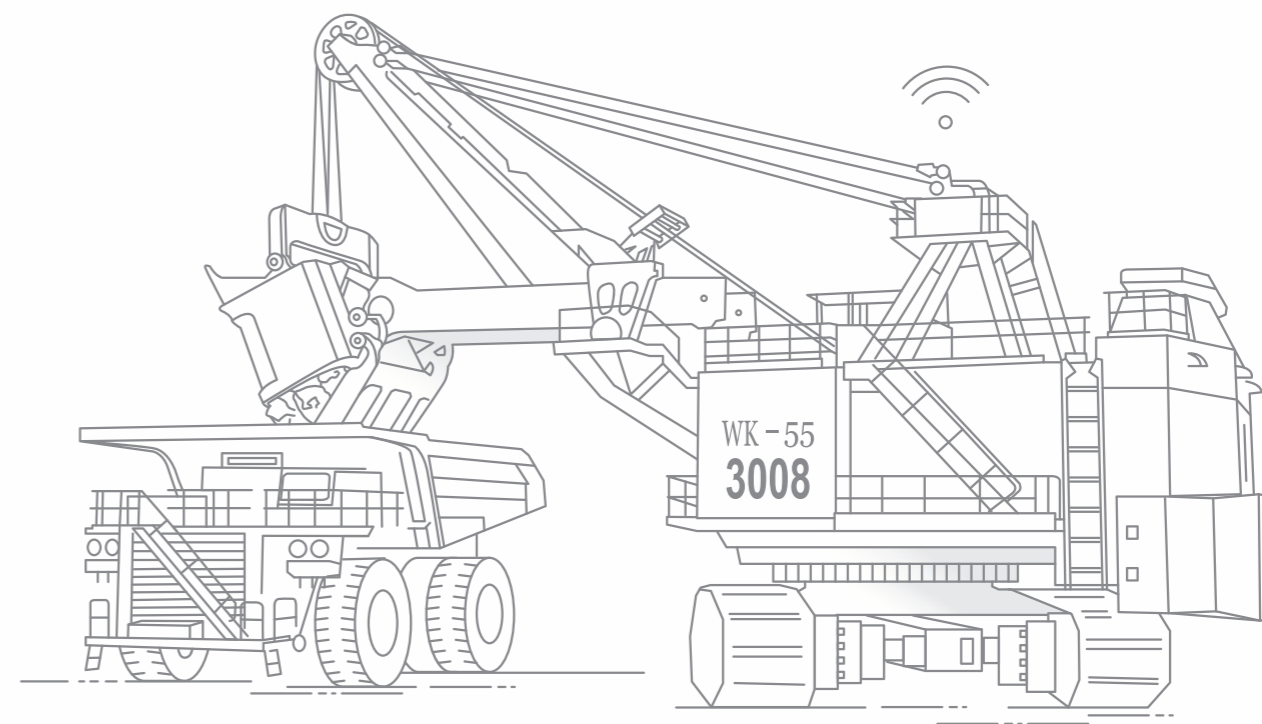


太原重工股份有限公司

TAIYUAN HEAVY INDUSTRY CO., LTD

矿山领域
MINING FIELD



太原重工股份有限公司
TAIYUAN HEAVY INDUSTRY CO., LTD

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官方网站



微信公众号

产品宣传册

2000+ 种
30000+ 台/套

服务国家重点建设项目
2000+ types
30000+ sets
used for China key projects

460+ 项
中国 / 世界第一

460+
National & international No.1s



1950 年

公司成立
Since 1950

493 万^m

公司面积
Total area of 4.93 million
square meters

10000+ 人

在岗员工
10000+ employees

500+ 亿

总资产
Total assets of RMB
50+ billion

INTRODUCTION

集团简介

太原重型机械集团有限公司（简称太重集团），始建于1950年，是新中国自行设计建造的第一座重型机械制造企业。主要成员单位包括太原重工股份有限公司、太原重型机械集团煤机有限公司、太重集团榆次液压工业有限公司等。公司拥有国家级技术中心和国家重点实验室，先后获得国家级发明奖4项、国家级成果奖26项、国家科技进步奖23项，创造了460多项中国和世界第一，为国家的建设、改革和发展做出了重要贡献，被誉为“国民经济的开路先锋”。

作为国内最重要的重型装备研发与制造基地之一，太重集团具有一流的装备制造水平和研发创新能力，是全国“创新型企业20强”之一，主要服务于轨道交通、矿山、冶金、煤炭、新能源、海洋工程、航天等领域，产品涵盖了铁路装备、露天矿和井工矿采掘输送设备、冶金设备、风力发电设备、工程机械、化工装备等，拥有设备成套和工程总承包能力，产品已出口到全球50多个国家和地区。

