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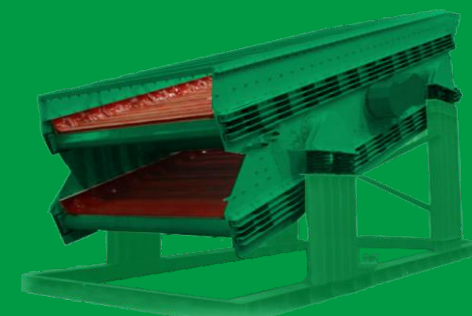
MINING EQUIPMENT 矿用设备

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四川腾宇新创环保设备制造有限公司

TYXC Environmental Protection Equipment Manufacturing Co. Ltd.



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➡ 企业及产品简介

四川腾宇新创是矿山及砂石骨料领域专业环保设备制造商，深耕洗煤、金属矿、非金属矿、砂石等领域，主打筛分、洗选核心设备，同时研发生产破碎、过滤设备及尾矿干排系统，凭先进工艺和定制化解决方案获市场认可，致力成为国内外优质系统供货商。公司已通过质量、环境、职业健康安全管理体系认证，综合实力行业领先。

#核心产品体系

- 以香蕉筛、弛张筛、直线振动筛为核心筛分主打产品；
- 配套全系列洗选设备；
- 品类全、适配多行业工况且性价比高；
- 同步供应矿山破碎相关设备。

★核心筛分设备

弛张筛、高频叠层振动细筛、直线等厚筛、直线振动筛等；

★配套破碎设备

颚式、圆锥、反击式等矿山破碎机；

★成套洗选及系统设备

洗选过滤成套设备、尾矿干排系统等。

#企业核心优势与理念

★经营宗旨

质量第一，用户至上；

★硬实力

拥有现代化生产基地、专业技术团队，严控品控、高效履约；

★服务愿景

聚焦筛分洗选核心需求，为全球客户提供高品质产品与服务，赋能行业绿色发展。

➡ Company & Product Profile

TYXC Co., Ltd. is a professional environmental protection equipment manufacturer focusing on the mining and sand & aggregate industries. With deep roots in coal washing, metal ore, non-metal ore, sand & gravel and other fields, the company specializes in screening and washing equipment, and also researches, develops and manufactures crushing, filtering equipment and tailings dry discharge systems. Recognized by the market for its advanced technology and customized solutions, it is committed to becoming a high-quality system supplier at home and abroad. The company has obtained certifications in quality, environmental, and occupational health and safety management systems, leading the industry in overall strength.

Core Product System

With banana screen, flip-flop screen and linear vibrating screen as the core screening products, matched with a full range of washing equipment, the company offers a complete product portfolio suitable for various working conditions with high cost performance. It also supplies mining crushing equipment, mainly including:

★Core Screening Equipment

Flip-flow screen, high-frequency multi-layer vibrating fine screen, linear equal-thickness screen, linear vibrating screen, etc.

★Supporting Crushing Equipment

Jaw crusher, cone crusher, impact crusher and other mining crushers.

★Complete Washing & System Equipment

Complete washing and filtering equipment, tailings dry discharge system, etc.

Core Strengths & Corporate Philosophy

★Business Tenet

Quality First, Customers Supreme.

★Core Strengths

Modern production base, professional technical team, strict quality control and efficient delivery.

★Service Vision

Focus on the core demands of screening and washing, provide global customers with high-quality products and services, and empower the green development of the industry.

公司资质COMPANY QUALIFICATION



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ZSW Vibrating Feeder

ZSW-喂料机



PRODUCT INTRODUCTION

产品介绍

ZSW振动给料机主要用于粗碎破碎机前连续、均匀给料，同时可筛分细料，使破碎机能力变大。该机广泛应用于冶金、煤矿、选矿、建材、化工、磨料等行业的破碎、筛分联合设备中。

The ZSW vibrating feeder is primarily used for continuous and uniform feeding in front of coarse crushing crushers, and can also screen fine materials to increase the capacity of the crusher. It is widely used in the crushing and screening combined equipment of metallurgy, coal mines, mineral processing, building materials, chemical industry, and other industries.

WORKING PRINCIPLE

工作原理

ZSW系列给料机的给料过程是利用特制的振动电机或两台电动机带动激振器驱动给料槽沿倾斜方向作周期直线往复振动来实现,当给料槽振动的加速度垂直分量大于重力加速度时,槽中的料被抛起,并按照抛物线的轨迹向前跳跃运动,抛起和下落在瞬间完成,由于激振源的连续激振,给料槽连续振动,槽中的煤连续向前跳跃,以达到给料的目的。

The feeding process of the ZSW series feeder is achieved by using a special vibration motor or two electric motors to drive the vibrator to drive the feeding trough to vibrate periodically in a straight line back and forth along the inclined direction. When the vertical component of the vibration acceleration of the feeding trough is greater than the gravitational acceleration, the material in the trough is thrown up and jumps forward in a parabolic trajectory. The throwing and landing are completed in an instant. Due to the continuous vibration of the vibrator, the material in the trough continuously jumps forward to achieve the feeding purpose.

PRODUCT FEATURES

主要特点

- 振动平稳;
- 特殊栅条设计, 可防止物料堵塞;
- 栅条间隙可调。
- 工作可靠、噪声低、耗能小、综合性能好。
- Stable vibration
- Special grating design to prevent material blockage;
- Adjustable grating gap
- Reliable operation, low noise, low energy consumption, and good comprehensive performance.

TECHNICAL PARAMETERS

技术参数

Model 型号	Size of material trough(mm) 料槽尺寸	Maximum feed particle size (mm) 最大进料粒度	production capacity(t/h) 生产能力	Motor Power(kw) 电机功率	Weight(kg) 重量
ZSW380*95	3800*950	500	96-160	11	4082
ZSW490*95	4900*950	500	120-240	15	5004
ZSW490*110	4900*1100	580	120-280	15	5320
ZSW590*110	5900*1100	600	200-350	22	6130
ZSW600*130	6000*1300	750	400-560	22	7800
ZSW600*150	6000*1500	1000	800	30	12110
ZSW600*200	6000*2000	1000	1200	37	18650

*注：产量根据不同物料、进料粒度等因素其结果将有所不同，技术参数如有变动恕不另行通知，设备重量及外形尺寸以实物为准。

*Note: The output varies depending on the type of material, feed size, and other factors. Technical parameters are subject to change without notice. The equipment weight and dimensions are based on the actual product.

GZT Bar Feeder

GZT-棒条喂料机



PRODUCT INTRODUCTION

产品介绍

棒条振动喂料机采用双激振器的结构特点，保证设备能承受大块物料下落的冲击，给料能力大。广泛用于冶金、煤矿、选矿、建材、化工、磨料等行业的破碎、筛分联合设备中。

The bar feeder with a double vibrator structure can withstand the impact of large pieces of material falling and has a large feeding capacity. It is widely used in the crushing and screening combined equipment of metallurgy, coal mines, mineral processing, building materials, chemical industry, and other industries.

WORKING PRINCIPLE

工作原理

槽体振动给料的振动源是激振器，激振器是由两根偏心轴（主、被动）和齿轮副组成，由电动机通过三角带驱动主动轴，再由主动轴上齿轮啮合被动轴转动，主、被动轴同时反向旋转，使槽体振动，使物料连续不断流动，达到输送物料的目的。

The vibration source of the trough vibration feeder is the vibrator. The vibrator consists of two eccentric shafts (main and passive) and a gear pair. The electric motor drives the main shaft through a V-belt, and then the main shaft gear meshes with the passive shaft to rotate. The main and passive shafts rotate in the opposite direction simultaneously, causing the trough to vibrate and the material to flow continuously, achieving the purpose of material transportation.

PRODUCT FEATURES

主要特点

- 该机配置了坚固的具有自扫功能的锯齿形筛条，坚固耐用，不易堵料，调换方便。
- 振动平稳，给料连续、均匀，实现生产线均衡生产。
- 在给料的同时，可预筛分细料，且预筛分有效面积大，预筛性能好，提高破碎效率。
- 工作过程噪音低，有利于改善工作环境。
- 效率高，给料能力大，安装、维修方便，运行费用低。
- The machine is equipped with a sturdy, self-cleaning, serrated screen bar, which is durable, not easy to block, and easy to replace.
- The vibration is stable, and the feeding is continuous and uniform, realizing the balanced production of the production line.
- While feeding, fine materials can be pre-screened, and the pre-screening effective area is large, with good pre-screening performance, improving the crushing efficiency.
- The working process is low in noise, which is conducive to improving the working environment.
- High efficiency, large feeding capacity, easy installation, maintenance, and low operating costs.

TECHNICAL PARAMETERS

技术参数

Model 型号	Feeding surface size (mm) 给料面尺寸	The length of the pre screening section(mm) 预筛部分的长度	Feed size (mm) 给料尺寸	Power (kw) 功率	processing capacity (t/h) 处理能力	Tilt angle 倾斜角度	Frequency 频率
GZT0930	900×3000	1500	400×600×800	11	200	5°	500-900
GZT-1236	1200×3600	1800	500×750×1000	22	300		
GZT1542	1500×4200	2100	600×900×1200	22	400		
GZT1848	1800×4800	2400	700×1050×1400	30	600		
GZT2154	2100×5400	2700	800×1200×1600	37	800		
GZT2160	2100×6000	3000	1000×1200×1600	45	1000		

注：表中所列处理量仅供参考，所涉及的处理量均以振动给料机倾角、筛条间隙、振动频率、物料类型以现场实际情况而定。

*Note: The handling capacity listed in the table is for reference only. The actual capacity depends on the inclination angle of the vibrating feeder, the gap of the screen bars, the vibration frequency, the type of material, and other on-site conditions.

PE Jaw Crusher

PE颞式破碎机



PRODUCT INTRODUCTION

产品介绍

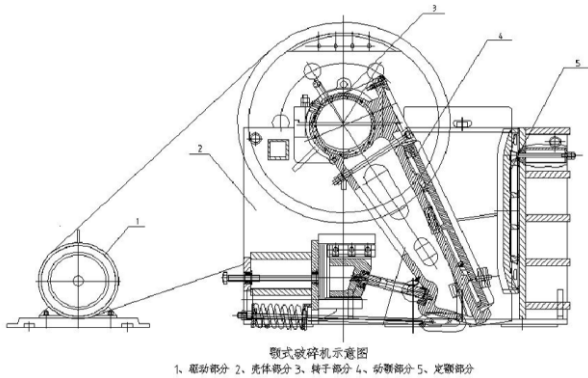
PE颞式破碎机简称颞破是一款出现较早的破碎设备，具有破碎比大、产品粒度均匀、结构简单、工作可靠、维修简便、运营费用经济等特点，被广泛应用于矿山、冶金、建材、公路、水利和化学工业等众多部门，破碎抗压强度不超过320兆帕的各种物料。

The PE jaw crusher, also known as a jaw breaker, is an early type of crushing equipment with a large crushing ratio, uniform product size, simple structure, reliable operation, easy maintenance, and economical operating costs. It is widely used in mines, metallurgy, building materials, highways, water conservancy, and chemical industries to crush various materials with a compressive strength of no more than 320 MPa.

WORKING PRINCIPLE

工作原理

电动机驱动皮带和皮带轮，通过偏心轴使动颞上下运动，当动颞上升时肘板和动颞间夹角变大，从而推动动颞板向定颞板接近，与此同时物料被压碎或碾、搓达到破碎目的；当动颞下行时，肘板与动颞间夹角变小，动颞板在拉杆、弹簧的作用下离开定颞板，此已破碎物料从破碎腔下口排出，随着电动机连续转动而破碎机动颞作周期性的压碎和排泄物料，实现批量生产。



The electric motor drives the belt and pulley, which in turn drives the eccentric shaft to move the movable jaw up and down. When the movable jaw rises, the angle between the elbow plate and the movable jaw increases, pushing the movable jaw plate closer to the fixed jaw plate, thereby crushing or grinding the material to achieve the crushing purpose. When the movable jaw moves downward, the angle between the elbow plate and the movable jaw decreases, and the movable jaw plate moves away from the fixed jaw plate under the action of the pull rod and spring. The crushed material is discharged from the lower outlet of the crushing chamber. With the continuous rotation of the electric motor, the movable jaw of the jaw crusher makes periodic crushing and discharging of the material, realizing batch production.

FEATURES AND ADVANTAGES

特点及优势

- 碎腔深而且无死区，提高了进料能力与产量；
- 其破碎比大，产品粒度均匀；
- 垫片式排料口调整装置，可靠方便，调节范围大，增加了设备的灵活性；
- 润滑系统安全可靠，部件更换方便，保养工作量小；
- 结构简单，工作可靠，运营费用低；
- 设备节能：单机节能15%~30%，系统节能一倍以上；
- 排料口调整范围大，可满足不同用户的要求；
- 噪音低，粉尘少。
- The crushing chamber is deep and has no dead zones, which increases the feeding capacity and output;
- The crushing ratio is large, and the product size is uniform;
- The discharge opening adjustment device with a gasket is reliable and convenient, with a large adjustment range, increasing the flexibility of the equipment;
- The lubrication system is safe and reliable, and the parts are easy to replace, with low maintenance workload;
- Simple structure, reliable operation, and low operating costs;
- The equipment saves energy: a single machine can save 15% to 30%, and the system can save more than one fold;
- The discharge opening adjustment range is large, which can meet the requirements of different users;
- Low noise and less dust.

TECHNICAL PARAMETERS

技术参数

Model 型号	Feeding surface size (mm) 进料口尺寸	Maximum feed particle size (mm) 最大进料粒度	Adjustment range of discharge port (mm) 排料口调整范围	processing capacity (t/h) 处理能力	Eccentric shaft speed (r/min) 偏心轴转速	Power (kw) 功率	weight (t) 重量
PE-150×250	150×250	130	10-40	1-5	300	5.5	0.9
PE-250×400	250×400	210	20-80	5-21	300	15	2.6
PE-400×600	400×600	350	40-100	16-65	275	37	6.5
PE-500×750	500×750	425	50-100	45-100	275	55	10.1
PE-600×900	600×900	500	65-160	90-180	250	75	15.5
PE-750×1060	750×1060	630	80-140	110-320	250	110	28
PE-900×1200	900×1200	750	100-200	180-360	220	185	50
PE-1000×1200	1000×1200	850	192-260	200-420	220	185	51
PE-1200×1500	1200×1500	1020	130-270	400-800	180	220-320	100.9
PE-1300X1600	1300X1600	1200	130-280	500-1200	198	220-400	108
PE-1500×1800	1500×1800	1300	220-350	700-1400	190	280-450	122
PEX-250×1000	250×1000	210	25-60	16-52	330	30	6.5
PEX-250×1200	250×1200	210	25-60	20-60	330	37	7.7
PEX-300×1300	300×1300	250	25-90	20-90	330	55	11

注：表中所列处理量仅供参考，所涉及的处理量均以振动给料机倾角、筛条间隙、振动频率、物料类型以现场实际情况而定。
*Note: The handling capacity listed in the table is for reference only. The actual capacity depends on the inclination angle of the vibrating feeder, the gap of the screen bars, the vibration frequency, the type of material, and other on-site conditions.

Single Cylinder Hydraulic cone crusher

单缸液压圆锥破碎机

PRODUCT INTRODUCTION

产品介绍

GPY系列单缸液压圆锥破碎机是机、电、液技术与物料破碎技术完美结合的高端产品，该设备采用了高强度铸钢机架、合金材料锻造主轴、高精度弧形螺旋齿轮传动结构，结合多种腔型选择和智能化的运行控制系统，使该设备的性能和优势得以完美的体现，可以广泛应用于各类坚硬矿物和岩石的中、细碎作业，其破碎效率高，能够满足客户的各种破碎需求。

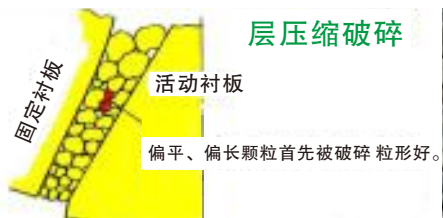
The GPY series single-cylinder hydraulic cone crusher is a high-end product integrating mechanical, electrical, and hydraulic technologies with mineral crushing technology. It uses high-strength cast steel frames, alloy materials for the forged main shaft, high-precision helical spiral gear transmission structures, and combines various chamber options with an intelligent operating control system. This equipment is widely used for medium and fine crushing of various hard minerals and rocks, with high crushing efficiency, fully meeting the various crushing needs of customers.



PERFORMANCE FEATURES

性能特点

- 层压缩破碎带来更高的产量，更大的破碎比，更优的粒形。
- 设备结构及先进的过载保护系统,可确保长期运行，发生故障率较低。
- 正压防尘系统保证润滑系统时刻洁净，在运行时免受灰尘的污染。
- 高精度螺旋弧齿轮传动，运行噪音更低、传动效率更高、经久耐用
- 自动化程度高，操作简单，即使是普通操作工也能很快掌握。
- Layered compression crushing brings higher output, a larger crushing ratio, and better particle shape.
- The equipment structure and advanced overload protection system ensure long-term operation with low failure rates.
- The positive pressure dust-proof system ensures that the lubrication system remains clean and free from dust contamination during operation.
- High-precision helical gear transmission results in lower operating noise, higher transmission efficiency, and durability.
- High degree of automation, simple operation, and easy to master for ordinary operators.



