORT SITE



东北现场/NORTHEAST SITE



PRODUCTION SITE 生产现场

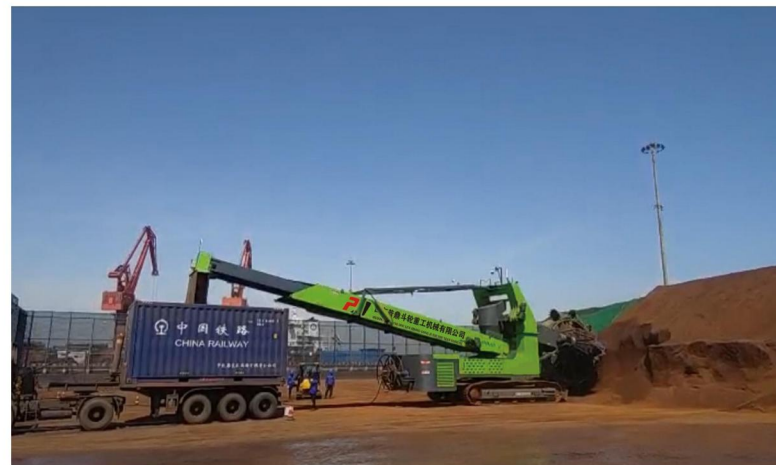
双皮带螺旋机试机现场/DOUBLE BELT SPIRAL MACHINE TEST SITE



堆高机试机现场/FORKLIFT TESTING SITE



码头装车现场/LOADING SITE AT THE DOCK

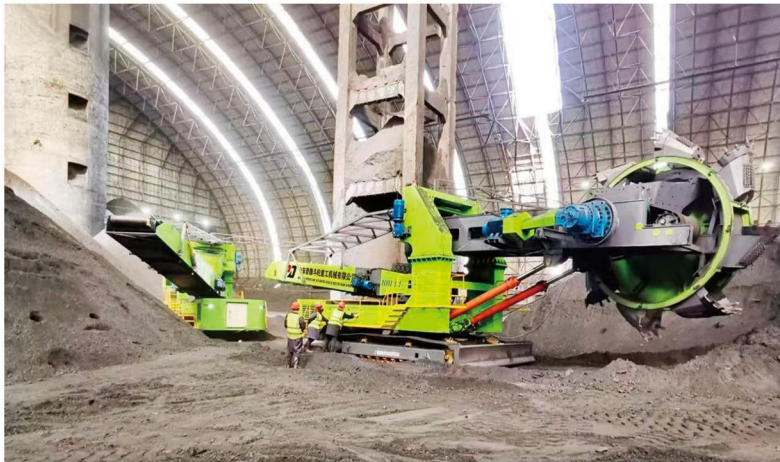


雄安土方现场/XIONGAN EARTHWORK SITE



PRODUCTION SITE 生产现场

山西现场/SHANXI SCENE



斗轮机联合机组/BUCKET WHEEL COMBINED UNIT



雄安土方现场/XIONGAN EARTHWORK SITE



试机现场/TEST SITE