Taiyuan Heavy Machinery Group Co., Ltd (referred to as “TZCO”), founded in 1950, has been the first self-designed-and-built heavy machinery manufacturer since 1949. It is composed of Taiyuan Heavy Industry Co., Ltd, Taiyuan Heavy Machinery Group Coal Machinery Co., Ltd, Taiyuan Heavy Machinery Group Yuci Hydraulic Industry Co., Ltd etc. It has one nationally recognized technology center and one state key laboratory. In addition to four national prizes for new inventions, 26 national achievement prizes, and 23 national scientific progress prizes, It has made over 460 No.1 technology achievements in china and the world at large. It is known as “Trailbreaker for National Economy” for its important contributions to the national reform and development.

As one of the most important bases of R&D and manufacturing for heavy manufacturing in China. TZCO is one of the “Top 20 Innovative Enterprises” in china, with first-class equipment manufacturing, R&D and innovation capabilities. Its products are widely used in fields like rail transit, mining, metallurgical, coal, new energy, marine engineering, and aerospace. The products include railway equipment, equipment for open pit and underground mining and transportation, metallurgical equipment, wind power equipment, construction machinery and chemical equipment. Capable of providing complete equipment sets and EPC solutions, it has exported products to more than 50 countries and regions.

QUALIFICATIONS AND CERTIFICATIONS

资质认证

精细化 国际化 高端化 智慧化



国家重点实验室
矿山采掘装备及智能制造



- 质量管理体系认证证书
Quality Management System Certification
- 环境管理体系认证证书
Environmental Management System Certification
- 职业健康安全管理体系认证证书
Occupational Health and Safety Management System Certification
- 实验室认可证书
Laboratory Accreditation Certificate
- 建筑企业资质证书
The Construction Enterprise Qualification Certificate
- 国际焊接企业资格认证证书
International Welding Enterprise Qualification Certificate
- 特种设备生产许可证
Special Equipment Production License

EQUIPMENT PROFILE

装备简介

4000+ 台

各类主要生产设备

太重拥有冶炼、铸造、锻造、热处理、焊接、金切加工、产品组装、产品包装、起重运输等各类主要生产设备4000余台。

坚持“质量就是生命”原则，在对标先进的基础上，提高质量意识，强化全面质量管理，推广应用可靠性管理、6σ管理等先进方法，打造太重精品，以质量提升企业核心竞争力。

TZ has more than 4000 sets of main production equipment, such as smelting, casting, forging, heat treatment, welding, metal cutting processing, product assembly, product packaging, lifting and transportation.

Adhere to the “quality is life” principle, on the basis of advanced standards, improve quality awareness, strengthen comprehensive quality and quantity management, promote the application of reliability management, 6σ Management and other advanced methods, to create TZ quality products, to enhance the core competitiveness of the enterprise.



120t LF+VD 钢包精炼炉
120t LF+VD Ladle refining furnace



数控成形磨齿机群
CNC forming gear grinding
machine group



8m立式车床
8m Vertical lathe



8X60m龙门镗铣床
8X60m Gantry boring and
milling machine



125MN自由锻造液压机
125MN Free forging
hydraulic press

Mining Equipment

矿山领域

领航国家资源战略的高效和智慧开采

太重可为露天矿用户提供开采、破碎、运输等成套工艺设备及“一揽子”解决方案。

产品涵盖：挖掘机、矿用自卸车、破碎站、带式输送机、排岩（土）机等。

致力于打造智慧矿山，实现露天开采的无人值守、远程操作以及全生命周期的运维服务。

In addition to complete equipment for mining, crushing and transportation, We also provide solution packages.

Our products cover crusher, dumping plough, excavator, mining truck and belt conveyors.

We are committed to developing intelligent mining, remote operation of open-pit mines and full maintenance services.