TECHNICAL PARAMETERS

技术参数

Model 型号	Cavity type 腔型	Feeding port size (mm) 给料口尺寸	Minimum discharge port size(mm) 最小排料口尺寸	processing capacity (t/h) 处理能力	Maximum installed power(kw) 最大装机功率	External dimensions (mm) 外形尺寸
GPY-100	S1(超粗)	240	22	85-170	90	1550 × 1575 × 2545
	S2(中粗)	200	19	70-130		1550 × 1575 × 1965
	H1(细)	135	10	45-115		
	H2(中细)	65	8	35-80		
	H3(超细)	35	4	27-60		
GPY-160	S1(超粗)	360	25	120-345	160	1875 × 1920 × 3195
	S2(中粗)	300	22	105-305		
	S3(粗)	235	19	90-275		
	H1(细)	185	13	66-210		1875 × 1920 × 2400
	H2(中细)	90	10	65-165		
	H3(超细)	50	6	48-105		
GPY-250	S1(超粗)	450	35	255-605	250	2100 × 2320 × 4096
	S2(中粗)	400	29	215-515		
	S3(粗)	300	25	190-490		
	H1(细)	215	16	110-395		2100 × 2320 × 2780
	H2(中细)	110	13	115-340		
	H3(超细)	70	8	90-255		
GPY-315	S1(超粗)	560	41	335-1050	315	2380 × 2735 × 4630
	S2(中粗)	500	38	305-895		
	H1(细)	275	16	170-665		
	H2(中细)	135	16	190-505		2380 × 2735 × 3265
	H3(超细)	65	13	205-320		
GPY-450	S1(超粗)	560	54	500-1300	450	2906 × 3187 × 4582
	S2(中粗)	465	51	450-1200		
GPY-560	H1(细)	300	22	430-1515	560	3780 × 2341 × 4531
	H2(中细)	155	19	380-1375		
	H3(超细)	80	10	270-775		
GPY-750	H1(细)	370	25	460-2130	750	3100 × 3623 × 5305
	H2(中细)	195	22	525-1605		
	H3(超细)	85	10	350-885		

*注：产量根据不同物料、进料粒度等因素其结果将有所不同，技术参数如有变动恕不另行通知，设备重量及外形尺寸以实物为准。
*Note: The output varies depending on the type of material, feed size, and other factors. Technical parameters are subject to change without notice. The equipment weight and dimensions are based on the actual product.

HP- multi-cylinder hydraulic crusher

HP-多缸液压破碎机



PRODUCT INTRODUCTION

产品介绍

多缸液压圆锥破碎机，作为一种新型的破碎设备，是一种利用液压技术实现破碎和调整的先进破碎设备。它通过液压系统控制破碎锥体的位置和大小，从而实现破碎腔的快速调整和物料的精确破碎，具有结构简单、操作方便和调节灵活等特点。近年来在矿山、建筑、公路等领域得到了广泛的应用。

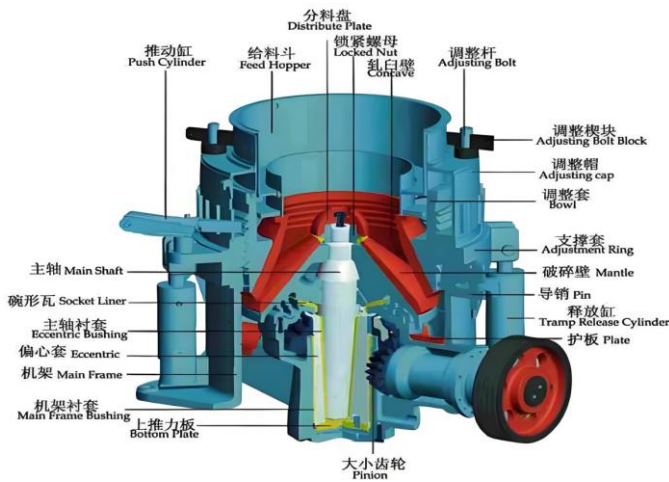
The multi-cylinder hydraulic cone crusher is a new type of crushing equipment that uses hydraulic technology to achieve crushing and adjustment. It controls the position of the crushing cone and the size of the crushing chamber through the hydraulic system, thus achieving precise crushing of the material. It has the characteristics of simple structure, convenient operation, and flexible adjustment. In recent years, it has been widely used in mines, construction, highways, and other fields.

WORKING PRINCIPLE

工作原理

多缸圆锥破碎机是中碎与细碎坚硬物料的一种典型破碎设备。工作时动锥沿着内表面做旋摆运动，靠近定锥的地方，物料受动锥的挤压和弯曲而破碎，偏离动锥的地方，已破碎的物料由于重力作用从锥底下落，整个破碎和卸料过程沿着内表面连续依次进行。锁紧保护油缸部由若干个锁紧保护油缸、过铁保护蓄能器、缓冲蓄能器组及管路组成。锁紧保护油缸主要起过铁保护和清理破碎腔的作用，每两个液压缸配一只缓冲蓄能器，在正常破碎时，用以吸收缓冲时因少数硬料造成的调整环跳动冲击现象。

The multi-cylinder hydraulic cone crusher is a typical crushing equipment for medium and fine crushing of hard materials. During operation, the movable cone rotates and swings along the inner surface. When it is close to the fixed cone, the material is crushed by compression and bending. When it moves away from the fixed cone, the crushed material falls due to gravity. The entire crushing and discharging process is carried out continuously along the inner surface. The lock cylinder section, consisting of several lock cylinders, over-travel protection accumulator, and buffer accumulator group, is used for over-travel protection and cleaning of the crushing chamber. Each hydraulic cylinder is equipped with a buffer accumulator to absorb the impact caused by hard materials during normal crushing, preventing the adjustment ring from jumping.



PRODUCT FEATURES

产品特点

进料与分布 Feeding and distribution	物料从进料口进入破碎机内部，通过进料系统分布到破碎腔内。压碎与破碎：经过多次层压破碎后逐渐变为所需的粒度。 The material enters the crushing chamber from the feed opening and is distributed into the crushing chamber.
液压调节系统 Crushing and crushing	液压系统控制破碎锥体的位置和破碎腔的大小。 The material is gradually crushed to the desired size through multiple layered crushing processes.
密封防尘 Hydraulic adjustment system	设备采用有效的密封装置，防止破碎过程中的粉尘泄漏。 The hydraulic system controls the position of the crushing cone and the size of the crushing chamber.
成品排出 Sealing and dust-proofing	经过破碎后的物料通过排料口排出，形成所需的成品颗粒。 The equipment uses an effective sealing device to prevent dust leakage during the crushing process.
稳定运行与维护 Stable operation and maintenance	结构稳定，零部件设计精良，能够长时间稳定运行。 The structure is stable, and the parts are well designed for long-term stable operation.

TECHNICAL PARAMETERS

技术参数

Model 型号	Chamber size(coarse/fine) 腔体尺寸（粗/细）	Maximum feed size(mm) 最大进料尺寸	Minimum discharge size(mm) 最小排料尺寸	production (t/h) 产量	power (kw) 功率
HP100	C1	140	19	50-140	90
	C2	100	13	50-140	90
	M	70	9	50-140	90
	F1	50	9	50-140	90
	F2	20	6	50-140	90
HP200	C2	185	19	90-250	160
	M	125	16	90-250	160
	F1	95	13	90-250	160
	F2	75	10	90-250	160
	C1	230	25	110-440	250
HP300	C2	210	19	110-440	250
	M	150	16	110-440	250
	F1	105	13	110-440	250
	F2	80	10	110-440	250
	C1	295	30	135-630	315
HP400	C2	251	25	135-631	315
	M	196	20	135-632	315
	F1	110	13	135-633	315
	F2	90	10	135-634	315
	C1	330	38	220-790	400
HP500	C2	290	30	220-790	400
	M	210	22	220-790	400
	F1	135	16	220-790	400
	F2	95	13	220-790	400
	C1	350	38	310-1200	630
HP800	C2	299	32	310-1200	630
	M	265	25	310-1200	630
	F1	220	16	310-1200	630
	F2	150	13	310-1200	630

*注：产量根据不同物料、进料粒度等因素其结果将有所不同，技术参数如有变动恕不另行通知，设备重量及外形尺寸以实物为准。
*Note: The output varies depending on the type of material, feed size, and other factors. Technical parameters are subject to change without notice. The equipment weight and dimensions are based on the actual product.

C-Spring Cone Crusher

C-弹簧破碎机

PRODUCT INTRODUCTION

产品介绍

C-弹簧圆锥破碎机是一种高效的矿山破碎设备，主要用于中等硬度以上的矿石和岩石的细碎作业。它的工作原理基于物料在固定锥和动锥之间被挤压和破碎，直到达到所需的出料粒度。弹簧圆锥破碎机的设计旨在提供高产能、低能耗、操作简便以及破碎产品质量稳定的特点。

The C-spring cone crusher is an efficient mining crushing device, mainly used for fine crushing of minerals and rocks with medium hardness and above. It works by crushing the material between the fixed cone and the movable cone until it reaches the desired particle size. The design aims to provide high capacity, low energy consumption, easy operation, and stable product quality.

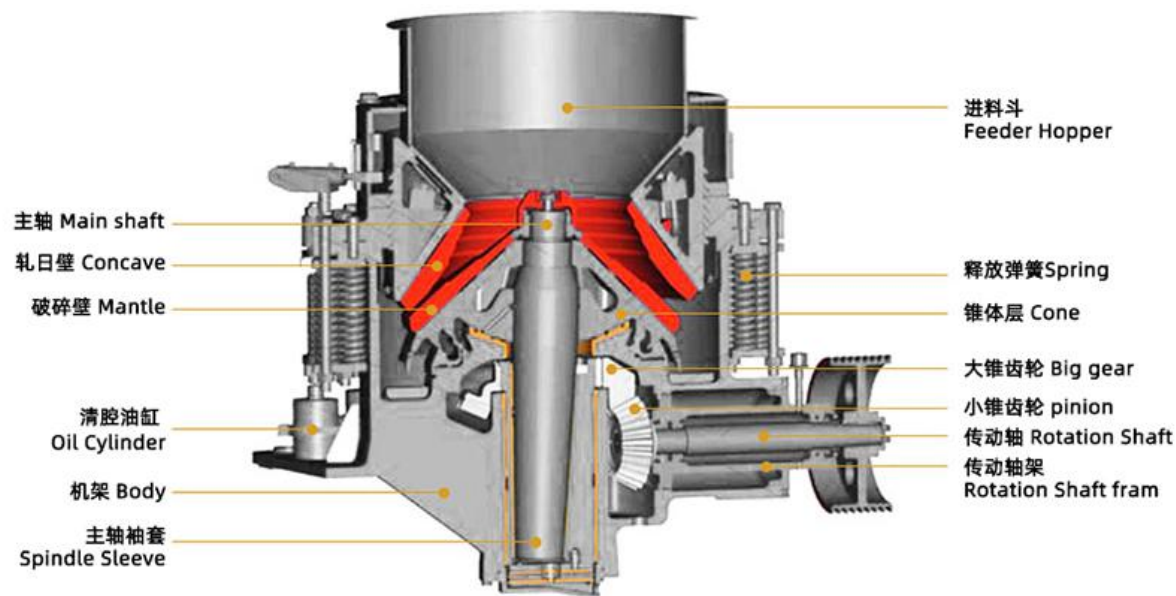


WORKING PRINCIPLE

工作原理

西蒙斯圆锥破碎机工作时，由电动机通过三角带、大带轮、传动轴、小锥齿轮、大锥齿轮带动偏心套旋转，破碎圆锥轴线在偏心轴套的迫动下做旋转摆动，使得破碎壁表面时而靠近又时而离开轧臼壁的表面，从而使物料在定锥与动锥组成的环形破碎腔内不断地受到冲击、挤压和弯曲而破碎。经过多次挤压、冲击和弯曲后，物料破碎至要求粒度，经下部排出。

The working principle of the Symons cone crusher is as follows: The electric motor drives the eccentric sleeve to rotate through the V-belt, pulley, drive shaft, small bevel gear, and large bevel gear. The movable cone axis swings due to the eccentric sleeve's rotation. The crushing chamber is formed between the fixed cone and the movable cone. The material is crushed by compression and bending as the movable cone swings. After multiple stages of crushing, the material is discharged from the lower part of the chamber.



EQUIPMENT FEATURES

设备特点

结构特别、运行花费少 Special structure and low operating costs	机体为铸钢结构，密封性能好； The machine has a cast steel frame with good sealing performance.
自动化程度高 High degree of automation	锥破碎机采用一套外置的包括油泵、油箱、管路的润滑系统；当油温过高或油流速过慢时将自动关闭破碎机。 The cone crusher has an external lubrication system, including an oil pump, oil tank, and piping. The machine will automatically shut down if the oil temperature is too high or the oil flow is too slow.
易于操作维修 Easy to operate and maintain	所有部件均能从上部或侧面拆装，方便定锥和动锥总成的拆卸；液压清腔系统可迅速清理破碎腔，大大减少了停机时间。 All parts can be disassembled from the top or side, making it easy to replace the fixed and movable cone assemblies. The hydraulic cleaning system can quickly clean the crushing chamber, reducing downtime.
生产效率高 High production efficiency	模块化设计，通过更换腔型，即可实现粗、中、细碎的转换，提高生产效率。 The block design allows for easy switching of chambers to achieve coarse, medium, and fine crushing, increasing production efficiency.

TECHNICAL PARAMETERS

技术参数

Model 型号	Cavity type 腔型	Breaking cone large end diameter(mm) 破碎锥大端直径	Adjustment range of ore discharge outlet(mm) 排矿口调整范围	max feed size(mm) 最大给料尺寸	processing capacity(t/h) 处理能力	Motor Power (kw) 电机功率	External dimensions (mm) 外形尺寸
CC75	标准粗型	900(3')	25-38	150	59-163	75	2450×1820×2100
CF75	标准中型	900(3')	13-38	85	45-91	75	2450×1820×2100
CS75	标准细型	900(3')	6-22	35	27-90	75	2450×1820×2100
CC110	标准粗型	1200(4')	15-50	180	110-250	110	2485×2050×2445
CF110	标准中型	1200(4')	10-38	130	80-180	110	2485×2050×2445
CS110	标准细型	1200(4')	10-31	90	63-140	110	2485×2050×2445
CC160	标准粗型	1295(4 1/4')	19-50	205	172-349	132	2885×2320×2855
CF160	标准中型	1295(4 1/4')	16-38	178	132-253	132	2885×2320×2855
CS160	标准细型	1295(4 1/4')	13-31	115	109-181	132	2885×2320×2855
CC220	标准粗型	1400(4 1/2')	30-60	235	210-530	220	3153×2358×2750
CF220	标准中型	1400(4 1/2')	22-45	180	180-475	220	3153×2358×2750
CS220	标准细型	1400(4 1/2')	19-40	100	130-260	220	3153×2358×2750
CC250	标准粗型	1650(5 1/2')	30-60	228	299-635	250	3410×2620×3350
CF250	标准中型	1650(5 1/2')	25-50	205	258-417	250	3410×2620×3350
CS250	标准细型	1650(5 1/2')	20-45	178	181-327	250	3410×2620×3350
CC315	标准粗型	2135(7')	31-64	314	1125-1814	400	4613×3302×4638
CF315	标准中型	2135(7')	25-51	284	862-1424	400	4613×3302×4638
CS315	标准细型	2135(7')	19-38	236	544-1034	400	4613×3302×4638

*注：产量根据不同物料、进料粒度等因素其结果将有所不同，技术参数如有变动恕不另行通知，设备重量及外形尺寸以实物为准。
*Note: The output varies depending on the type of material, feed size, and other factors. Technical parameters are subject to change without notice. The equipment weight and dimensions are based on the actual product.

GY-Roller Press

GY-辊压机



PRODUCT INTRODUCTION

产品介绍

GY-辊压破碎机适用于细碎和超细碎各种矿石或岩石。结构简单,性能可靠,过粉率低。用于制砂行业,可调节机制砂细度模数;用于煤炭行业,物料只需经过出铁除杂后即可进入高压辊磨机生产作业;还可用于选矿、电力、化工、水泥、耐火材料、磨料等工业部门中,细碎各种高、中等硬度的矿石、工业废渣等。

The GY roller press is suitable for fine and superfine crushing of various ores and rocks. It has a simple structure, reliable performance, and low over-powdering rate. It is used in the sand-making industry to adjust the fineness modulus of manufactured sand; in the coal industry, the material only needs to go through iron removal and impurity removal before entering the high-pressure roller mill for production operations. It is also used in the mineral processing, power, chemical, cement, refractory materials, and grinding industries to fine-crush various high and medium hardness ores and industrial waste residues.

WORKING PRINCIPLE

工作原理

主体是两个相向转动的辊子。物料通过进料装置,进入两大小相同,相对转动的高耐磨辊子之间,由辊子将物料拉入辊隙中,将物料压成密实的物料饼,最后破碎成所需粒度经出料斗排出,由下一工序对物料饼作进一步的分散或粉磨。

The main body consists of two rollers rotating towards each other. The material enters the gap between the two rollers of the same size and rotates relatively. The rollers pull the material into the roller gap, press it into a dense material cake, and finally crush it into the desired particle size, which is discharged from the outlet. The next process further disperses or grinds the material cake.

PRODUCT FEATURES

产品特点

液压保护系统

Hydraulic protection system

液压系统使调节辊隙更方便、轻松,同时保护整机的安全；
The hydraulic system makes the adjustment of the roller gap more convenient and easy, while protecting the safety of the entire machine.

高产量、低能耗

High output and low energy consumption

可将粉磨系统的生产率提高20%–30%,综合节能20%以上,经济效益可观；
It can increase the production rate of the grinding system by 20-30%, with a comprehensive energy saving of more than 20%, resulting in significant economic benefits.

占地面积少

Small footprint

结构紧凑,占地面积少,配置灵活,可靠性高；
The structure is compact, with a small footprint, flexible configuration, and high reliability.

辊面的使用寿命

Long service life of the roller surface

采用合金钢镶嵌硬质合金或高锰钢整体铸造辊面，延长辊面的使用寿命；
The roller surface is made of alloy steel with hard alloy inlays or high manganese steel casting, extending the service life of the roller surface.

环保性好

Good environmental protection

配置密封辊罩,可降低粉尘污染,环保性好；
The configuration of the sealing roller cover can reduce dust pollution and is environmentally friendly.