5G 智慧矿山

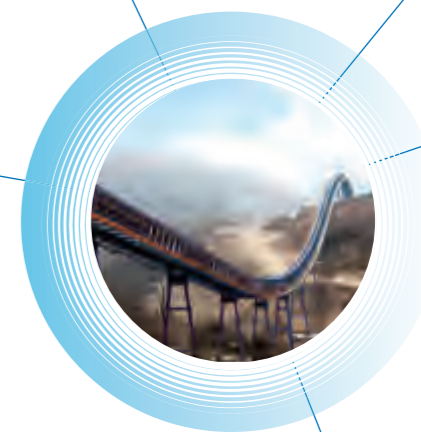
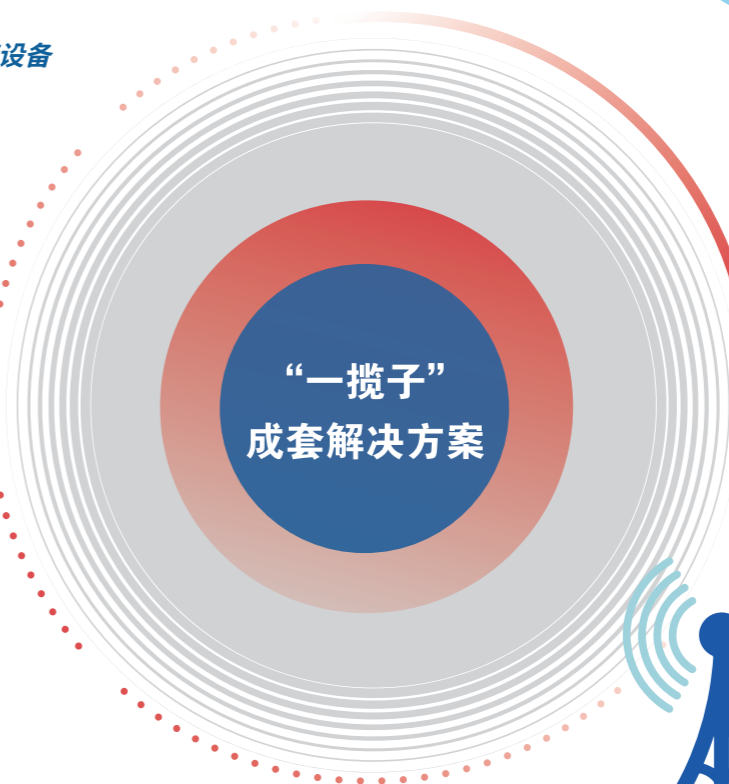
矿用挖掘机无人驾驶、远程操作



露天矿开采成套设备

- 矿用挖掘机
- 液压挖掘机
- 斗轮挖掘机
- 矿用自卸车
- 板式给料机
- 自移式破碎站
- 半移动破碎站
- 带式输送机
- 卸料车
- 排岩（土）机

“一揽子” 成套解决方案



挖掘机 Excavator

挖掘机产品实现大、中、小系列化全覆盖。

矿用挖掘机：斗容4~75立方米挖掘机遍布全球矿山，引领着世界大型挖掘机的发展。

液压挖掘机：自重1.6吨~125吨，斗容0.15~8立方米正进行系列化开发、试制。

Excavator products cover full sizes — large, medium and small series.

The company take a lead in the development of large excavators. and our mining excavator with bucket capacity of 4m³ ~ 75m³ are widely used globally.

We are developing hydraulic excavator series with deadweight of 1.6 tons-125 tons and bucket capacity of 0.15m³ ~ 8m³.



55m³矿用挖掘机 Mining shovel

矿用挖掘机 Mining Shovel

WK系列矿用机械正铲式挖掘机是公司研制的大型露天矿山设备，可适用于大型露天煤矿、铁矿及有色金属矿的剥离和开采作业。

Rope shovels of WK series are large-scale open-pit mining equipment developed by our company. Our products can be applied to stripping and mining of large open-pit coal mine, iron mine and non-ferrous metal mine.

性能特点 Performance Features

- 》》》 交流变频技术，可靠性高，节能降耗。
- 》》》 齿轮齿条推压方式，切入性强，效率高。
- 》》》 回转行走机构采用行星减速机，结构紧凑、免维护、寿命长。
- 》》》 能耗管理系统：针对整机和各机构耗电量以及润滑脂和开式齿轮油的消耗情况，实时就地显示也可远传到控制室，方便管理。
- 》》》 故障自诊断系统：将大量的数据和信息转化成具有价值的健康诊断，并提供操作人员和维护管理团队实时高效的设备健康状况和性能数据。快速定位潜在故障隐患点，减少突发故障，降低设备维修成本，节省维护时间。
- 》》》 AC variable frequency system has advantage of high efficiency and power saving, the AC motor has low failure odds and high availability, its advanced technology represents the trend of speed regulating system.
- 》》》 The rack and pion structure is highly efficient.
- 》》》 Planetary reducer is used to enable compact structure, free maintenance and long service life.
- 》》》 The energy consumption management system—real time data of consumption on power, grease and open gear oil can be transmitted to the control room for convenient management.
- 》》》 Self-diagnosis system analyze numerous data and information and provide diagnosis for operators and maintenance management team. It will help find the potential fault, reduce sudden breakdown, and reduce maintenance cost and save time.

WK系列矿用挖掘机主要技术参数表 Main Technical Parameters of WK Series Shovel

参数 Parameters	单位 Unit	型号 Type	WK-4D	WK-12C	WK-15	WK-20C	WK-27A	WK-35	WK-45	WK-55	WK-75
最大挖掘半径 Max. Digging Radius	m		14.30	18.90	20.10	21.70	23.00	24.30	24.40	24.00	27.20
最大挖掘高度 Max. Digging Height	m		10.10	12.80	14.30	14.30	16.20	18.00	17.40	18.20	19.60
最大卸载半径 Max. Dumping Radius	m		12.65	17.40	18.00	19.60	20.90	22.00	22.00	21.20	24.10
最大卸载高度 Max. Dumping Height-Door Open	m		6.30	7.60	9.30	8.60	9.80	11.10	10.00	10.10	11.20
机棚尾部回转半径 Turning Radius of Rear End	m		5.56	7.35	7.48	9.94	8.94	9.56	9.88	9.88	11.16
额定载荷 Rated Load	t		9	22	27	45	49	65	82	110	135
斗容范围 Bucket Capacity	m ³		4~6	8~14	12~20	16~37	23~46	25~54	31~61	36~76	46~100
最大爬坡角度 Max. Permissible Gradient	°		13	13	13	13	13	13	13	13	13
履带板平均接地比压 (履带板宽度mm) Ground Pressure (crawler shoes width: mm)	kPa		226	253	298	390 (1321) 295 (1778)	380 (1397) 300 (1829)	425 (1397) 330 (1829)	397 (1890) 367 (2050)	415 (1930) 362 (2210)	327 (2600)
工作重量 (履带板宽度mm) Working Weight (crawler shoes width: mm)	t		220	490	630	832 (1321) 845 (1778)	972 (1397) 980 (1829)	1065 (1397) 1080 (1829)	1375 (1890) 1380 (2050)	~1540 (1930) ~1560 (2210)	1988
配套矿用汽车 Matched Mining Car	t		40	80~154	100~154	154~220	154~240	172~326	172~363	220~363	≥220
电气参数 Electric Parameters											
输入电压 Supply Voltage	kV		3~11 (3相50Hz或60Hz)								
应承受的最小短路容量 Minimum Short-circuit Capacity	MVA		6	8	8	16	23	23	25	30	42
供电变压器最小容量 Minimum Capacity of Supply Trans- former	kVA		400	1050	1600	2000	2800	2800	3000	3800	4500
提升电动机额定功率 (690VAC) Rated Power of Hoist Motor	kW		200	2×350	2×440	2×650	2×850	2×850	2×1200	2×1400	2×1800
推压电动机额定功率 (690VAC) Rated Power of Crowd Motor	kW		60	250	220	350	400	500	550	550	900
回转电动机额定功率 (690VAC) Rated Power of Swing Motor	kW		2×65	2×160	2×250	2×260	4×200	2×400	3×450	3×450	3×700
行走电动机额定功率 (690VAC) Rated Power of Propel Motor	kW		55	2×150	2×196	2×450	2×550	2×550	2×700	2×800	2×900

注：工作尺寸以没有均衡梁的标准铲斗为基准
Note: The working size is based on standard bucket without equalizing beam.

矿用正铲式液压挖掘机Hydraulic Excavator

产品概述 Overview

大型矿用液压挖掘机主要用于各种大型露天矿山的采掘和剥离作业。主要型号有：WYD260、WY260、WYD390、WY390、WYD600和WYD800。

Hydraulic excavator is mainly used in large open pit mining for stripping and excavating operations. Main models include WYD260,WY260,WYD390,WY390,WYD600 and WYD800.

性能特点 Performance Features

- »»» 独立的闭式回转回路系统 »»» Independent closed loop system
- »»» 极限功率控制 »»» Limit power control
- »»» 电液比例控制 »»» Electro-hydraulic proportional control
- »»» 自动集中润滑系统 »»» Automatic lubrication system
- »»» 低合金高强度钢板焊接的结构件 »»» Structural parts welded with Low-alloy steels of high strength
- »»» 宽敞舒适的司机室 »»» Spacious and comfortable driver's cab



主要技术参数 Main Technical Parameter

		WYD/WY260	WYD/WY390	WYD600	WYD800
工作重量 Working weight	t	260	389	620	820
标准斗容 Standard bucket capacity	m ³	15	22	32	45
电机/发动机额定输出功率 Rated power of motor/engine	kW	1000/1119	1450/1492	2x1120/-	2x1700/-
接地比压 Ground pressure	kPa	225	250	250	268
尾部回转半径 Rear Swing radius	mm	6410	7000	7800	9075
整机高度 Height	mm	8060	8600	9160	9500
整机宽度 Width	mm	6750	7400	8925	9885
最小离地间隙 Minimum ground clearance	mm	780	880	1000	950
最大挖掘半径 Maximum digging radius	m	13.80	15.20	16.90	17.50
最大挖掘高度 Maximum digging height	m	16.40	16.60	18.70	19.80
最大挖掘深度 Maximum digging depth	m	3.40	3.50	3.70	3.10
最大卸载高度 Maximum dumping height	m	11.50	12.00	14.00	14.60
最大平推距离 Maximum horizontal thrust distance	m	4.25	4.30	5.65	6.40