维护成本低

Low maintenance cost

结构简单可靠,零配件更换方便,降低维护成本。
The structure is simple and reliable, with easy replacement of spare parts, reducing maintenance costs.

TECHNICAL PARAMETERS

技术参数

Model 类型	Motor Power (kw) 电机功率	Feed particle size (mm) 进料粒度	Harvest rate within 5mm 5mm以内收成率	Processing Capacity (t/h) 处理能力	Supply Voltage 供电电压
G80X30	2x(75-132)	≤30	50-70%	80-150	380V
G90X60	2x(132-200)	≤35	50-70%	180-300	380V
G120X80	2x(200-250)	≤40	50-70%	260-350	380V
G140X100	2x(250-315)	≤45	50-70%	380-500	380V
G180X150	2x(800-900)	≤60	50-70%	850-1180	6KV/10KV

*注：产量根据不同物料、进料粒度等因素其结果将有所不同，技术参数如有变动恕不另行通知，设备重量及外形尺寸以实物为准。
*Note: The output varies depending on the type of material, feed size, and other factors. Technical parameters are subject to change without notice. The equipment weight and dimensions are based on the actual product.

PF Impact Crusher

PF反击式破碎机



PRODUCT INTRODUCTION

产品介绍

反击式破碎机又叫反击破，主要用于冶金、化工、建材、水电等经常需要搬迁作业的物料加工，特别是用于高速公路、铁路、水电工程等流动性石料的作业，可根据加工原料的种类，规模和成品物料要求的不同采用多种配置形式。

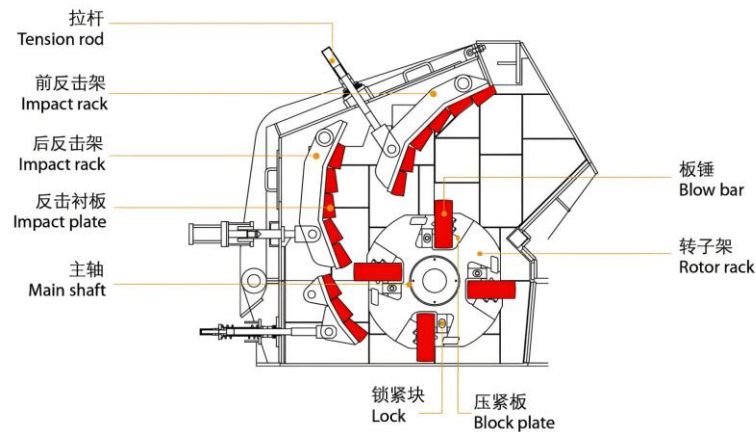
The impact crusher, also known as an impact breaker, is mainly used in metallurgy, chemical industry, building materials, hydropower, and other industries that require frequent relocation operations. It is especially suitable for the processing of stone materials in highways, railways, hydropower projects, and other mobile stone operations. The configuration can be varied according to the type of raw material, scale, and requirements for the final product size.

WORKING PRINCIPLE

工作原理

反击式破碎机是一种利用冲击能来破碎物料的破碎机械。机器工作时，在电动机的带动下，转子高速旋转，物料进入板锤作用区时，与转子上的板锤撞击破碎，后又被抛向反击装置上再次破碎，然后又从反击衬板上弹回到板锤作用区重新破碎，此过程重复进行，物料由大到小进入一、二、三反击腔重复进行破碎，直到物料被破碎至所需粒度，由出口排出。

The impact crusher is a type of crushing machinery that uses impact energy to crush materials. During operation, the rotor rotates at high speed under the drive of the electric motor. When the material enters the hammer action area, it is crushed by the hammer on the rotor. It is then thrown to the impact plate for secondary crushing. After being reflected from the impact liner, it returns to the hammer action area for re-crushing. This process is repeated. The material is continuously crushed from large to small sizes as it passes through the first, second, and third impact chambers until it reaches the desired particle size and is discharged from the outlet.



PRODUCT FEATURES

产品特点

01

多腔均匀破碎，
适宜破碎硬岩；

Multi-chamber uniform
crushing, suitable for hard
rock crushing;

02

均整板结构使排料更呈小
粒径和立方体形，无内裂
纹；
The uniform plate structure
makes the discharge more
small-sized and cubic, with no
internal cracks;

03

低矮的大进料，便于
生产线布置和增大进
料尺寸；
Low and wide feed opening,
convenient for production
line layout and increased
feed size;

04

全液压开启，便千维修
及更换易损件。

Full hydraulic opening,
convenient for maintenance
and replacement of wear
parts.

TECHNICAL PARAMETERS

技术参数

Model 型号	Specifications 规格	Feed Opening(mm) 进料口尺寸	Larger Feed Particle Size (mm) 较大进料粒度	Production Capacity (t/h) 生产能力	Motor Model 电机型号	Motor Power (kw) 电机功率
PF-1007	φ 1000x700	400x730	≤250	15-60	Y250M-6	37
PF-1010	φ 1000x1050	400x1080	≤300	50-90	Y315S-6	75
PF-1210	φ 1250x1050	400x1080	≤300	70-130	Y315L1-6	110
PF-1212	φ 1250x1200	400x1250	≤300	70-140	Y315L2-6	132
PF-1214	φ 1250x1400	400x1430	≤300	90-180	Y315L2-6	132
PF-1315	φ 1300x1500	680x1520	≤350	120-250	Y2-355M2-6	200
PF-1320	φ 1300x2000	680x1570	≤500	160-350	Y2-355M2-6	280
PFV-1010	φ 1000x1050	400x1030	≤200	35-60	Y315S-6	75
PFV-1210	φ 1250x1050	570x1030	≤250	70-140	Y315L1-6	110
PFV-1214	φ 1250x1400	570x1430	≤250	90-190	Y315L2-6	160
PFV-1315	φ 1300x1500	625x1530	≤300	150-280	Y2-355M2-6	200
PFV-1320	φ 1300x2000	990x2030	≤500	250-350	Y2-355M2-6	250
PFV-1520	φ 1500x2000	830x2040	≤700	200-550	Y2-355M2-6	200X2
PFV-1620	φ 1600x2000	830x2040	≤700	300-700	Y2-355M2-6	250X2

*注：产量根据不同物料、进料粒度等因素其结果将有所不同，技术参数如有变动恕不另行通知，设备重量及外形尺寸以实物为准。
*Note: The output varies depending on the type of material, feed size, and other factors. Technical parameters are subject to change without notice. The equipment weight and dimensions are based on the actual product.

VSI Impact Crusher

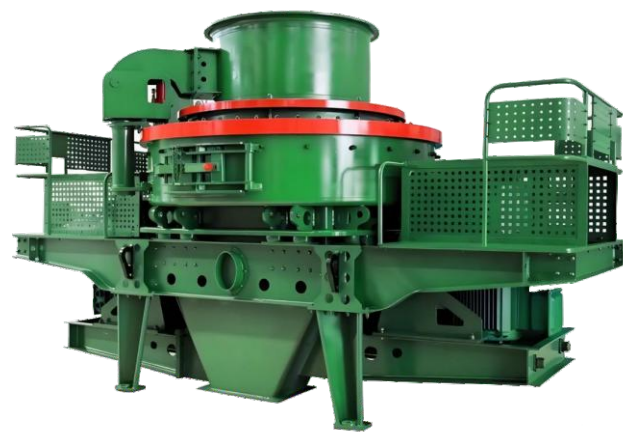
VSI-冲击式破碎机

PRODUCT INTRODUCTION

产品介绍

VSI新一代冲击式制砂机，是目前国内较为精良水平的高性能制砂设备，与同类产品相比，产量更高，产品粒形好，使用成本低，该机专为高速公路、高速铁路、高层建筑、市政、水电大坝建设、混凝土搅拌站提供优质砂石骨料，是人工制砂和石料整形领域的常选设备。

The VSI new generation impact crusher is one of the most advanced domestic-level high-performance sand-making equipment. Compared with similar products, it has higher output, better product particle shape, and lower operating costs. It is the preferred equipment for providing high-quality sand and stone aggregates for highways, high-speed railways, high-rise buildings, municipal water conservancy dams, and concrete mixing stations, and is commonly used in the field of artificial sand-making and stone shaping.

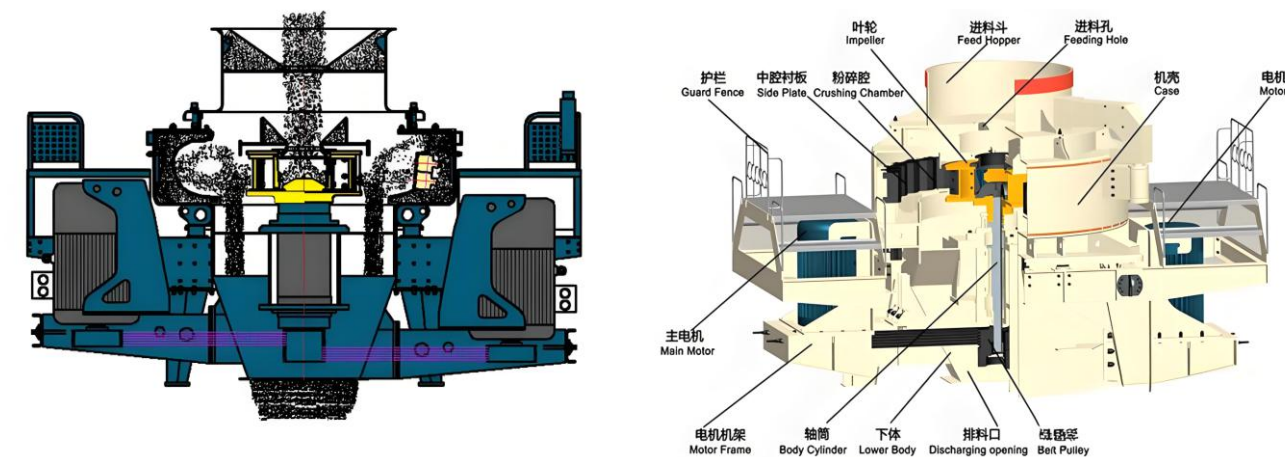


WORKING PRINCIPLE

工作原理

物料进入VSI制砂机料斗，经分料器将物料分成两部分，一部分由分料器中间进入高速旋转的叶轮中，在叶轮内被迅速加速，然后一起冲击到涡支腔内物料衬层上，被物料衬层反弹，斜向上冲击到涡动腔的顶部，又改变其运动方向，偏转向下运动，从叶轮流道发射出来的物料形成连续的物料幕。这样一块物料在涡动破碎腔内受到两次以到多次机率撞击、磨擦和研磨破碎作用。

The material enters the VSI sand-making machine hopper and is divided into two parts by the distributor. One part enters the high-speed rotating impeller through the middle of the distributor. The material is accelerated in the impeller and then impacts the material lining layer in the vortex chamber. After being reflected by the material lining layer, it changes its motion direction, hits the top of the vortex chamber, and then changes its motion direction again to move downward. The material ejected from the impeller channel forms a continuous material curtain. In this way, the material in the vortex crushing chamber is subjected to multiple impacts, friction, and grinding.



PRODUCT FEATURES

产品特点

01

成本投资少 运行可靠、操作方便、效率高节能，制砂成本投入少；
Low investment cost, reliable operation, easy operation, high efficiency, energy saving, and low sand-making cost;

02

破碎成品粒形好 破碎效率高，能量消耗少；
Good particle shape of crushed products, high crushing efficiency, and low energy consumption;

03

操作容易、检修方便 操作使用方便，配备液压开盖装置，省时省力。
Easy to operate and maintain, equipped with hydraulic cover opening device, time-saving and labor-saving.

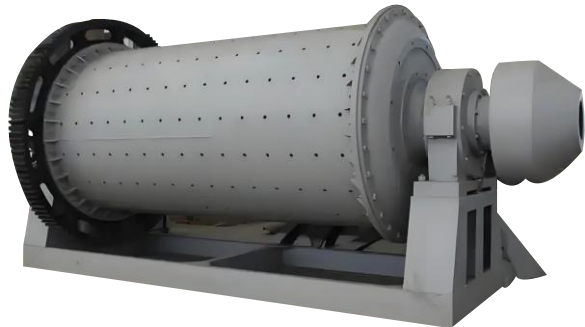
TECHNICAL PARAMETERS

技术参数

型号 Model		VSI-7615	VSI-8522	VSI-9532	VSI-1145	VSI-1263
Processing Capacity (t/h) 处理能力	Waterfall and central feeding 瀑落与中心进料	120-180	200-260	300-380	500-640	454-486
	Whole center feeding 全中心进料	60-90	100-130	150-190	250-360	545-583
Maximum feed size (mm) 最大进料尺寸	Soft material 软料	<35	<40	<45	<50	<60
	Hard material 硬料	<30	<35	<40	<45	<50
rotational speed(r/min) 转速		1700-1890	1520-1690	1360-1510	1100-1310	900-1200
Dual motor power rate(kw) 双电动机功率		75*2	110*2	160*2	220*2	315*2
Maximum external dimensions 最大外形尺寸		3700x2150x2100	4140x2280x2425	4560x2447x2778	5100x2790x3320	5700x2980x4190
power supply 电源		380V;50Hz				
Vibration sensor detection range 振动传感器检测范围		0.1-20mm/s continuously adjustable 0.1-20mm/s连续可调				
Hydraulic lubrication station 液压润滑站	Dual oil pump motor power(kw) 双油泵电动机功率	2 × 0.31				
	Safety protection 安全保护	Dual oil pumps complement each other to ensure oil supply, no oil flow, no oil wave pressure, automatic shutdown, water-cooled cooling, and winter motor heating start 双油泵互补保证供油，无油流，无油波压自动停机，水冷降温，冬季电机加热启动				
	External dimensions (mm) 外形尺寸	820x520x1270				
	Fuel tank heater power (kw) 油箱加热器功率	2				

*注：产量根据不同物料、进料粒度等因素其结果将有所不同，技术参数如有变动恕不另行通知，设备重量及外形尺寸以实物为准。
*Note: The output varies depending on the type of material, feed size, and other factors. Technical parameters are subject to change without notice. The equipment weight and dimensions are based on the actual product.

Overflow Type Ball Mill (MQY)
MQY溢流型球磨机



PRODUCT INTRODUCTION
产品介绍

溢流型球磨机是一种用于湿法研磨矿石或其他物料的设备，广泛应用于选矿、冶金、建筑及化工等行业。

The overflow type ball mill is a device used for wet grinding of ores or other materials and is widely used in the mineral processing, metallurgy, construction, and chemical industries.

WORKING PRINCIPLE
工作原理

- 物料通过给矿器进入筒体，筒体内装有钢球作为磨矿介质；
- 当筒体旋转时，钢球和物料在离心力和摩擦力的作用下被提升到一定高度后落下，对物料进行研磨；
- 磨碎后的矿浆在筒体内形成一定的倾斜度，当矿浆面高度高于排料口内径最低母线时，矿浆通过排料端的中空轴颈溢流排出。
- The material enters the cylinder through the feed device, and the cylinder is equipped with steel balls as grinding media;
- When the cylinder rotates, the steel balls and the material are lifted to a certain height and then fall under the action of centrifugal force and friction, grinding the material;
- The ground pulp forms a certain tilt inside the cylinder. When the pulp level is higher than the lowest generatrix of the discharge port, the pulp overflows and is discharged through the hollow shaft neck at the discharge end.

WORKING PRINCIPLE
产品特点

排矿方式 Discharge method	采用非强迫的高料位排矿，矿料在机内滞留时间长，适合细磨或两段磨矿中的第二段磨矿。 Non-forced high pulp level discharge, the material stays in the machine for a long time, suitable for fine grinding or the second stage of two-stage grinding;
磨矿效率 Grinding efficiency	由于矿料滞留时间长，磨矿效果较好，但处理量相对较低，过磨现象较严重。 Since the material stays in the machine for a long time, the grinding effect is better, but the processing capacity is relatively low, and over-grinding is more severe;
检查与维修 inspection and maintenance	对主轴承的润滑和冷却要求较高，需要定期检查和维护。 High requirements for the lubrication and cooling of the main bearing, regular inspection and maintenance are required.