液压挖掘机 Hydraulic Shovel



产品概述 Overview

适用于矿山开采、基建、市政、农业水利、港口建设等土方或者土石方工况。

It is applied to earthwork like mining, construction, infrastructure, agriculture, irrigation and port construction.

性能特点 Performance Features

》》》 高效、节能

高效：发动机动力强劲，斗容大；节能：主泵和发动机优化匹配，降低油耗。

》》》 操作流畅

高效液压系统，优化的主阀结构、降低动臂、斗杆、铲斗动作及回转启制动冲击，操作流畅、速度快。

》》》 智能化程度高

采用多种合流和优先技术，适合多样化工况和司机操作习惯，提高效率。

》》》 可靠耐用

工作装置采用大截面设计，关键部位使用铸钢件和锻钢件结构，结实耐用。

铲斗采用高强度耐磨钢板，提高15%使用寿命；并对斗型进行优化，保证作业时入土更流畅。

》》》 High Efficiency & Energy-saving

It has powerful motor and large bucket capacity. main pump and motor are well matched to reduce fuel consumption.

》》》 Smooth Operation

High efficient hydraulic system ensures smooth and fast operation through, optimized main valve structure and less impact caused by arm, bucket rod, bucket moving and rotary braking.

》》》 Intelligent Operation

Confluence and priority technologies are applied to improve efficiency and to meet diversified operating situation and operating habits.

》》》 Reliable & Durable

The equipment has large working area. The key parts are strong and wear-resistant using steel casting and forging steels.

The bucket made of wear-resisting steel plate can increase the service life by 15%; the bucket is upgraded to ensure smooth operation.

45-125t 级液压挖掘机 45-125t Series Shovel

主要应用于露天煤矿、金属矿、非金属矿的开采和大型基建。

It is mainly used in open pit, metal ore, non-metal ore mines and large infrastructure.

性能特点 Performance Features

》》》 重载、高效：针对矿山重载工况，采用大功率发动机，提高动力储备和发动机响应性，匹配同吨级大容量岩石铲斗，保证优异的效率输出。

》》》 维修保养：发动机大修时间2000h，整车保养时间500h，长寿命液压油更换时间4000h。

》》》 高温环境适应：独立油散加直驱水散、空冷大功率散热器，可适用50℃以上极端环境温度无极。

》》》 更节能：低速大扭矩发动机主要功率段比油耗低，同时优化功率匹配，确保同吨位挖机单位油耗优势。

》》》 大排量主泵、大通径的流通主阀，压损损失更小，作业速度更快。

》》》 更可靠：重载三段式动臂、关键部位全部采用锻件，加强型上、下车结构件，矿山恶劣工况更适应。

矿山专用四轮一带，双筋加高、加厚履带板，全护型履带护板，矿山作业结实耐用。

》》》 更舒适：空气悬浮座椅，根据驾驶员体重无级调整。

汽车化电子技术、电控系统集成化、智能化空调控制面板、收音机的操控及显示均集成在8寸触摸显示屏上，友好的人机界面，高度的集成化带给驾驶员舒适感、愉悦感。

》》》 工况适应性：衍生出多功能机型，如松土器、抓料机、船挖、拆除机及各种辅具配套。

》》》 Heavy duty and high efficiency: High-power engine is adopted to improve power reserve and engine response. And large capacity rock bucket is equipped to ensure excellent efficiency output.

》》》 Maintenance: Motor overhaul time is 2000h; overall machine maintenance time is 500h; and hydraulic oil replacement time is 4000h.

》》》 Applicable at high temperature environment: independent oil radiator and direct water radiator and high-power air cooling radiator make it work at an environment of above 50℃.

》》》 Energy saving: The low-speed high-torque motor consumes less fuel and the power matching is optimized to ensure less fuel consumption for the shovel of the same tonnage.

》》》 Main pump with large discharge capacity, main valve with large diameter can reduce pressure loss and improve operation speed.

More Reliable:

The heavy-load three-stage arm and the key parts all use forgings, which are more suitable for the harsh working conditions in mines. It is more reliable with four wheels and one belt designed for mining, thickened crawler plate, and full protection plate for crawler.

More comfortable: Air suspension seat, which can be adjusted according to operator's weight. Automotive electronic technology and integrated and intelligent electronic control system are used. Air conditioning control panel, radio control and display are integrated in the 8-inch touch screen, The user-friendly interface brings operators comfort and pleasure.

Adaptability of working conditions: Multifunctional accessory equipment such as soil loosening machine, material grasping machine, offshore digging ship, dismantling machine are developed.

技术参数 Technical Parameters

		200/210主要目标参数 Main Target Parameter	500/550主要目标参数 Main Target Parameter
整机重量 Machine weight	kg	2100-21500	49000-52000
斗容 Dipper Capacity	m ³	0.93/1.1 (标配standard)	2.6-3.2
发动机额定功率 Rated Power of Motor	kW	康明斯CUMMINS QSB7/135	斯堪尼亚SCANIA DC13/294
挖掘半径Max. Max. Digging Radius	mm	9820	11570
挖掘深度Max. Max. Digging Height	mm	6525	7200
斗杆挖掘力 Dipping Rod Digging Force	KN	107	241/259
卸载高度 Max. Max. Dumping Height	mm	6600	7430
挖掘高度Max. Max. Digging Height	mm	9270	10630
尾部回转半径 Rotary Radius of Rear End	mm	2800/2870	4780
铲斗挖掘力 Dipper Digging Force	KN	148	298
回转速度 Rotary Speed	r/min	10.7	8.1
行驶速度 Travelling Speed	Km/h	5.8/3.7	5.7/3.4-5.5/3

矿用自卸车 Mining Truck(Dumper)

产品概述 Descriptions

220吨矿用自卸车由底盘、前后桥连接系统、转向系统、液压控制系统、电气控制系统、车斗等组成。

The 220 ton mining truck is composed of car body, front and rear axle connection system, steering system, hydraulic control system, electrical control system, bucket and so on.



性能特点 Features

动力系统采用交-交传动的电动轮驱动，占用空间小，调速性能好，运行可靠，维修方便，技术先进。

车架采用铸焊组合的结构，可以有效地避免应力集中，延长车架的使用寿命。

前悬挂采用独立悬挂，在通过凹凸不平的路面时，两侧车轮着地面互不影响，对车架上部的人员和设备影响小。

前部平台采用整体式平台，平台刚性好，可以有效保护平台上布置的电线和液压管路，避免平台错位造成损坏。

司机室的设计满足人机工程的要求，配置提供冷气和暖风的空调；司机座椅可以前后，上下调节，旁边配有辅助座椅，为司机作业提供了良好的环境，司机室满足FOPS试验的要求。

The power system employs the electric wheel drive of AC-AC transmission, which takes up little space, has good speed regulation performance, reliable operation, convenient maintenance and advanced technology, and conforms to the development direction of large mining vehicles.

The frame employs casting and welding combination structure, which can effectively avoid stress concentration and prolong the service life of the frame.

The front suspension has independent suspension. When passing the uneven road surface, the wheels on both sides of the ground do not affect each other, causing less impact on the personnel and equipment on the upper part of the frame.

The front platform employs an integral platform with good rigidity, which can effectively protect the wires and hydraulic pipelines arranged on the platform and avoid the damage caused by the platform dislocation.

The design of the driver's cab meets the requirements of ergonomics and is equipped with air conditioning to provide cold air and warm air. The driver's seat can be adjusted front and rear, up and down, and the auxiliary seat is equipped beside, providing a good environment for the driver. The driver's cab to meet the requirements of FOPS test.

技术参数 Specification

内容 Description		技术参数 Value	
额定装载质量 Rated payload		220 t	
整车空载质量 Rated unladen weight		170 t	
最大装载质量 Max. payload		235t	
最大总质量 Max. mass		405t	
货箱标准容积 Volume		平装118m³; 堆装 (2:1 SAE) 148m³	
整车外尺寸形mm Outer dimension	整车长Length	14750	
	车厢宽Carriage Width	7700	
	整车高 Height	6850	
轴距mm Wheel base		6350	
轮距mm Wheel span	前轮 (外侧) Front Wheel(Outer)	7130	
	后轮 (外侧) Rear Wheel(Outer)	7960	
最小离地间隙mm Minimum ground clearance		900	
前轮最大转角 Max. steering angle		36°	
最小转弯半径 (SAE) mm Minimum turning radius		14500	
轴荷分配 Distribution of Axle load	空载 Empty	前轴 Front Axle	50%
		后轴 Rear Axle	50%
	重载 Loaded	前轴 Front Axle	33%
		后轴 Rear Axle	67%
发动机 Engine		厂家/型号 Manufacture/Model	QSK 60 S
		总功率 Total power	1864 kW
最高车速 Max. speed		64 km/h	
轮胎 Tyre		40.00 R57	
轮辋 Rim		29.00/6.0-57	
最大爬坡度 Max. climbing angle		18%	
悬挂系统 Suspension system		独立	
制动系统 Brake system		干式	
电驱动 Electric drive		电驱动轮系统型号 Model of electric drive wheel system	GE240AC
		主发电机型号 Model of main transformer	5GTA41B
		控制器型号 Model of controller	17KG537 (电制动功率electric braking power 2983kw)
		驱动轮型号 Model of driving wheel	5GEB25B
		电阻栅功率 Resistance grid power	
		轮边减速比 Wheel side reduction radio	31.875:1