TECHNICAL PARAMETERS
技术参数

Model 型 号	Discharge Particle Size (r/min) 筒体转速	Effective Volume (m³) 有效容积	Discharge Particle Size (mm) 出料粒径	Capacity (t/h) 产能	Water Tank (slope°) 装球量	Motor 电动机		Weight (≤t) 重量
						Model 型号	Power(kw) 功率	
MQY1224	32.6	2.2	0.3~0.074	2.9~1.35	4.3	JR115-8	55	12.4
MQY1228	32.6	2.5	0.3~0.074	3.4~1.6	4.7	JR115-8	55	13.4
MQY1230	32.6	2.7	0.3~0.074	3.6~1.9	5.2	JR115-8	55	13.9
MQY1530	30.9	4.5	0.3~0.074	5.5~2.8	8.7	JR125-8	95	16.5
MQY1536	30.9	5.4	0.3~0.074	6.6~3.4	10.5	JR125-8	95	17.9
MQY1540	30.9	6.0	0.3~0.074	7.3~3.7	11.8	JR126-8	110	19.0
MQY1545	30.9	6.8	0.3~0.074	8.3~4.1	13.2	JR127-8	130	20.6
MQY1830	23.8	6.8	0.3~0.074	8.6~4.6	13.2	JR127-8	130	30.4
MQY1836	23.8	8.1	0.3~0.074	10.2~5.5	15.8	JR127-8	130	32.4
MQY1840	23.8	9.0	0.3~0.074	11.3~5.6	17.6	JR128-8	155	33.7
MQY1845	23.8	10.0	0.3~0.074	12.6~6.7	19.5	JR136-8	180	35.6
MQY2130	23.6	9.2	0.3~0.074	12.6~5.8	17.0	JR136-8	180	38.7
MQY2136	23.6	11.0	0.3~0.074	15.1~6.8	21.3	JR137-8	210	40.3
MQY2140	23.6	12.4	0.3~0.074	17.0~7.5	24.1	JR138-8	245	41.7
MQY2145	23.6	13.9	0.3~0.074	19.0~8.6	27.3	JR138-8	245	43.0
MQY2150	23.6	15.5	0.3~0.074	21.1~9.5	29.8	JR139-8	280	45.6
MQY2430	22.3	12.2	0.3~0.074	16.6~7.9	23.3	JR139-8	280	46.5
MQY2436	22.3	14.6	0.3~0.074	20.0~9.5	27.8	JR1510-8	320	48.7
MQY2440	22.3	16.2	0.3~0.074	22.1~10.3	30.8	JR1510-8	320	50.3
MQY2445	22.3	18.2	0.3~0.074	24.8~11.8	35.8	JR158-8	380	51.8
MQY2450	22.3	20.3	0.3~0.074	27.6~13.1	38.7	JR158-8	380	53.5
MQY2730	20.6	15.6	0.3~0.074	20.8~10.1	29.3	JR1510-8	320	75.4
MQY2736	20.6	18.8	0.3~0.074	25.5~12.2	35.2	JR158-8	380	79.0
MQY2740	20.6	20.8	0.3~0.074	28.0~13.5	38/8	JR158-8	380	81.4
MQY2745	20.6	23.5	0.3~0.074	32.0~15.5	44.5	JR1510-8	475	85.4
MQY2750	20.6	25.8	0.3~0.074	35.0~17.1	48.6	JR1510-8	475	88.3
MQY2760	20.6	29.9	0.3~0.074	40.5~19.5	54.0	TDM630	630	101
MQY3236	18.5	25.6	0.3~0.074	36.0~16.8	51.3	TDM630	630	123.7
MQY3240	18.5	28.5	0.3~0.074	39.6~19.0	57.0	TDM630	630	136.5
MQY3245	18.5	32.8	0.3~0.074	45.6~21.8	65.8	TDM800	800	143.9
MQY3260	18.5	43.2	0.3~0.074	60.0~35.3	86.0	TDM800	800	150.7
MQY3640	17.3	38.6	0.3~0.074	48.0~23.5	72.0	TDM1000	1000	150.5
MQY3645	17.3	43.2	0.3~0.074	54.0~26.3	81.0	TDM1250	1250	156.8
MQY3660	17.3	56.6	0.3~0.074	74.1~32.4	106.0	TDM1600	1600	182.3
MQY4061	16.4	69.0	0.3~0.074	88.0~46.0	130.0	TDM1800	1800	255.5
MQY4361	15.9	79.0	0.3~0.074	105~56.0	149.0	TDM2000	2000	266.3
MQY4561	15.6	85.0	0.3~0.074	117~62.0	165.0	TDM2200	2200	275.6

Grate Ball Mill

格子型球磨机



PRODUCT INTRODUCTION

产品介绍

格子型球磨机是一种用于湿法磨矿的设备，与溢流型球磨机类似，但其结构和工作方式有所不同。它主要用于选矿、化工、建材等行业，尤其适用于粗磨或一段磨矿。

The grate ball mill is a piece of equipment for wet grinding. Similar to the overflow type ball mill, it differs in structure and working mode. It is mainly used in mineral processing, chemical industry, building materials and other industries, especially suitable for coarse grinding or primary grinding.

WORKING PRINCIPLE

工作原理

- 物料加入：物料通过给矿器进入筒体，与钢球混合；
- 研磨过程：当筒体旋转时，钢球和物料在离心力和摩擦力的作用下被提升到一定高度后落下，对物料进行研磨；
- 强制排矿：磨矿后的矿浆通过格子板的筛孔排出。格子板的筛孔设计使得矿浆能够快速排出，避免在筒体内滞留过久，从而减少过磨现象。
- Material feeding: The material enters the cylinder through the feed device and mixes with the steel balls;
- Grinding process: When the cylinder rotates, the steel balls and the material are lifted to a certain height and then fall under the action of centrifugal force and friction, grinding the material;
- Forced discharge: The ground pulp is discharged through the screen holes of the grate plate. The design of the grate plate allows the pulp to be quickly discharged, reducing the residence time in the cylinder and minimizing over-grinding.

PRODUCT FEATURES

产品特点

强制排矿
Forced discharge

格子球磨机采用强制排矿方式，矿浆在筒体内的滞留时间短，处理量大，适合粗磨；
The grate ball mill uses a forced discharge method, with a short residence time of the pulp in the cylinder, high processing capacity, and is suitable for coarse grinding;

磨矿效率高
High grinding efficiency

由于强制排矿，减少了过磨现象，提高了磨矿效率。
The forced discharge reduces over-grinding, improving grinding efficiency;

结构复杂
Complex structure

格子板的设计使得结构相对复杂，但同时也提高了设备的性能。
The design of the grate plate makes the structure relatively complex but also enhances the performance of the equipment.

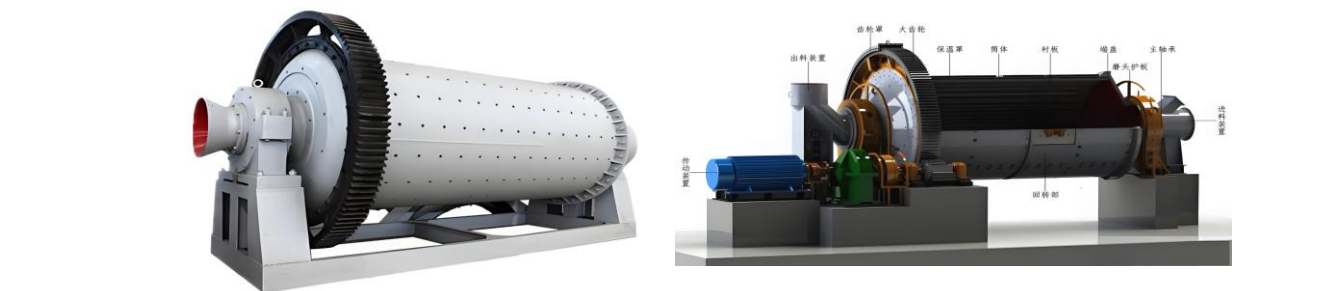
TECHNICAL PARAMETERS

技术参数

Model 型 号	Discharge Particle Size (r/min) 筒体转速	Effective Volume (m³) 有效容积	Discharge Particle Size (mm) 出料粒径	Capacity (t/h) 产能	Water Tank (slope°) 装球量	Motor 电动机		Weight (≤t) 重量
						Model 型 号	Power(kw) 功率	
MQS1224	32.6	2.2	0.3~0.074	3.2~1.5	4.7	JR115-8	55	13.5
MQS1228	32.6	2.5	0.3~0.074	3.7~1.8	5.3	JR115-8	55	14.5
MQS1230	32.6	2.7	0.3~0.074	4.0~2.1	5.8	JR115-8	55	15.2
MQS1530	30.9	4.5	0.3~0.074	6.1~3.1	9.7	JR125-8	95	17.7
MQS1536	30.9	5.4	0.3~0.074	7.3~3.7	11.6	JR125-8	95	19.1
MQS1540	30.9	6.0	0.3~0.074	8.1~4.1	13.0	JR126-8	110	20.2
MQS1545	30.9	6.8	0.3~0.074	9.2~4.6	14.7	JR127-8	130	21.8
MQS1830	23.8	6.8	0.3~0.074	9.5~5.0	14.7	JR127-8	130	31.7
MQS1836	23.8	8.1	0.3~0.074	11.3~6.0	17.5	JR127-8	130	33.7
MQS1840	23.8	9.0	0.3~0.074	12.6~6.2	19.5	JR128-8	155	35.0
MQS1845	23.8	10.0	0.3~0.074	14.0~7.5	21.7	JR136-8	180	36.8
MQS2130	23.6	9.2	0.3~0.074	14.0~6.4	19.8	JR136-8	180	40.7
MQS2136	23.6	11.0	0.3~0.074	16.7~7.6	23.6	JR137-8	210	42.2
MQS2140	23.6	12.4	0.3~0.074	18.8~8.5	26.7	JR138-8	245	47.6
MQS2145	23.6	13.9	0.3~0.074	21.0~9.5	30.0	JR138-8	245	54.1
MQS2150	23.6	15.5	0.3~0.074	23.4~10.6	33.4	JR139-8	280	55.6
MQS2430	22,3	12.2	0.3~0.074	18.5~8.7	25.8	JR139-8	280	48.3
MQS2436	22,3	14.6	0.3~0.074	22.1~10.4	30.9	JR1510-8	320	50.5
MQS2440	22,3	16.2	0.3~0.074	24.5~11.5	34.2	JR1510-8	320	52.1
MQS2445	22,3	18.2	0.3~0.074	27.5~13.0	38.5	JR158-8	380	53.2
MQS2450	22,3	20.3	0.3~0.074	30.6~14.5	43.0	JR158-8	380	54.3
MQS2730	20.6	15.6	0.3~0.074	23.2~11.2	32.5	JR1510-8	320	76.6
MQS2736	20.6	18.8	0.3~0.074	28.0~13.5	39.0	JR158-8	380	80.2
MQS2740	20.6	20.8	0.3~0.074	31.0~15.0	43.0	JR158-8	380	82.6
MQS2745	20.6	23.5	0.3~0.074	35.0~17.0	49.0	JR1510-8	475	86.6
MQS2750	20.6	25.8	0.3~0.074	38.5~18.7	53.5	JR1510-8	475	89.5
MQS2760	20.6	29.9	0.3~0.074	44.6~21.7	59.6	TDM630	630	102.3
MQS3236	18.5	25.6	0.3~0.074	39.6~18.6	56.5	TDM630	630	125.5
MQS3240	18.5	28.5	0.3~0.074	44.0~21.0	63.0	TDM630	630	138.3
MQS3245	18.5	32.8	0.3~0.074	50.6~24.2	72.5	TDM800	800	145.7
MQS3260	18.5	43.2	0.3~0.074	66.5~39.0	95.5	TDM800	800	152.5
MQS3640	17.3	38.6	0.3~0.074	53.0~26.0	78.0	TDM1000	1000	152.7
MQS3645	17.3	43.2	0.3~0.074	59.3~29.0	88.0	TDM1250	1250	159.1
MQS3660	17.3	56.6	0.3~0.074	82.0~38.0	115.0	TDM1600	1600	184.5
MQS4061	16.4	69.0	0.3~0.074	97.0~50.0	145.0	TDM1800	1800	258.5
MQS4361	15.9	79.0	0.3~0.074	115~60.0	165.0	TDM2000	2000	269.8
MQS4561	15.6	87.0	0.3~0.074	130~68.0	178.0	TDM2200	2200	279.6

MB Rod Mills

MB棒磨机



PRODUCT INTRODUCTION

产品介绍

棒磨机由电机通过减速机及周边大齿轮减速传动或由低速同步电机直接通过周边大齿轮减速传动，驱动筒体回转。筒体内装有适当的磨矿介质-钢棒。磨矿介质在离心力和摩擦力的作用下，被提升到一定高度，呈抛落或泄落状态落下。被磨制的物料由给矿口连续的进入筒体内部，被运动的磨矿介质所粉碎，并通过溢流和连续给矿的力量将产品排出机外，以进行下一段工序作业。

当要求产品粒度80%小于2.0至0.5毫米时,一般采用棒磨机,棒磨机的产品粒度,一般最大不超过4.7毫米,最小不小于0.4毫米,棒磨机的给矿粒度为80%小于20毫米至4毫米,给矿粒度最大也可达50毫米。

The rod mill is driven by a motor through a reducer and large gear ring, or directly by a low-speed synchronous motor through a large gear ring. The grinding media - steel rods are installed inside the cylinder. The grinding media are lifted to a certain height and fall in a state of free fall or cascading. The material to be ground enters the cylinder continuously from the feed opening and is crushed by the moving grinding media. The product is then discharged from the mill through overflow and continuous feeding for the next process.

When the required product particle size is 80% less than 2.0% to 0.5 mm, a rod mill is generally used. The maximum product particle size of a rod mill is usually no more than 4.7 mm, and the minimum is not less than 0.4 mm. The feed particle size for a rod mill is 80% less than 20 mm to 4 mm, with the maximum feed particle size reaching up to 50 mm.

WORKING PRINCIPLE

工作原理

棒磨机是异步电动机通过减速器与小齿轮联接，直接带动周边大齿轮减速转动，驱动回转部旋转，筒体内部装有适当的磨矿介质——钢棒，磨矿介质在离心力和摩擦力的作用下，欲磨制的物料由给料部连续地进入筒体内部吗，被运动着的磨矿介质粉碎，并通过溢流和连续给料的力量将产品排出机外，以进行下一段工序处理。

The rod mill is driven by an asynchronous motor through a reducer connected to a small gear, which directly drives the large gear ring to rotate, causing the rotary part to rotate. The grinding media - steel rods are installed inside the cylinder. The material to be ground enters the cylinder continuously from the feed opening and is crushed by the moving grinding media. The product is then discharged from the mill through overflow and continuous feeding for the next process.

TECHNICAL PARAMETERS

技术参数

Model 型 号	Discharge Particle Size (r/min) 筒体转速	Effective Volume (m³) 有效容积	Discharge Particle Size (mm) 出料粒径	Capacity (t/h) 产能	Water Tank (slope°) 装球量	Motor 电动机		Weight (±t) 重量
						Model 型 号	Power(kw) 功率	
Mb0924	35.4	1.2	0.3-0.074	2.9-1.35	3.1	Y225M-8	22	5.9
MB1224	27.5	2.2	0.3-0.074	3.2-1.8	5.8	Y250M-8	30	13.1
MB1530	24.9	4.5	0.3-0.074	6.0-2.8	11.5	JR125-8	95	19.3
MB1830	23.8	6.8	0.3-0.074	8.6-4.6	13.2	JR127-8	130	34.5
MB2130	23.6	9.2	0.3-0.074	12.6-5.8	23.5	JR136-8	180	43.0
MB2136	23.6	11.0	0.3-0.074	15.1-7.0	28.2	JR127-8	210	45.0
MB2430	22.3	12.2	0.3-0.074	16.6-7.9	33.5	JR139-8	280	46.5
MB2736	20.6	18.4	0.3-0.074	25-11.5	47.0	JR158-8	380	79.0
MB3245	18.5	32.8	0.3-0.074	44-21.0	50.0	TDM630	630	110.0
Mb3645	17.3	40.8	0.3-0.074	72-33.0	110.0	TDM1250	1250	156.8

TX-CZ-Sagging Screens

TX-CZ-弛张筛



PRODUCT INTRODUCTION

产品介绍

弛张筛选是专门针对粘性较大、水分较高，而且是细、粘、湿性物料的专业筛选设备。弛张筛可有效的使湿粘物料层松散、分层和透筛，广泛应用于煤炭、电力、煤化工、冶金、建材等行业。

The sagging screen is a professional screening device specifically designed for sticky, high-moisture, and fine, sticky, and wet materials. It can effectively loosen, stratify, and screen wet and sticky material layers, widely used in the coal, power, coal chemical, metallurgy, building materials, and other industries.

PRODUCT ADVANTAGES

产品优势

- 1.采用双质体亚共振原理，振动频率为每分钟800次，分级粒度可小到1mm。

2.浮动筛框振幅可调，振动强度在10-50g范围内可调，筛分难筛物料，不容易堵塞。

3.设备运行可靠性高，日常维护量少，利用率高。

4.筛分机座落在中空的橡胶弹簧上，减振效果好，产生的噪音小，而且橡胶弹簧寿命长。

5.采用一次成型的聚氨酯弹性体筛板，使用寿命长。
1. Utilizing the dual-mass sub-resonance principle, the vibration frequency is up to 800 times per minute, and the grading particle size can be as small as 1 mm.

2. The floating screen frame has an adjustable amplitude, and the vibration intensity can be adjusted within the range of 10-50g, making it suitable for screening difficult materials and preventing blockage.

3. The equipment has high operational reliability, low daily maintenance requirements, and high utilization rate.

4. The screen is mounted on a hollow rubber spring, which provides excellent vibration isolation, low noise levels, and a long service life for the rubber spring.

5.High-quality polyurethane elastic screen panels are used, which have a long service life.

TECHNICAL PARAMETERS

技术参数

Model 型 号	Single Layer Area (m²) 单层面积	Number Of Layers 层数	Inclination (°) 倾角	Particle Size (mm) 粒度	Moisture Content (%) 水份	Power (kw) 功率	Capacity (t/h) 产能
TX-CZ-1350	6.5	1/2	16-25	3-20	≤15	18.5/37	35-70
TX-CZ-1650	8	1/2	16-25	3-25	≤15	22/45	50-90
TX-CZ-1860	9.5	1/2	16-25	3-25	≤15	22/45	50-105
TX-CZ-2060	11	1/2	16-25	3-30	≤15	22/45	65-120
TX-CZ-2070	14	1/2	16-25	3-30	≤15	30/55	80-150
TX-CZ-2460	15.5	1/2	16-25	3-35	≤15	30/55	120-170
TX-CZ-2480	19	1/2	16-25	3-35	≤15	30/55	125-200
TX-CZ-2770	19	1/2	16-25	3-42	≤15	30/55	130-240
TX-CZ-2870	24	1/2	16-25	3-42	≤15	30/55	150-260
TX-CZ-3090	27	1/2	16-25	3-50	≤15	30/74	183-300
TX-CZ-30110	33	1/2	16-25	3-50	≤15	30/55	200-360

TX-XYK-Circular Vibrating Screens

TX-XYK稀油圆形振动筛



PRODUCT INTRODUCTION

产品介绍

XYK系列圆振动筛是我公司吸收国内技术制造的高效振动筛。适宜采石场筛分砂石料，也可供选煤、选矿、建材、电力及化工等行业作产品分级用。

The XYK series circular vibrating screens are efficient vibrating screens manufactured by our company, absorbing domestic technology. They are suitable for grading sand and gravel in quarries and can also be used for product grading in coal washing, mineral processing, building materials, power, and chemical industries.

FEATURES AND ADVANTAGES

特点及优势

- 1、采用稀油润滑激振器，偏心块调整拆卸方便，接触式和轴向迷宫式密封兼用，密封性能好；上方设置了注油孔，保证轴承润滑良好，不漏油；
 - 2、结构简单、安装维修方便，使用寿命长等优点；
 - 3、运行平稳可靠、调节灵活、维修量小等特点。
 - 4、筛子横梁与筛箱采用高强度螺栓联接，无焊接。
 - 5、采用轮胎或万向联轴器，柔性连接，运转平稳。
1. Uses dilute oil-lubricated vibrator with convenient adjustment and disassembly of eccentric blocks. It combines contact and axial labyrinth seals, ensuring good sealing performance. The upper part is equipped with an oil injection hole to ensure good lubrication of the bearings and prevent oil leakage.
 2. The structure is simple, easy to install and maintain, and has a long service life.
 3. The screen operates smoothly and reliably, is easy to adjust, and requires little maintenance.
 4. The screen beams are connected to the screen box with high-strength bolts, without welding.
 5. Uses tire or universal joint couplings for flexible connection and smooth operation.

TECHNICAL PARAMETERS

技术参数

Model 型号	Feed Particle Size (mm) 入料粒度	Area (m²) 面积	Number Of Layers 层数	Inclination (°) 倾角	Amplitude (mm) 振幅	Capacity (t/h) 处理能力	Power (kw) 功率
TY-XYK-1548	≤200	7.2	1/2/3/4	15-30	8-10	25-220	15/18.5
TY-XYK-1854	≤200	9.72	1/2/3/4	15-30	8-10	32-310	18.5/22
TY-XYK-1860	≤200	10.8	1/2/3/4	15-30	8-10	50-340	18.5/22
TY-XYK-2160	≤200	12.6	1/2/3/4	15-30	8-10	120-450	22/30/37
TY-XYK-2170	≤200	12.7	1/2/3/4	15-30	8-10	80-600	30/37
TY-XYK-2460	≤200	14.4	1/2/3	15-30	8-10	80-650	22/37/45
TY-XYK-2470	≤200	16.8	1/2/3	15-30	8-10	100-700	37/45
TY-XYK-2860	≤200	16.8	1/2	15-30	8-10	150-750	37/45/55
TY-XYK-3060	≤200	18	1/2	15-30	8-10	200-750	37/45
TY-XYK-3075	≤200	21.6	2/3	15-30	8-10	600-800	37/74
TY-XYK-3180	≤200	24.8	1/2	15-30	8-10	600-1000	60/74
TY-XYK-3680	≤200	24.8	1/2	15-30	8-10	600-1500	74/90

TXG-High Frequency Linear Vibrating Dewatering Screens

TXG-高频直线振动脱水筛



PRODUCT INTRODUCTION

产品介绍

尾矿脱水筛，广泛应用于煤炭、冶金、电力、建材等行业，对中细粒级物料进行干湿式分级或脱水、脱泥、脱介等。

The tailings dewatering screen is widely used in the coal, metallurgy, power, building materials, and other industries for dry and wet grading or de-watering, de-sliming, de-intermediation, etc., of fine and medium-sized particles.

FEATURES AND ADVANTAGES

特点及优势

01

采用激振电机作为激振力，激振力强；
The vibrator uses an excitation motor as the excitation force, providing strong excitation.

02

筛子横梁与筛箱采用高强度螺栓联接，无焊接；
The screen beam is connected to the screen box with high-strength bolts, eliminating welding.

03

筛机结构简单，维修方便快捷；
The screen structure is simple, easy to maintain, and has a long service life.

04

筛分效率高、处理量大、寿命长。
The screen has high screening efficiency, large processing capacity, and a long service life.

TECHNICAL PARAMETERS

技术参数

Model 型号	High frequency screen size (mm) 高频筛尺寸	Sieve size (mm) 筛孔尺寸	Yield (m³/h) 产量	Sieve plate 筛板	Power (KW) 功率
TXG-1430	1400*3000	0-0.3	10-15	不锈钢/聚氨酯 Stainless steel/ polyurethane	2x3
TXG-1437	1400*3750	0-0.3	12-20		2x3.7
TXG-1530	1500*3000	0-0.3	12-20		2x3.7
TXG-1836	1800*3000	0-0.3	15-25		2x3.7
TXG-1837	1800*3750	0-0.3	18-25		2x4.5
TXG-1848	1800*4500	0-0.3	20-30		2x5.5
TXG-2045	2000*4500	0-0.3	25-45		2x7.5
TXG-2445	2400*4500	0-0.3	35-50		2x15

【注】振动频率1405次/min为国产电振动器，1500次/min为进口电振动器。

Note: The vibration frequency of 1405 times/min is for domestic electric vibrators, and 1500 times/min is for imported electric vibrators.

TXZD-Linear Banana Screens

TXZD-直线香蕉筛



PRODUCT INTRODUCTION

产品介绍

直线等厚筛是综合了国内先进技术，并结合国内的实际情况而设计的，该等厚筛运动轨迹为直线。筛面向断面成折线形式，从而保证入料端各处筛面的上物料厚度几乎一致，促使筛份效率显著提高，对中、细颗粒的煤分级效果更佳，处理量与同规格的一般惯性振动筛相比可提高1-2倍。

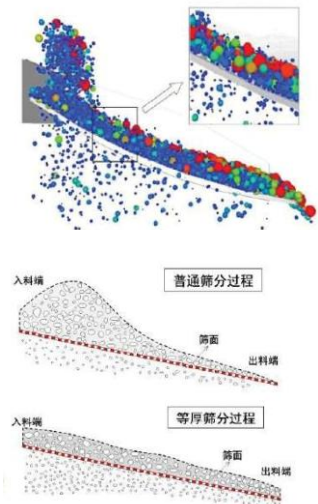
The linear thickening screen is a combination of domestic advanced technology and the actual situation in China. The movement trajectory of the screen is linear. The screen surface is designed in a zigzag form, ensuring that the thickness of the material on the screen surface at the feed end is almost uniform, significantly improving the screening efficiency. It is particularly effective for grading fine and medium-sized particles of coal. Compared with the same specification of general inertial vibrating screens, the capacity can be increased by 1-2 times.

WORKING PRINCIPLE

工作原理

直线运动等厚分选筛的运动是由电机通过弹性联轴器驱动具有偏心质量的激振器，该激振器能使筛床作周期性的直线振动。使筛面上的物料层松散并离开筛面被抛起，使细级物料能透过料层下落，通过筛孔分离，并将卡在筛孔中的物料振出，细级物料向下部移动，通过筛网排除。还能使物料作向前运动，达到排料目的。

The linear motion of the equal-thickness sorting screen is driven by a motor through an elastic coupling to drive a vibrator with eccentric mass. This vibrator can make the screen bed vibrate periodically in a linear motion. This motion loosens the material layer on the screen surface, causing it to leave the screen surface and be thrown up, allowing fine-grade material to pass through the material layer and fall through the screen holes for separation. It also vibrates out the material stuck in the screen holes. Fine-grade material moves downward and is discharged through the screen. Additionally, it enables the material to move forward, achieving the discharge purpose.



FEATURES AND ADVANTAGES

特点及优势

- 1、筛机采用多段筛面，技术先进，处理能量大，筛分效率高。

2、筛机采用箱式(块偏心式)激振器激振，轴承承载能力大，使用寿命长。

3、筛机采用环槽铆钉或高强度螺栓连接，结构简单、紧凑、牢固、维护检修方便。

4、该系列振动筛采用橡胶复合弹簧减震，过共振区运转平稳，噪声小。

- 5、激振器中轴承采用进口SKF/FAG轴承大游隙轴承，采用特殊配合，轴承寿命成倍提高，减少了激振器维护工作量。

6、筛面固定方式采用纵向固定，方便安装与维护。

7、模块化部件设计，通用化程度高。

8、采用特殊密封技术，使横梁法兰与侧板之间联接紧密，无缝隙，产品结构、可靠性高。

9、处理能力大，效率高在同等条件下，香蕉筛可比其它类型的筛机处理能力高40%~60%，效率在90%以上，是大型选煤厂、洗煤厂、选矿厂、洗砂厂首选大型振动筛，是国外引进大型圆形振动筛的理想替代产品。

1. The screen uses multi-section screen surfaces, advanced technology, large processing capacity, and high screening efficiency.

2. The screen uses a box-type (block eccentric) vibrator for vibration, with bearings that have a large load capacity and long service life.

3. The screen uses rivets or high-strength bolts for connection, with a simple, compact, and robust structure that is easy to maintain and inspect.

4. The series of vibrating screens use rubber composite springs for vibration isolation, ensuring stable operation through resonance zones and low noise levels.

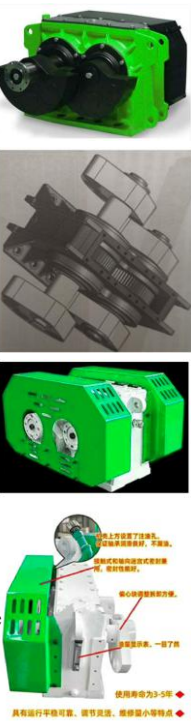
5. The bearings in the vibrator use imported SKF/FAG bearings with large clearance, special fit, and extended service life, reducing the maintenance workload of the vibrator.

6. The screen surface is fixed longitudinally, making installation and maintenance convenient.

7. The modular design of the components ensures a high degree of interchangeability.

8. The special sealing technology ensures a tight connection between the beam flange and the side plate, with no gaps, ensuring the structure and reliability of the product.

9. The capacity is large, and the efficiency is high. Compared with other types of screens, the banana screen can increase the processing capacity by 40% to 60%, with an efficiency of over 90%. It is the preferred large-scale vibrating screen for large coal preparation plants, washing coal plants, mineral processing plants, and sand washing plants and is the ideal replacement for large circular vibrating screens imported from abroad.s, and sand washing plants and is an ideal replacement for imported large circular vibrating screens.



TECHNICAL PARAMETERS

技术参数

Model 型号	Screen Surface Area (m²) 筛面面积	Feed Particle Size (mm) 给料粒度	Capacity (t/h) 处理量	Screen Inclination (°) 筛面倾角	Screen Hole Size (mm) 筛孔尺寸	Dual Amplitude (mm) 双振幅	Voltage (V) 电压	Power (kw) 功率
TXZD-1848	8.64	≤300	30-160	5°-25°	0.25-50	6-12	380	15
TXZD-1861	10.98		40-200					18.5
TXZD-2448	11.52		50-250					30
TXZD-2461	14.64		50-350					37
TXZD-2473	17.52		60-450					37
TXZD-2496	23.04		80-550					45
TXZD-3061	18.3		200-650					45
TXZD-3073	21.9		200-800					45
TXZD-3085	25.5		240-1100					55
TXZD-3661	21.96		230-1200					55
TXZD-3673	26.28		230-1200					
TXZD-3685	30.6		250-1300					55
TXZD-4361	26.23		220-1200					75
TXZD-4373	31.39		300-1500					75
TXZD-4390	38.7		350-1600					75
TXZD-4973	35.77		450-2000					75
TX2ZD-2461	29.28	≤300	120-300	5°-25°	1-50	6-12	380	55
TX2ZD-3061	36.6		180-530					55
TX2ZD-3073	43.8		200-650					75
TX2ZD-3661	43.92		400-1850					75
TX2ZD-3673	52.56		420-1900					90
TX2ZD-4385	36.55		550-2200					90

TX-ZKX-Box-Type Thin Oil Linear Vibrating Screens

TX-ZKX箱式稀油直线振动筛



PRODUCT INTRODUCTION

产品介绍

TX-ZKX型同步直线振动筛适用于煤炭、矿山、砂石等类似比重的矿物中物料中细粒度的脱水、脱泥、脱介和分级等作业。

The TX-ZKX type synchronous linear vibrating screen is suitable for fine grading, dewatering, desliming, and de-intermediation of materials with similar specific gravity to coal, minerals, and sandstone.

WORKING PRINCIPLE

工作原理

振动筛的筛箱呈水平状态，又四组减振弹簧支撑，并在由一对齿轮啮合使两组质量相等的偏心块强迫同步的振动器的驱动下，沿振动方向角方向做往复直线轨迹的振动。物料在振动的筛面上做跳跃抛掷，不断向前运动，完成粒度分级和脱水、脱介作业。

The screen box of the vibrating screen is in a horizontal state, supported by four sets of vibration-isolating springs, and driven by a pair of meshing gears to make two sets of equal mass eccentric blocks vibrate synchronously. The screen box vibrates back and forth along the vibration direction angle, causing the material on the vibrating screen surface to jump and throw, continuously moving forward to complete grading and de-watering, de-medium operations.

FEATURES AND ADVANTAGES

特点及优势

01

采用世界先进水平箱式振动器，稀油飞溅润滑、箱体内置润滑油道，保证轴承充分润滑，轴承为振动设备专用进口SKF/FAG/NSK轴承，放油螺塞带磁性，外置式有机塑料透明油标，可很方便的观察油位，采用特殊措施保证轴承和齿轮舒服工作，振动器噪声低于75分贝，轴承温度小于55度。

Utilizes the world's advanced box-type vibrator, with thin oil splash lubrication and built-in lubricating oil channels in the box to ensure sufficient lubrication of the bearings. The bearings are special imported SKF/FAG/NSK bearings for vibration equipment. The oil drain plug has a magnetic strip, and the external organic plastic transparent oil level indicator allows easy observation of the oil level. Special measures are taken to ensure the comfortable operation of bearings and gears. The vibrator noise is below 75 decibels, and the bearing temperature is less than 55 degrees.



02

箱体式结构保证传动系统的精度
The box-type structure ensures the precision of the transmission system.



03

处理量大，筛分效率高，节省占地面积、节省投资等特点。
Large processing capacity, high screening efficiency, space-saving, and cost-saving.



04

结构先进，使用可靠，稀油维护方便。
Advanced structure, reliable use, and convenient thin oil maintenance.



TECHNICAL PARAMETERS

技术参数

Model 型号	Screen Area (m ²) 筛网面积	Feed article Size (mm) 入料粒度	Screen inclination Angle(°) 筛面倾角	Vibration Frequency (hz) 振动频率	Sieve size (mm) 筛孔尺寸	Capacity (t/h) 处理能力	Power (kw) 功率
TX-ZKX-18-61	19.98	≤100	0-8	15	0.25-25	19-152	18.5
TX-ZKX-24-48	11.52					50-200	22
TX-ZKX-24-52	12.6					50-220	22
TX-ZKX-24-60	14.4					60-250	22
TX-ZKX-24-75	18					80-240	37
TX-ZKX-30-45	13.5					95-340	30
TX-ZKX-30-52	15.75					110-360	30
TX-ZKX-30-60	18					130-420	37
TX-ZKX-30-75	22.5					130-450	37
TX-ZKX-36-45	16.2					130-500	45
TX-ZKX-36-52	18.9					150-530	45
TX-ZKX-36-61	21.6					170-560	55
TX-ZKX-36-75	27					200-600	55
TX-ZKX-43-61	26.23					220-850	75
TX-2ZKX-18-48	17.28	≤100	0-8	15	upper strata: 5-50 lower stratum: 0.25-25	38-225	18.5
TX-2ZKX-24-45	21.6					120-230	37
TX-2ZKX-24-60	28.8					120-260	45
TX-2ZKX-30-45	27					130-380	45
TX-2ZKX-30-52	31.5					140-480	55
TX-2ZKX-30-60	36					180-530	55
TX-2ZKX-36-45	32.4					180-500	55
TX-2ZKX-36-52	37.8					190-850	55
TX-2ZKX-36-60	43.2					210-950	55
TX-2ZKX-36-75	54					300-1000	75

TX-XZK-Linear Vibrating Screens

TX-XZK直线振动筛



PRODUCT INTRODUCTION

产品介绍

XZK直线振动筛是在消化、吸收国内外技术的基础上，并结合市场需求研制出来的新型系列振动筛。广泛应用于煤炭、冶金、电力、建材等行业，对中细粒级物料进行干湿式分级或脱水、脱泥、脱介等。

The TX-XZK linear vibrating screen is a new series of vibrating screens developed by our company, incorporating domestic and international technologies and market demand. It is widely used in the coal, metallurgy, power, building materials, and other industries for dry and wet grading or de-watering, de-sliming, de-intermediation, etc., of fine and medium-sized particles.

WORKING PRINCIPLE

工作原理

XZK直线振动筛采用双振动电机驱动，当两台电机做同步、反向旋转时，其偏心块所产生的激振力在平行于电机轴线的方向相互抵消，在垂直于电机轴的方向叠为一合力，因此筛机的运动轨迹为一直线。具有能耗低、效率高、结构简单、易维修、全封闭结构无粉尘溢散的特点。

The XZK linear vibrating screen is driven by double vibrating motors. When the two motors rotate synchronously and reversely, the exciting forces generated by the eccentric blocks cancel each other in the direction parallel to the motor axis and overlap into a resultant force in the direction perpendicular to the motor axis, so the motion trajectory of the screen is a straight line. It has the characteristics of low energy consumption, high efficiency, simple structure, easy maintenance and no dust overflow in the fully enclosed structure.

FEATURES AND ADVANTAGES

特点及优势

01

采用轴偏心块或偏心激振器作为激振力，激振力强；

Uses shaft eccentric block or eccentric vibrator as the source of excitation force, with strong excitation force.

02

筛箱及筛箱孔整体采用激光切割，筛箱整体折弯无任何焊接，避免焊接应力造成的筛箱开裂隐患；

The screen box and screen holes are cut as a whole with laser cutting, and the screen box is folded without any welding, avoiding the potential for screen box cracking caused by welding stress.