破碎站 Crushing Station

半连续工艺成套设备中的初级破碎站从移设形式上分为自移式破碎站和半移动式破碎站。设计制造的半移动破碎站用于大型露天金属矿山的矿石及岩石的初级破碎，属于超重型破碎设备。根据配置破碎机的不同形式又分为旋回式半移动破碎站、双齿辊式半移动破碎站及颚式半移动破碎站等。

The primary crushing station in complete set equipment of semi-continuous process can be divided into self-moving crushing station and semi-mobile crushing station. The semi-mobile crushing station, a super heavy crushing equipment, is designed for primary crushing of ores and rocks in large open pit mine. It can also be divided into semi-mobile gyratory crushing station, semi-mobile double roller crushing station and semi-mobile jaw crushing station, etc. based on different forms of crusher it is equipped with.

巡回式半移动破碎站

Semi-Mobile Gyrotory Crushing Station

性能特点 Features

- ▶▶▶▶ 巡回破碎机破碎能力大，生产成本低，满足高破碎效率的要求。
- ▶▶▶▶ 设备适应多种工况下的汽车卸料冲击载荷及破碎机工作动载荷，稳定性好，使用寿命长。
- ▶▶▶▶ 配置有随站起重机及带剪叉式升降平台的维修小车方便对巡回破碎机进行上部及下部机构的维护检修。
- ▶▶▶▶ 液压碎石机用于清除受料仓内的大块堵料，并可有效清理受料仓死角物料及破碎机定锥衬板的快捷更换。
- ▶▶▶▶ 满足低温、高原等特殊工况。
- ▶▶▶▶ 模块化设计，方便运输、安装及移设。

- ▶▶▶▶ It has a huge crushing capacity, low production cost and high efficiency.
- ▶▶▶▶ It can withstand the impact load of the car when unloading the material and the movement of the support platform when the crusher is working. It extends the service life of the equipment and improve the working stability of the entire equipment.
- ▶▶▶▶ It is equipped with a station crane and a maintenance trolley with a scissor lift platform to facilitate the maintenance and repair of the upper and lower parts of the gyrotory crusher.
- ▶▶▶▶ The hydraulic rock crusher is used to remove large blockages in the receiving silo. Besides, it can help effectively clean the dead corner of the receiving silo and replace the fixed cone liner of the crusher.
- ▶▶▶▶ It can be used under special conditions like low temperature or on plateau.
- ▶▶▶▶ Modular design makes it convenient for transportation, installation and relocation.

性能参数 Specification

名称 Description		单位 Unit	性能参数 Specification				
破碎站型号 Model			42-65 型	50-65 型	54-75 型	60-89 型	60-110 型
破碎站处理能力 Capacity		t/h	1500 ~ 2800	2400 ~ 3000	2800 ~ 4200	4000 ~ 6200	5500 ~ 9000
主体钢结构 Main Structure	受料仓有效容积 Working volume of receiving hopper	m ³	100 ~ 130	100 ~ 130	100 ~ 130	230 ~ 300	300 ~ 400
	排料仓有效容积 Working volume of dumping hopper	m ³	130 ~ 160	130 ~ 160	130 ~ 160	250 ~ 300	300 ~ 400
排料胶带机 Dumping conveyor	带宽 Belt Width	mm	1800 ~ 2000	1800 ~ 2000	1800 ~ 2000	2000 ~ 2400	2400 ~ 2800
	带速 Belt Speed	m/s	1.4 ~ 1.8	1.4 ~ 1.8	1.4 ~ 2.1	1.4 ~ 2.1	1.4 ~ 2.5
随站起重机 The station-mounted crane	起重量 Lifting capacity	t	35	40	50	80	120
破碎站外形尺寸 Boundary dimension		mm	13800X13200X14950	13800X13200X16750	13800X13200X17950	18000X16580X21250	18000X16580X25000
破碎站总质量约 Total weight		t	950	1000	1120	1800	2200

注：处理能力是指物料含水量不超过5%，给料粒度级配适当，抗压强度不大于250MPa，物料松散密度1.6t/m³的矿石或岩石的计算值。
 Note: The treatment capacity is calculated given water content of ores or rocks is no more than 5%, feeding particle size is properly graded, compressive strength is no more than 250MPa, and loose density is 1.6t/m³.