03

筛子横梁与筛箱采用高强度螺栓联接，无焊接；

The screen beam is connected to the screen box with high-strength bolts, without welding.

04

具有使用寿命长，耐腐蚀，运行平稳，噪音小，对基础冲击小等特点；

Long service life, corrosion resistance, stable operation, low noise, and minimal impact on the foundation.

05

采用挠性联轴器，柔性联接，运转平稳；

Uses flexible couplings for flexible connection and stable operation.

06

采用稀油润滑两种润滑方式以保证轴承经久耐用；

Two lubrication methods, thin oil lubrication, to ensure the durability of bearings.

07

筛网采用聚氨酯筛网经久耐用损耗低，维修更换方便；

The screen mesh uses polyurethane screen mesh, which is durable, low in wear and tear, and easy to maintain and replace.

TECHNICAL PARAMETERS

技术参数

Model 型号	Screen Area (m²) 筛网面积	Feed Particle Size (mm) 给料粒度	Amplitude (mm) 振幅	Vibration Frequency (mm) 振动频率	Motor Power (kw) 电机功率	Capacity (t/h) 处理能力
TX-XZK-14-37	5.25	≤150	3.5-5.0	16.0-16.33	5.5×2	11-79
TX-XZK-14-45	6.3	≤150	3.5-5.0	16.0-16.33	5.5×2	13-95
TX-XZK-18-37	6.75	≤150	3.5-5.0	16.0-16.33	7.5×2	15-110
TX-XZK-18-45	8.1	≤150	3.5-5.0	16.0-16.33	7.5×2	16-122
TX-XZK-18-52	9.45	≤150	3.5-5.0	16.0-16.33	7.5×2	19-142
TX-XZK-18-60	10.8	≤150	3.5-5.0	16.0-16.33	7.5×2	19-142
TX-XZK-20-45	9	≤150	3.5-5.0	16.0-16.33	11×2	18-195
TX-XZK-20-52	10.5	≤150	3.5-5.0	16.0-16.33	15×2	21-158
TX-XZK-20-60	12	≤150	3.5-5.0	16.0-16.33	15×2	24-180
TX-XZK-24-45	10.8	≤150	3.5-5.0	16.0-16.33	15×2	22-162
TX-XZK-24-52	12.6	≤150	3.5-5.0	16.0-16.33	15×2	25-189
TX-XZK-24-60	14.4	≤150	3.5-5.0	16.0-16.33	15×2	29-216
TX-XZK-30-45	13.5	≤150	3.5-5.0	16.0-16.33	18.5×2	27-203
TX-XZK-30-52	15.75	≤150	3.5-5.0	16.0-16.33	18.5×2	32-236
TX-XZK-30-60	18	≤150	3.5-5.0	16.0-16.33	18.5×2	36-270
TX-XZK-36-45	16.2	≤150	3.5-5.0	16.0-16.33	22×2	32-243
TX-XZK-36-52	18.9	≤150	3.5-5.0	16.0-16.33	22×2	38-135
TX-XZK-36-60	21.6	≤150	3.5-5.0	16.0-16.33	22×2	43-324
TX-XZK-36-75	27	≤150	3.5-5.0	16.0-16.33	22×2	54-405
TX-2XZK-14-37	10.5	≤250	3.5-5.0	16.0-16.33	7.5×2	29-210
TX-2XZK-14-45	12.6	≤250	3.5-5.0	16.0-16.33	7.5×2	35-252
TX-2XZK-18-37	13.5	≤250	3.5-5.0	16.0-16.33	11×2	38-295
TX-2XZK-18-45	16.2	≤250	3.5-5.0	16.0-16.33	11×2	45-324
TX-2XZK-18-52	18.72	≤250	3.5-5.0	16.0-16.33	11×2	52-378
TX-2XZK-18-60	21.6	≤250	3.5-5.0	16.0-16.33	11×2	52-378
TX-2XZK-20-45	18	≤250	3.5-5.0	16.0-16.33	15×2	50-360
TX-2XZK-20-52	21	≤250	3.5-5.0	16.0-16.33	15×2	58-420
TX-2XZK-20-60	24	≤250	3.5-5.0	16.0-16.33	15×2	66-480
TX-2XZK-24-45	21.6	≤250	3.5-5.0	16.0-16.33	18.5×2	60-432
TX-2XZK-24-52	25.2	≤250	3.5-5.0	16.0-16.33	18.5×2	69-504
TX-2XZK-24-60	28.8	≤250	3.5-5.0	16.0-16.33	18.5×2	79-576
TX-2XZK-30-45	27	≤250	3.5-5.0	16.0-16.33	22×2	74-540
TX-2XZK-30-52	31.5	≤250	3.5-5.0	16.0-16.33	22×2	87-630
TX-2XZK-30-60	36	≤250	3.5-5.0	16.0-16.33	22×2	99-720
TX-2XZK-36-45	32.4	≤250	3.5-5.0	16.0-16.33	30×2	89-648
TX-2XZK-36-52	37.8	≤250	3.5-5.0	16.0-16.33	30×2	104-756
TX-2XZK-36-60	43.2	≤250	3.5-5.0	16.0-16.33	30×2	119-864
TX-2XZK-36-75	27	≤150	3.5-5.0	16.0-16.33	45×2	125-864

TX-GDZS Series High-Frequency Multi-Layer Vibrating Fine Screen TX-GDZS-系列高频叠层振动细筛

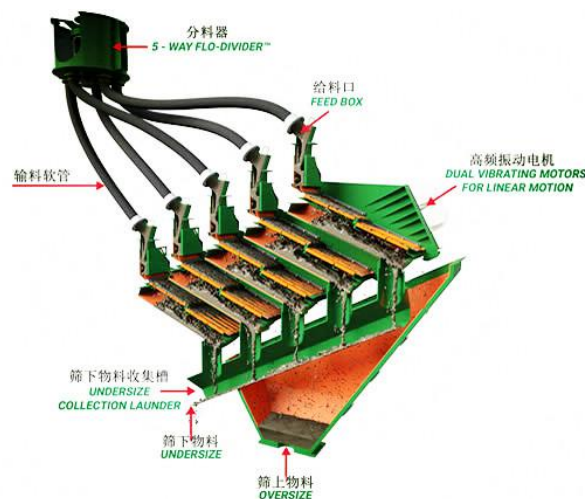
PRODUCT INTRODUCTION 产品介绍

叠层筛选机占地面积较小，但是却拥有超高的容量，采用高质量、高开孔率防堵耐磨聚氨酯筛网，而且又组成了1-5层的独立筛框进行多路并联，能够很好的对细粒和微细粒物料进行有效的筛选，是一款专门针对潮湿细颗粒物料高效筛选的筛选机产品。多应用于铝渣、矾土、铬矿、煤炭、铜、长石、铁矿石、高岭土、铅锌矿等物料。

The overlapping vibrating fine screen occupies a small area but has an ultra-high capacity. It uses high-quality, high open-hole rate, anti-clogging, and wear-resistant polyurethane screen meshes. It consists of 1-5 layers of independent screen frames connected in parallel, effectively screening fine and ultra-fine particles. It is a special screening machine for efficiently screening moist fine-grained materials and is widely used for materials such as aluminum dross, bauxite, chromite, coal, copper, feldspar, iron ore, kaolin, lead-zinc ore, etc.



WORKING STRUCTURE DIAGRAM AND PRINCIPLE 工作结构图及原理



叠层高频振动细筛是由两台运动方向相反的电振动物器带动筛框做直线运动，两台电振动物器作用到筛框上的合力通过筛框的重心。因此筛框上各点的激振力大小一致。

The multi-layer high-frequency vibrating fine screen is driven by two electric vibrators moving in opposite directions. The combined force of the two vibrators acts through the center of gravity of the screen frame. Therefore, the excitation force is uniform at all points on the screen frame.

PRODUCT ADVANTAGES 产品优势

01

设备占地面积小。

The equipment occupies a small area.

02

筛框采用橡胶弹簧悬挂支撑，噪音低，功耗小，设备动负荷小。

The screen frame is supported by rubber springs, resulting in low noise, low power consumption, and small dynamic load on the equipment.

03

高质量、高开孔率、防堵耐磨柔性聚氨酯筛网，筛网使用寿命增加。

High-quality, high open-hole rate, anti-clogging, wear-resistant flexible polyurethane screens increase the screen life.

04

筛箱整体做热处理消除焊接应力，避免筛箱二次变形。

The screen box is heat-treated to eliminate welding stress and prevent secondary deformation of the screen box.

05

采用变频控制，有效控制筛选效率。

The use of frequency conversion control effectively controls screening efficiency.

06

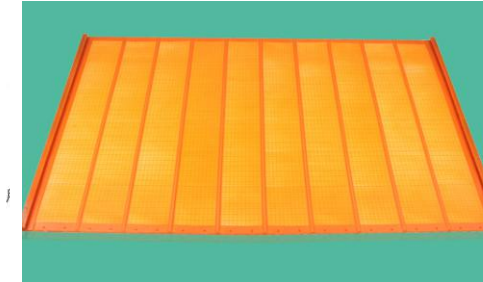
采用双振动器配置，能耗低，效率高。

The use of dual vibrator configuration results in low energy consumption and high efficiency.

07

分料筒及过浆部分内衬橡胶或聚氨酯，增加使用寿命。

The feed and overflow parts are lined with rubber or polyurethane to increase service life.



TECHNICAL PARAMETERS 技术参数

Model 型号	Number Of Layers 层数	Vibration Frequency (mm) 振动频率	Grading Granularity 分级粒度	Screening Area 筛分面积	Processing Capacity (t/h) 处理能力	Power (kw) 功率	Mineral Concentration 给矿浓度
TX-GDZS-1014	3	1405-1500	0.045-1.2	4.2	25-65	3.6	25-50% 具体根据物料 性质确定 25-50% depending on material properties
TX-GDZS-1014	4	1405-1500	0.045-1.2	5.6	30-75	3.6	
TX-GDZS-1014	5	1405-1500	0.045-1.2	7.0	50-100	4.4	
TX-GDZS-1021	2	1405-1500	0.045-1.2	4.2	15-35	3.6	
TX-GDZS-1021	3	1405-1500	0.045-1.2	6.3	30-65	3.6	
TX-GDZS-1021	4	1405-1500	0.045-1.2	8.4	40-80	3.6	
TX-GDZS-1021	5	1405-1500	0.045-1.2	10.5	50-95	4.4	
TX-GDZS-1217	2	1405-1500	0.045-1.2	4.03	20-35	3.6	
TX-GDZS-1217	3	1405-1500	0.045-1.2	6.05	40-65	3.6	
TX-GDZS-1217	4	1405-1500	0.045-1.2	8.06	50-75	3.6	
TX-GDZS-1217	5	1405-1500	0.045-1.2	10.08	55-100	4.4	
TX-GDZS-1224	2	1405-1500	0.045-1.2	6.05	22-55	3.6	
TX-GDZS-1224	3	1405-1500	0.045-1.2	9.07	34-70	4.4	
TX-GDZS-1224	4	1405-1500	0.045-1.2	12.1	46-85	4.4	
TX-GDZS-1224	5	1405-1500	0.045-1.2	15.12	58-100	7.0	

备注：振动频率1405次/min为国产电机，1500次/min为进口电机。

Note: The vibration frequency of 1405 times/min is for domestic electric vibrators, and 1500 times/min is for imported electric vibrators.

Dual-Axis Elliptical Horizontal Screen

双轴椭圆水平筛



PRODUCT INTRODUCTION

产品介绍

双轴椭圆水平筛具有结构新颖、维护简单的特点，采用高强度合金钢板制成的筛箱和激振器，比普通钢板强2倍以上,运行可靠，可减少总停机时间，使设备运行保持在优良水平。坚固的结构适应筛分高容量物料，并且依然保持稳定和高效。激振器置于振筛上方有利于后期维修保养，更换配件。

The dual-axis elliptical horizontal screen features a novel structure and simple maintenance. The screen box and exciter are made of high-strength alloy steel plates, which are more than twice as strong as ordinary steel plates. The robust structure ensures reliable operation, reduces total downtime, and maintains the equipment at an optimal level. The exciter is placed above the screen for easy maintenance and replacement of spare parts.

FEATURES AND ADVANTAGES

特点及优势

- 采用偏心块作为振动源，结构简单、可靠，维修方便。激振力大，筛分效率高。
- 零部件的标准化、模块化程度高，互换性、通用性好。通过调整偏心配重块的数量便可轻松改变激振力 适应多种规格筛机。
- 侧板与加强板、钢管横梁之间的连接全部采用振动筛专用高强度环槽铆钉铆接，铆钉抗剪强度高，抗振 动，永不动铆，避免了焊接缺陷导致的侧板开裂等事故。
- 优化设计的弹性元件，减小地基负荷，具有使用寿命长，过共振区平稳，噪音低等优点(可据使用情况 选用“金属螺旋弹簧”或“复合弹簧”)。
- 中间与两边同时涨紧的筛网涨紧结构、筛网减振橡胶条的设置使得筛网的有效使用寿命更长。
- 电机与激振器联接采用挠性联轴器，使力矩的传动没有轴向力的传递，从而使筛机的运行更加稳定。
- The screen uses an eccentric block as the vibration source, with a simple and reliable structure, easy maintenance, and high screening efficiency.
- The standardization and modularization of components are high, with good interchangeability and universality. The vibration force can be easily adjusted by changing the number of eccentric counterweights to adapt to various screen specifications.
- The connection between the side plates, reinforcing plates, and steel pipe beams is all made using high-strength rivets specifically for vibrating screens. These rivets have high shear strength and vibration resistance, ensuring they do not loosen, avoiding accidents caused by welding defects such as side plate cracking.
- The optimized design of the elastic elements reduces the foundation load, with a long service life, smooth passage through the resonance zone, and low noise (users can choose between "metal spiral springs" or "composite springs" according to usage conditions).
- The screen tension structure, which tightens the screen mesh simultaneously in the middle and on both sides, and the vibration-damping rubber strips for the screen mesh, extend the effective service life of the screen mesh.
- The connection between the motor and the exciter uses a flexible coupling, which allows for torque transmission without axial force, making the operation of the screen machine more stable.

TECHNICAL PARAMETERS

技术参数

Model 型号	Size of material trough (width * length mm) 料槽尺寸(宽*长)	Maximum Feed (mm) 最大进料	Processing capacity (t/h) 处理能力	Motor power (kw) 电机功率	Spindle speed (rpm) 主轴转速	Amplitude (mm) 振幅	Installation inclination angle (°) 安装倾角
2TX-SP-2160	2100*6000	260	440-650	22*2	820	11	0-5
2TX-SP-2460	2400*6000	260	500-700	22*2	820	11	5
2TX-SP-3060	3000*6000	260	600-800	37*2	840	11	10

注：1.处理能力是在破碎物料密度为1.6x103kg/m³时的数据。生产能力与破碎物料的物理性能、给料方式、进料粒度及其组成等工况有关。
2.我们的产品在不断更新和改进中，腾宇新创公司保留在未事先告知用户的情况下，更改参数及设计的权利。
3.以上产品配置不一定是出厂标准配置，购买时请详细咨询我们。

Notes: 1.The processing capacity is based on the density of the crushed material being 1.6x10³ kg/m³. The actual production capacity is related to the physical properties of the crushed material, the feeding method, the feed particle size, and its composition.
2. Our products are continuously updated and improved. Tengyu New Creation Company reserves the right to change parameters and designs without prior notice to users.
3. The above product configurations are not necessarily the standard factory configurations. Please consult us in detail when purchasing.

Fx High-Efficiency Hydrocyclone

FX-高效水力旋流器



WORKING PRINCIPLE

工作原理

高效水力旋流器主要利用离心力场实现物料和水的分离或分级，可以有效实现细物料的分级、脱泥和浓缩。

Efficient hydrocyclones mainly utilize centrifugal force fields to achieve separation or classification of materials and water, which can effectively achieve classification, desliming, and concentration of fine materials.

CYCLONE MATERIAL

旋流器材质

氧化铝陶瓷 Alumina Ceramic	聚氨酯 Polyurethane	橡胶 Rubber
适合生产过程中高磨损和腐蚀的工况。 Suitable for working conditions with high wear and corrosion in the production process.	耐磨性强，使用寿命长，适合处理细粒物料。 Strong wear resistance, long service life, suitable for handling fine-grained materials.	成本较低，耐磨性适中，适合中等磨损工况。 Low cost, moderate wear resistance, suitable for medium wear conditions.

TECHNICAL FEATURES

技术特点

高效分离 Efficient Separation	结构简单 Simple Structure	适应性强 Strong Adaptability
在短时间内实现物料的分级和脱泥，提高效率。 Realize material grading and desliming in a short period of time to improve efficiency.	无运动部件，维护成本低，运行稳定。 No moving parts, low maintenance cost, stable operation.	可根据煤质和工艺要求调整结构参数。 The structural parameters can be adjusted according to coal quality and process requirements.

TECHNICAL PARAMETERS

技术参数

Model 型 号	Inner diameter (mm) 内径	Overflow Pipe Diameter (mm) 溢流管径	Underflow outlet diameter (mm) 底流口径	Maximum Feeding Particle Size (mm) 最大给料粒度	Feed Pressure (mpa) 入料压力	Capacity (m³/h) 处理能力	Separate Particle Size (μ m) 分离粒度	Dimensions(mm) 外形尺寸			Unit weight (kg) 单机重量
								long 长	wide 宽	tall 高	
Fx850	850	280-380	130-220	22	0.04-0.15	500-900	74-350	1600	1300	3300	2600
FX710	710	220-300	100-180	16	0.04-0.15	400-550	74-250	1255	1185	3040	1250
FX660	660	200-280	90-160	16	0.04-0.15	260-450	74-220	1215	1005	2520-2660	1060-1200
FX610	610	160-220	70-130	12	0.04-0.15	200-280	74-200	1160	g35	2390	910
FX500	500	140-200	60-120	10	0.04-0.2	140-220	74-200	2060	830	1610-2490	480-670
FX400	400	80-150	40-90	8	0.06-0.2	100-170	74-150	825	770	1770	320
FX350	350	90-135	30-85	6	0.06-0.2	70-160	50-150	820	580	1410-2640	160-380
FX300	300	70-120	25-60	5	0.06-0.2	45-90	50-150	615	520	1400-2020	105-180
FX250	250	60-90	20-50	3	0.06-0.3	40-80	40-100	575	540	1160-1840	70-150
FX200	200	50-85	25-40	2	0.06-0.3	25-40	40-100	355	350	1110	35-65
FX150	150	40-50	12-35	1.5	0.08-0.3	14-35	20-74	315	275	735-1815	30-55
FX125	125	25-40	8-18	1	0.1-0.3	8-20	25-50	265	250	620-1220	10-45
FX100	100	20-40	8-25	1	0.1-0.3	8-20	20-50	260	215	415-1070	7-40
Fx75	75	15-20	5-14	0.6	0.1-0.4	3-7	10-40	220	190	795-825	5-30



TX-TES Three-Axis Horizontal Elliptical Vibrating Screen

TX-TES三轴水平椭圆振动筛



PRODUCT INTRODUCTION

产品介绍

三轴水平振动筛是吸收国内外同类型振动筛技术而研制的，因水平安装，占用现场空间小，而广泛运用于冶金、建材、交通等行业，是移动破碎站上非常理想的设备。三轴驱动能使筛机产生理想的椭圆运动，兼备了圆振动筛和直线振动筛的各自的优点，具有透筛性好、处理能力强、安装高度小的特点，可根据实际物料状况选择振动轨迹，对难筛分的物料更具优势，是各种矿山、石矿场、移动式筛分站的理想设备。

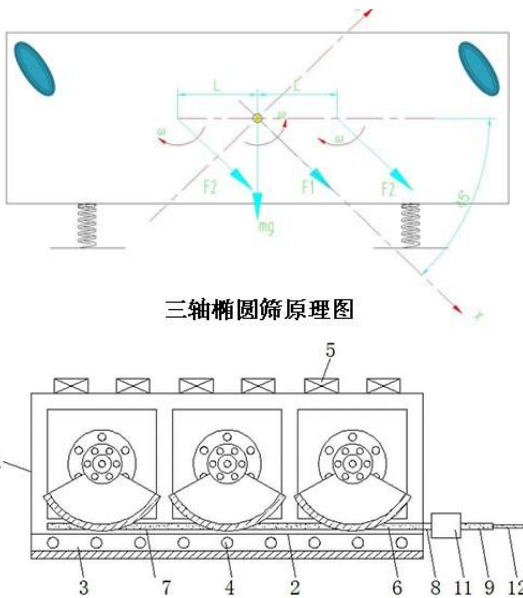
The three-axis horizontal vibrating screen is developed by absorbing the technology of domestic and international vibrating screens of the same type. Due to its horizontal installation, it occupies a small on-site space and is widely used in industries such as metallurgy, building materials, and transportation. It is an ideal device for mobile crushing stations. The three-axis drive enables the screen to produce an ideal elliptical motion, combining the advantages of both round and linear vibrating screens. It has good permeability, large processing capacity, and low installation height. The vibration trajectory can be selected according to the actual material conditions, and it has an advantage for difficult-to-screen materials. It is an ideal device for various mines, stone quarries, and mobile screening stations.

STRUCTURAL COMPOSITION

结构组成

动力从电机经三角皮带传递至激振器主动轴、齿轮振动器（速比为1），实现三根轴同速旋转，产生激振力，激振器与筛箱高强度螺栓联接，产生椭圆运动。物料在筛面上随筛机高速椭圆运动，迅速分层、透筛、向前，最终完成物料的分级。

Power is transmitted from the motor to the driving shaft of the vibration exciter and the gear vibrator (the speed ratio is 1), so that the three shafts rotate at the same speed to generate exciting force. The vibration exciter is connected with the high-strength bolt of the screen box to generate elliptical motion. The material moves along with the high-speed elliptical motion of the screen machine on the screen surface, quickly layers, passes through the screen and moves forward, and finally completes the classification of the material.



PRODUCT FEATURES

产品特点

XYK系列圆振动筛是我公司吸收国内技术制造的高效振动筛。适宜采石场筛分砂石料，也可供选煤、选矿、建材、电力及化工等行业作产品分级用。

The XYK series round vibrating screen is a highly efficient vibrating screen manufactured by our company, incorporating domestic technology. It is suitable for screening sand and gravel in quarries and can also be used for product grading in industries such as coal selection, mineral selection, building materials, power, and chemical engineering.

PRODUCT FEATURES

产品特点

- 结合了圆振筛和直线筛特点，振幅最高达16mm，处理能力大，筛分效率高；
- 筛机运行轨迹为椭圆形，运动平稳，功耗低；
- 三轴驱动强迫同步激振，能使筛机获得稳定的工作状态，对要求处理量大的筛分尤其有利；
- 由于其水平安装，有效的降低了机组高度，能很好的满足大、中型移动式筛分机组的需要。
- 同样的筛分面积，三轴水平振动筛产量可提高1.3-2倍。
- Combines the features of round and linear vibrating screens, with a maximum amplitude of 16mm, large processing capacity, and high screening efficiency.
- The screen machine has an elliptical motion trajectory, operates smoothly, and has low power consumption.
- The three-axis drive forces synchronous excitation, enabling the screen machine to achieve a stable working state, which is especially beneficial for screening with large processing requirements.
- Due to its horizontal installation, the unit height is effectively reduced, meeting the needs of large and medium-sized mobile screening units.
- With the same screening area, the output of the three-axis horizontal vibrating screen can be increased by 1.3-2 times.

WORKING PRINCIPLE

工作原理

该振动筛由电机、传动装置、筛箱、橡胶复合弹簧、底架、阻尼器等构成。该设备工作时，动力从电机经三角皮带传递至激振器主动轴、齿轮振动器（速比为1），实现三根轴同速旋转，产生激振力，激振器与筛箱高强度螺栓联接，产生椭圆运动。物料在筛面上随筛机高速椭圆运动，迅速分层、透筛、向前，终完成物料的分级。

The vibrating screen consists of a motor, transmission device, screen box, rubber composite spring, base frame, damper, etc. When the equipment is working, power is transmitted from the motor through a V-belt to the active shaft of the exciter and the gear vibrator (with a speed ratio of 1), enabling the three shafts to rotate at the same speed and generate excitation force. The exciter is connected to the screen box with high-strength bolts, producing an elliptical motion. The material on the screen surface moves with the high-speed elliptical motion of the screen machine, quickly stratifies, permeates, and moves forward, ultimately completing the grading of the material.

TECHNICAL PARAMETERS

技术参数

Model 型号	Screen specifications Width * Length (mm) 筛面规格 宽*长	Screen surface area(m²) 筛面面积	Number of layers 层数	Maximum feed particle size (mm) 最大进料粒度	Dual amplitude (mm) 双振幅	Vibration frequency (r/min) 振动频率	processing capacity (t/h) 处理能力	Motor Power (kw) 电机功率	weight (t) 重量
TX-2TES1852	1.8*5.2	9.45	2	150	14-18	645-875	120-250	22	7.6
TX-3TES1852	1.8*5.2	9.45	3		14-18		120-250	30	8.7
TX-2TES1860	1.8*6.0	10.8	2		14-18		160-320	37	9.2
TX-3TES1860	1.8*6.0	10.8	3		14-18		160-320	37	11.2
TX-2TES2060	2.0*6.0	12	2		14-18		200-385	37	10.5
TX-3TES2060	2.0*6.0	12	3		14-18		200-385	45	12.3
TX-2TES2460	2.4*6.0	14.4	2		14-18		240-462	45	13.2
TX-3TES2460	2.4*6.0	14.4	3		14-18		240-462	45	15.1

注：1. 处理能力是在破碎物料密度为1.6x103kg/m³时的数据，生产能力与破碎物料的物理性能、给料方式、进料粒度及其组成等工况有关。
2. 我们的产品在不断更新和改进中，腾宇新创公司保留在未事先告知用户的情况下，更改参数及设计的权利。
3. 以上产品配置不一定是出厂标准配置，购买时请详细咨询我们。

Notes: 1. The processing capacity is based on the density of the crushed material being 1.6x10³ kg/m³. The actual production capacity is related to the physical properties of the crushed material, the feeding method, the feed particle size, and its composition.
2. Our products are continuously updated and improved. Tengyu New Creation Company reserves the right to change parameters and designs without prior notice to users.
3. The above product configurations are not necessarily the standard factory configurations. Please consult us in detail when purchasing.

LFL-Heavy Metal Concentrator

LFL-重金属富集机



PRODUCT INTRODUCTION

产品介绍

重金属富集机是一种用于从矿石中提取和富集重金属的设备。这类设备通常应用于贵金属、稀有金属和有色金属的提取过程中，具有高效、环保的特点。

The heavy metal concentrator is a device used for extracting and enriching heavy metals from ores. It is commonly applied in the extraction processes of precious metals, rare metals, and non-ferrous metals and is characterized by high efficiency and environmental friendliness.

WORKING PRINCIPLE

工作原理

重金属富集机主要通过重力选矿的方法工作。其基本原理是根据不同矿物的比重差异，利用重力分离技术将目标重金属与其他杂质分离。设备通常包括振动筛、振动溜槽、鼓动溜槽、悬振式尾矿选矿机等，通过这些设备的组合使用，可以实现高效的重金属富集。

The heavy metal concentrator primarily operates through gravity separation. Its fundamental principle is to separate the target heavy metals from other impurities based on the differences in the specific gravity of various minerals. The equipment typically includes vibrating screens, vibrating chutes, shaking chutes, and suspended vibrating tailings concentrators. The combination of these devices can achieve efficient heavy metal enrichment.



APPLICATIONS

应用场景

重金属富集机广泛应用于各种重金属矿石的选别，包括钨矿、锡矿、钽铌矿、金银矿等。此外，它还常用于处理尾矿，提高贵金属和稀有金属的回收率和富集比。

The heavy metal concentrator is widely used in the separation of various heavy metal ores, including tungsten ore, tin ore, tantalum-niobium ore, gold and silver ores, etc. Additionally, it is often employed in the treatment of tailings to increase the recovery rate and enrichment ratio of precious and rare metals.

TECHNICAL PARAMETERS AND PERFORMANCE INDICATORS

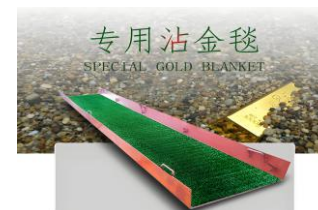
技术参数和性能指标

重金属富集机的技术参数和性能指标因具体型号和配置不同而有所差异。一般而言，这类设备具有较高的富集比和回收率。

The technical parameters and performance indicators of heavy metal concentrators vary depending on the specific model and configuration. Generally, these devices offer high enrichment ratios and recovery rates.

Gold Adhesive Blanket

粘金毯



PRODUCT INTRODUCTION

产品介绍

粘金毯是一种专门用于水式淘沙金的工具，也被称为吸金草、淘金草、增金草、抓金毯等。

The gold adhesive blanket, also known as gold-grabbing grass, gold-increasing grass, gold-catching blanket, etc., is a specialized tool for wet gold panning.

PRODUCT CHARACTERISTICS

产品特性

材质与结构

Material and Structure

粘金毯通常采用高密度聚乙烯（PE）、尼龙等材质，具有高弹耐磨、耐腐蚀的特。PE聚乙烯适合普通沙金作业，尼龙由于具有较强吸附力，适合于细金粒回收。

The gold adhesive blanket is typically made from high-density polyethylene (PE) or nylon, featuring high elasticity, wear resistance, and corrosion resistance. PE is suitable for general gold panning operations, while nylon, with its strong adsorption capacity, is ideal for fine gold particle recovery.

集金率

Gold Collection Rate

集金率高达95%以上，远高于传统产品。
The gold collection rate can reach over 95%, significantly higher than traditional products.

使用寿命

Service Life

使用周期一般为4-6个月。
The typical usage cycle is 4-6 months.

USAGE METHOD

使用方法

- 准备工作：检查粘金毯是否完好无损，确保淘金场地平整，并准备好足够的水源。
- 安装与调试：将粘金毯平铺在淘金设备的适当位置，确保其平整无褶皱，并调整水流速度和方向。
- 淘金过程：将矿砂与水混合后，通过淘金设备输送到粘金毯上，在水流作用下，金属颗粒被粘附在粘金毯上。
- 收集金粒：当粘金毯上的金属颗粒积累到一定程度时，停止水流，将粘金毯取下，轻轻拍打或刮除金属颗粒。
- Preparation: Inspect the gold adhesive blanket for any damage, ensure the panning site is level, and prepare an adequate water supply.
- Installation and Adjustment: Lay the gold adhesive blanket flat in the appropriate position on the panning equipment, ensuring it is smooth and wrinkle-free, and adjust the water flow speed and direction.
- Panning Process: Mix the ore sand with water and convey it to the gold adhesive blanket through the panning equipment. Under the action of water flow, metal particles are adhered to the gold adhesive blanket.
- Gold Collection: When a sufficient amount of metal particles has accumulated on the gold adhesive blanket, stop the water flow, remove the blanket, and gently tap or scrape off the metal particles.

MAINTENANCE AND STORAGE

维护与保养

定期清洗粘金毯，去除杂质和污垢。
不使用时，应将粘金毯存放在干燥通风的地方，避免受潮或曝晒。
定期检查淘金设备的运行状态，确保水流速度和方向的稳定性。
Regularly clean the gold adhesive blanket to remove impurities and dirt.
Store the blanket in a dry and ventilated place when not in use to prevent dampness or exposure to sunlight.
Regularly check the operation of the panning equipment to ensure the stability of water flow speed and direction.

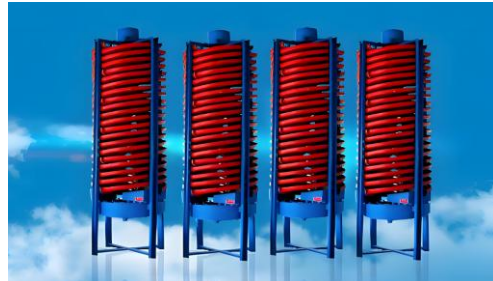
APPLICATION RANGE

适用范围

粘金毯广泛应用于砂金矿、岩金矿、金尾矿等的淘金过程中，尤其适用于水上淘沙金。
The gold adhesive blanket is widely used in gold panning processes for placer gold mines, lode gold mines, gold tailings, etc., and is particularly suitable for water-based gold panning operations.

LL Spiral Chute

LL-螺旋溜槽



PRODUCT INTRODUCTION

产品介绍

螺旋溜槽是一种新型的重力选矿设备，综合了螺旋选矿机、摇床、离心选矿机的优点，主要用于分选粒度在0.3 0.02毫米的细粒矿物。广泛用于分选铁矿、钛铁矿、铬铁矿、硫铁矿、钨矿、锡矿、钽铌矿等多种金属矿石，以及海滨、河滨砂矿和金矿石等。

Spiral chutes are a new type of gravity ore dressing equipment that combines the advantages of spiral ore dressing machines, shaking tables, and centrifugal ore dressing machines. They are mainly used for the separation of fine-grained minerals with particle sizes ranging from 0.3 to 0.02 millimeters. They are widely used for the separation of various metal ores, such as iron ore, ilmenite, chromite, pyrite, tungsten ore, tin ore, tantalum-niobium ore, and beach, river sand ores, and gold ores.

STRUCTURAL COMPOSITION

结构组成

螺旋溜槽主要由分矿斗、给矿槽、螺旋槽、槽钢支架等组成。螺旋槽由玻璃钢制成，内表面涂有耐磨层，通常为聚氨酯橡胶或掺入金刚砂的环氧树脂。

Spiral chute is mainly composed of ore distributor, ore feeder, spiral chute and channel steel bracket. The spiral groove is made of glass fiber reinforced plastic, and its inner surface is coated with a wear-resistant layer, usually polyurethane rubber or epoxy resin mixed with emery.

EQUIPMENT FEATURES

设备特点

高效选矿 Efficient Ore Dressing	适应性强 Strong Adaptability	结构简单 Simple Structure
通过重力和离心力作用，实现矿物的高效分离。 Achieves efficient separation of minerals through gravity and centrifugal force.	对给矿量、浓度、粒度和品位波动适应性强。 Adaptable to fluctuations in feed quantity, concentration, particle size, and grade.	无运动部件，维护方便，使用寿命长。 No moving parts, easy maintenance, and long service life.
节能环保 Energy Saving and Environmental Protection	适应性广 Wide Applicability	富集比高 High Enrichment Ratio
无需动力，耗水量少，适应性强。 No power required, low water consumption, and strong adaptability.	适用于多种矿物，如铁矿、钛铁矿、金矿、石英砂等。 Suitable for various minerals, such as iron ore, ilmenite, gold ore, and quartz sand.	选矿富集比高，回收率高 High ore dressing enrichment ratio and recovery rate.