排岩(土)机 Spreader

排岩(土)机(含卸料)是我公司研制的大型露天矿连续或半连续开采工艺用系统成套设备之一,位于大型露天矿剥离系统的尾端。通过与同规格的破碎系统和带式输送机系统配合作业,可完成大型露天煤矿、铁矿以及有色金属矿山的表土剥离作业。

Spreader is one of the complete equipment developed by TYHI, which is used for continuous and semi-continuous mining process in large-scale open pit, can stripping the topsoil of large opencast coal mine, iron mine and nonferrous metal mines working with crushing system and belt conveyor system.



PTX(50+50)/1800-18排土机实景图
Reality images Of PTX(50+50)/1800-18 spreader

性能特点 Features

- ▶▶▶▶ 适应高原、低温、重载、冲击、大风、粉尘等复杂多变的工作环境。
- ▶▶▶▶ 大运量、高带速、变倾角输送物料。
- ▶▶▶▶ 高承载、低接地比压履带行走装置。
- ▶▶▶▶ 可靠性高,使用寿命长。
- ▶▶▶▶ 连续运转,节能高效。
- ▶▶▶▶ 自动化程度高,易于维护。

- ▶▶▶▶ Variable working environment such as plateau、low temperature、heavy load、impact、strong wind、dusty.
- ▶▶▶▶ High capacity,high belt speed, and variable angles to convey material.
- ▶▶▶▶ High payload and low ground pressure.
- ▶▶▶▶ High reliability with long life expectancy.
- ▶▶▶▶ Continuous operation and high efficiency.
- ▶▶▶▶ Automatic operation and easy maintenance.

系列排土机主要技术参数 Spreader series specification

参数类别 Description	单位 Unit	性能参数 Specification					
运送能力 Capacity	t/h	3000 ~ 5000	4000 ~ 7500	7500 ~ 10000	10000 ~ 13000	13000 ~ 16000	16000 ~ 20000
受料臂长度 Receiving arm length	m	50	50	50	50	50	50
排料臂长度 Dumping arm length	m	50	50	50	50	50	50
带宽 Belt width	mm	1400	1600	1800	2000	2200	2400
上排高度 Dumping height	m	18	18	18	18	18	18
接地比压 Ground pressure	kPa	≤ 110	≤ 110	≤ 110	≤ 110	≤ 110	≤ 110
行走速度 Propel speed	m/min	0 ~ 9	0 ~ 9	0 ~ 9	0 ~ 9	0 ~ 9	0 ~ 9

注:可根据用户需求定制产品
Note: Customizable due to order



带式输送机 Belt Conveyor

产品概述 Product Description

公司带式输送机品质可靠、型号齐全，获得矿山安全生产许可机型300余个，用户遍及100余家大中型能源企业及30余家化工、建材企业，自主研发的圆管带式输送机实现了节能环保的理念，广泛应用于露天长距离输送。

TYHI belt conveyors are of reliable quality and complete models. There are more than 300 models with mine safety production licenses. The company's users cover more than 100 large and medium-sized energy companies and more than 30 chemical and building materials companies. Its self-developed pipe belt conveyor realizes the concept of energy saving and environmental protection, and is widely used for long-distance transportation in open pit mines.

性能特点 Structural Features

- »»» 结构简单、牢固，结构紧凑、运行平稳、方便维护。
- »»» 驱动方式的多样性，即可多电机集中驱动，也可多点式、驱动。
- »»» 可实现软启动、软制动、功率平衡和输送带张力自动调节等功能。
- »»» 控制保护、安全措施齐全，实现微机集中控制。
- »»» Simple and firm structure, compact size, stable operation and easy maintenance.
- »»» Multiple drive modes including centralized drive and multi-point drive.
- »»» Multiple functions like soft start, soft braking, power balance and strain self-regulation of conveyor belt.
- »»» Centralized control and complete protection and safety measures.

主要参数 Major parameters

名称 Description	单位 Unit	技术参数 Technical Parameters				
运输能力 Conveying capacity	t/h	1500 ~ 2500	2000 ~ 3000	3000 ~ 5000	4000 ~ 7000	6000 ~ 10000
带宽 Belt width	mm	1200	1400	1600	1600	1800
带速 Belt speed	m/s	1.6 ~ 2.5	2.0 ~ 3.15	2.0 ~ 4.0	2.5 ~ 4.5	4.0 ~ 5.6
输送距离 Conveying distance	m	~ 10000				