TECHNICAL PARAMETERS

技术参数

Model 型 号	Spiral Diameter (mm) 螺旋直径	Pitch (mm) 螺距	Distance To Diameter Ratio 距径比	Cross Dip 横向倾角	Installation Head Count 安装头数	Feed Particle Size (mm) 给矿粒度	Feed Particle Size (%) 给矿浓度	Processing Capacity (t/h) 处理能力	Long Wide Tall (mm) 外形尺寸长宽高	Weight (kg) 重量
5LL-2000	2000	1200	0.6	9°	3	2.00-0.04	30-55	7-10	2120*2120*5600	900
5LL-1500	1500	720/540	0.48/0.36	9°	4	0.8-0.037	30-60	6-8	1600*1600*5300	800
5LL-1200	1200	900/720/540	0.75/0.6/0.45	9°	4	0.3-0.03	25-35	4-6	1360*1360*5230	600
5LL-900	900	675/540/405	0.75/0.6/0.45	9°	4	0.3-0.03	25-55	2-3	1060*1060*4000	400
5LL-600	600	450/360/270	0.75/0.6/0.45	9°	2	0.2-0.02	25-55	0.4-0.8	700*700*2600	150
5LL-400	400	240/180	0.6/0.45	9°	2	0.2-0.02	25-55	0.15-0.2	460*460*1500	50

GSNG High-efficiency Deep Cone Thickener

GSNG-高效深锥浓密机

INTRODUCTION

简介

高效深锥浓密机是一种用于固液分离的高效设备，广泛应用于矿业、化工、环保等领域。

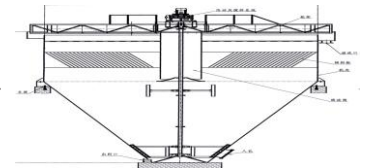
The high-efficiency deep cone thickener is an efficient solid-liquid separation device widely used in mining, chemical engineering, environmental protection, and other fields.

STRUCTURAL COMPOSITION:

结构组成

高效深锥浓密机是一种用于固液分离的高效设备，广泛应用于矿业、化工、环保等领域。

The high-efficiency deep cone thickener mainly consists of a circular thickening tank, a rake scraper, a feed device, a discharge device, and a sludge discharge system. The thickening tank is vertically conical, with a height much greater than the diameter. This design increases the sedimentation area and improves thickening efficiency.



PERFORMANCE ADVANTAGES

性能优势

- 高效浓缩：由于添加絮凝剂和深锥形设计，沉降速度加快，处理能力比传统浓密机高出3-8倍，处理能力大，底流浓度可达70%以上；
- 占地面积小：细长的池体设计使其在空间有限的场所具有优势；
- 自动化程度高：可实现智能化操作，自动监测和控制絮凝层高度、底流泵速度等；
- 节能环保：运行能耗低，溢流水清澈，可循环利用，溢流浓度：溢流浓度低，能够满足环保要求，且溢流水可以循环利用。
- **High-efficiency Thickening:** Due to the addition of flocculants and the deep cone design, the sedimentation speed is increased, and the processing capacity is 3-8 times higher than that of traditional thickeners. The underflow concentration can reach above 70%.
- **Small Footprint:** The slender tank design gives it an advantage in space-limited areas.
- **High Degree of Automation:** Capable of intelligent operation, automatic monitoring, and control of flocculant layer height, underflow pump speed, etc.
- **Energy-saving and Environment-friendly:** Low energy consumption during operation, clear overflow water that can be recycled, low overflow concentration meeting environmental protection requirements, and recyclable overflow water.

APPLICATION FIELDS

应用领域

高效深锥浓密机主要用于矿业中的矿浆浓缩、尾矿脱水及资源再利用，也可用于化工、环保等行业的颗粒料浆浓缩及废水处理。

Application Fields: The high-efficiency deep cone thickener is mainly used for pulp thickening, tailings dewatering, and resource recycling in the mining industry. It is also used for particle pulp thickening and wastewater treatment in chemical engineering and environmental protection industries.

TECHNICAL PARAMETERS

技术参数

Model 型 号	Tank Diameter (mm) 池直径	Tank Depth (mm) 池深度	Sedimentation Area (m²) 沉降面积	Processing Capacity (m³/h) 处理能力	Power (kw) 功率
GSNG-3	3000	4404	21	60-70	1.1
GSNG-6	6000	8810	85	210-260	2.2
GSNG-9	9000	13500	190	340-470	4
GSNG-12	12000	17500	340	570-770	5.5
GSNG-15	15000	19080	530	660-880	6

6-S Shaking Table

6-S摇床

PRODUCT INTRODUCTION

产品介绍

6-S摇床属重力选矿的主要设备之一，广泛用于选别钨、锡、钽、铌、铁、锰、铬、钛、铋、铅、金等其他稀有金属和贵金属矿，也可用于煤矿。6-S摇床可用于粗选、精选、扫选等不同作业，选别粗砂（2-0.5mm）、细砂（0.5-0.074mm）、矿泥（-0.074）等不同粒级。也可用于选别铁、锰矿石和煤。当处理钨、锡等矿石时，摇床的有效回收粒度范围为2-0.022毫米。

The 6-S shaking table is one of the main equipment for gravity separation and is widely used for the separation of tungsten, tin, tantalum, niobium, iron, manganese, chromium, titanium, bismuth, lead, gold, and other rare and precious metal ores. It can also be used for coal separation. The 6-S shaking table can be used for rough selection, fine selection, and scavenging operations, and can handle different particle sizes such as coarse sand (2-0.5 mm), fine sand (0.5-0.074 mm), and slime (-0.074 mm). It can also be used for the separation of iron and manganese ores and coal. When processing tungsten and tin ores, the effective recovery particle size range of the shaking table is 2-0.022 mm.



WORKING PRINCIPLE

工作原理

摇床的选矿过程是在具有复条的倾斜床面上进行的，矿粒群从床面上角的给矿槽送入，同时由给水槽供给横向冲洗水，于是矿粒在重力，横向流水冲力，床面作往复不对称运动所产生的惯性和摩擦力的作用下，按比重和粒度分层，并沿床面作纵向运动和沿倾斜床面作横向运动。因此，比重和粒度不同的矿粒沿着各自的运动方向逐渐由A边向B边呈扇形流下，分别从精矿端和尾矿侧的不同区排出，最后被分成精矿，中矿和尾矿。

6-S摇床玻璃钢具有富矿比高，选别效率高，看管容易，便于调节冲程。在改变横向坡度和冲程是仍可保持床面运行平衡，弹簧放置在箱体内，结构紧凑，且能依次得出最终精矿和最终尾矿。

The separation process of the shaking table takes place on an inclined bed with riffles. The ore particles are fed into the feed trough at the upper corner of the bed, while rinse water is supplied from the water trough. Under the combined action of gravity, the flushing force of the horizontal water flow, the inertia and friction forces generated by the reciprocating asymmetric motion of the bed surface, the ore particles stratify according to their specific gravity and particle size, and move longitudinally and horizontally along the bed surface. As a result, ore particles with different specific gravity and particle size gradually flow down from side A to side B in a fan shape, and are discharged from different zones at the concentrate end and tailings side, finally being separated into concentrate, middlings, and tailings.

FEATURES AND ADVANTAGES

优势和特点

01

高回收率，高富集比；

High recovery rate and enrichment ratio.

02

易安装，操作简单；

Easy installation and simple operation.

03

玻璃钢床面，七种不同床面可供选择；

Glass fiber-reinforced plastic bed surface with seven different types available.

04

使用寿命长。

Long service life.

TECHNICAL PARAMETERS

技术参数

型号 Model		6-S 7.6			6-S 4.08	6-S 1.95	6-S 0.5
Machine tool surface type 床面类型		粗砂床面 Coarse sand bed surface	细沙床面 Fine sand bed surface	矿泥床面 Mud bed surface	三种床面可选 Three types of bed surfaces to choose from		
Machine surface beneficiation area(m²) 床面选矿面积		7.6	7.6	7.6	4.08	1.95	0.5
Machine surface dimensions 床面尺寸	length 长	4500	4500	4500	3000	2100	1100
	width 宽	1850	1850	1850	1320	1050	500
	height 高	1550	1550	1550	1100	850	430
Maximum feeding particle size (mm) 最大给矿粒度		2	0.5	0.074	矿砂 -2 矿泥-0.1 ore -2 ore-0.1	矿砂-2 矿泥-0.074 ore -2 ore-0.074	矿砂-2 矿泥-0.074 ore -2 ore-0.074
Processing ability (t/h) 处理能力		1-1.2	0.5-1	0.3-0.5	0.4-1.5	0.3-0.8	0.05-0.2
Mineral concentration (%) 给矿浓度		20-30	18-25	15-20	10-30	10-30	10-30
Stroke (mm) 冲程		16-22	11-16	8-16	6-30	12-28	9-17
Chong Ci (r/min) 冲次		220	250	280	210-320	250-450	280-460
Water consumption (t/h) 耗水量		0.7-1	0.4-0.7	0.4-0.7	0.3-1.5	0.2-1	0.1-0.5
Groove section shape 刻槽断面形状		矩形 rectangle	锯齿波 sawtooth wave	三角形 triangle	矩形、锯齿波、三角形三种可选 Three options to choose from: rectangle, sawtooth wave, and triangle		
Motor power (kw) 电机功率		1.1	1.1	1.1	1.1	1.1	0.55

*注：根据给矿位置的不同，摇床可分为右摇床及左摇床两种形式。右式摇床的给矿位置对于摇动机构来说在右边，左式摇床则给矿位置在左边。
*Note:According to the different mining locations, the shaking table can be divided into two forms: right shaking table and left shaking table. The feeding position of the right-handed shaker is on the right side for the shaking mechanism, while the feeding position of the left-handed shaker is on the left side.

XCF Flotation Machine

XCF浮选机



The XCF aerated mechanical agitation flotation machine is an external aeration type flotation machine.
XCF 充气机械搅拌式浮选机是一种外充气式浮选机

WORKING PRINCIPLE

工作原理

叶轮旋转时，上叶片抽吸给矿及中矿，槽内矿浆从四周槽底由叶轮下端吸入到叶轮上叶片间；同时，鼓风机给入的低压空气经分配器进入叶轮下叶片间，矿浆和空气在叶轮下叶片间充分混合后，从叶轮下叶片周边排出，与上叶片排出的矿浆一起，经定子稳流和定向后进入槽内主体矿浆中。矿化气泡上升到槽子表面形成泡沫层，部分矿浆返回叶轮下叶片循环，其余通过槽间壁流通孔进入下槽再选别。

When the impeller rotates, the upper blades draw in feed and middlings, and the pulp in the tank is sucked into the upper blades of the impeller from the bottom of the tank through the lower end of the impeller. At the same time, low-pressure air supplied by the blower enters the lower blades of the impeller through the distributor. The pulp and air are fully mixed in the lower blades of the impeller and then discharged from the periphery of the lower blades. Together with the pulp discharged from the upper blades, it enters the main pulp in the tank after being stabilized and directed by the stator. The mineralized bubbles rise to the surface of the tank to form a foam layer. Part of the pulp returns to the lower blades of the impeller for circulation, while the rest flows through the communication holes in the tank wall into the next tank for further separation.

STRUCTURAL FEATURES

结构特点

叶轮 Impeller	定子 Stator	盖板 Cover Plate
采用上下叶片结构，被圆盘分开。上叶片负责吸浆，采用辐射状平直叶片，中心区无外加充气干扰，可形成较大负压吸浆；下叶片负责循环矿浆和分散空气，形状类似 KYF 型浮选机叶轮。 The impeller has an upper and lower blade structure separated by a disc. The upper blades are responsible for drawing in pulp, using radiating flat blades. The center area is free from external aeration interference, which can create a larger negative pressure for pulp drawing. The lower blades are responsible for circulating pulp and dispersing air, with a shape similar to the impeller of the KYF type flotation machine.	采用敞开式定子，使空气能良好分散，增强吸浆能力。 An open stator is used to ensure good air dispersion and enhanced pulp drawing capability.	设置在叶轮上叶片上边，封闭上叶片，防止矿浆回流，为保证上叶片中心区形成较大负压，盖板与叶轮上叶片上端间隙一般在 5－10mm。 Installed above the upper blades of the impeller, it closes the upper blades to prevent pulp backflow. To ensure a larger negative pressure in the center area of the upper blades, the gap between the cover plate and the upper end of the impeller blades is generally 5-10mm.

Advantages

优势

01	02	03
具有自吸矿浆能力，可水平配置，无需泡沫泵 Capable of self-drawing pulp, can be configured horizontally, no need for foam pump.	常与 KYF 型浮选机配置成机组（XCF 型为吸入槽，KYF 型为直流槽）联合使用，能减少不同零件数量 .Often used in combination with the KYF type flotation machine (XCF type as suction tank, KYF type as direct current tank) to form a unit, reducing the number of different parts.	叶轮直径小、圆周速度低，可降低功率 30－50% Small impeller diameter and low peripheral speed, reducing power consumption by 30-50%.
04	05	06
空气分散均匀，能使固体颗粒充分悬浮 Uniform air dispersion ensures full suspension of solid particles.	U 型槽结构可减少尾砂沉淀 U-shaped tank structure reduces tailings sedimentation.	叶轮结构及叶片间隙流道设计合理，叶轮、定子使用寿命长。 Rational design of impeller structure and blade gap flow channels, ensuring long service life for the impeller and stator.

广泛应用于以下领域

The drum sand washer is widely used in the following fields:

 1 金属矿 METAL	 2 浮选厂 Flotation plant
广泛用于有色金属、黑色金属、非金属矿物的选别 Widely used in the separation of non-ferrous metals, ferrous metals, and non-metallic minerals	适用于大、中型浮选厂的粗选和扫选作业 suitable for roughing and scavenging operations in large and medium-sized flotation plants.

TECHNICAL PARAMETERS

技术参数

Model	Effective Volume (m³)	Capacity (m³/min)	Impeller Diameter (mm)	Impeller Speed (r/min)	Blower Pressure (kpa)	Maximum Aeration Rate (m³/m² min)	Agitation Power (kw)	Scraper Power (kw)	Weight of Single Tank (kg)
型 号	有效容积	处理能力	叶轮直径	叶轮转速	鼓风机风压	最大充其量	搅拌功率	刮板功率	单槽重量
XCF-1	1	0.2-1	400	358	≥12.6	2	5.5	1.1	1154
XCF-2	2	0.2-2	470	305	≥14.7	2	7.5	1.1	1659
XCF-3	3	0.6-3	540	206	≥19.8	2	11	1.5	2259
XCF-4	4	1.4-4	620	225	≥19.8	2	15	1.5	2669
XCF-8	8	3-8	720	185	≥21.6	2	22	1.5	3968
XCF-16	16	4-16	860	160	≥25.5	2	37	1.5	6520

备注：XCF-1需充气，可自吸；XCF-2矿浆能力，可水平设置，不需要泡沫
Note:XCF-1Inflatable, self-priming,XCF-2The pulp capacity can be set horizontally without foam.

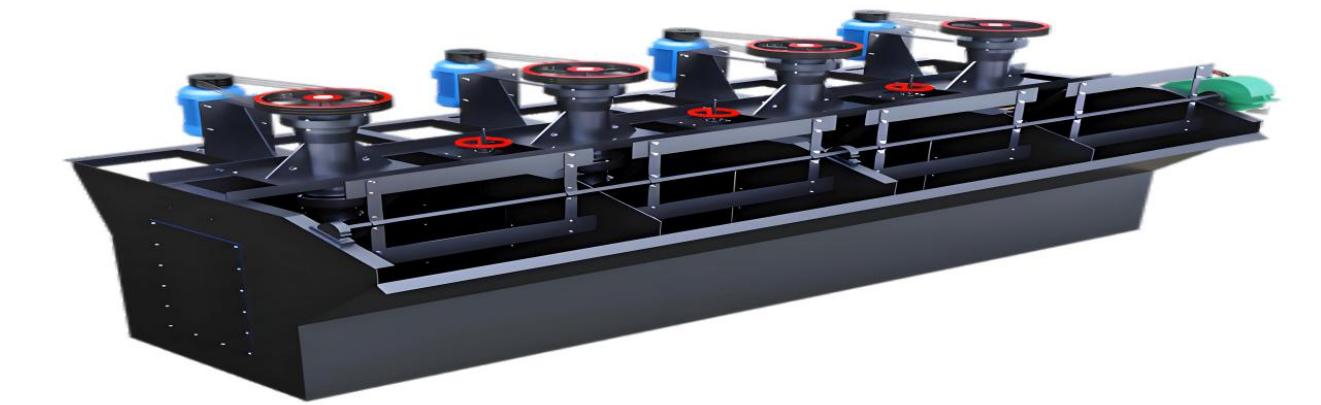
XYF浮选机

XYF Flotation Machine

KYF-浮选机

KYF Flotation Machine

Horizontal Screen



INTRODUCTION

简介

KYF 浮选机适用于大、中型选矿厂粗选和精选作业，可对有色金属、黑色金属、非金属矿物进行选别，入选物料粒度范围一般为 0.3 – 0.01mm（-0.074mm 粒级含量>50%）。

he KYF flotation machine is suitable for roughing and cleaning operations in large and medium-sized ore dressing plants. It can be used for the separation of non-ferrous metals, ferrous metals, and non-metallic minerals. The particle size range of the feed material is generally 0.3-0.01mm (-0.074mm particle size content > 50%).

STRUCTURAL COMPOSITION

结构组成

主要由叶轮、定子、主轴、轴承体、空气调节阀和槽体等构成。
Mainly consists of the impeller, stator, main shaft, bearing body, air regulator, and tank.

WORKING PRINCIPLE

工作原理

叶轮旋转时，槽内矿浆从四周经槽底由叶轮下端吸入到叶轮叶片间 同时，由鼓风机输入的低压空气经风道、空气调节阀、空心主轴进入叶轮腔的空气分配器，再通过分配器周边的孔进入叶轮叶片间。矿浆与空气在叶轮叶片间充分混合后，从叶轮上半部周边排出，排出的矿浆向斜上方运动，经安装在叶轮四周斜上方的定子稳定和定向后，分散至整个槽体。矿化气泡上升到槽体表面形成泡沫层，自流到泡沫槽；矿浆一部分返回叶轮区再循环，另一部分通过槽间壁上的流通孔进入下一个槽体继续选别。

When the impeller rotates, the pulp in the tank is sucked into the impeller blades from the bottom of the tank through the lower end of the impeller. At the same time, low-pressure air supplied by the blower enters the air distributor through the air duct, air regulator, and hollow main shaft, and then enters the impeller chamber through the air distributor. The pulp and air are fully mixed in the impeller blades and then discharged from the upper part of the impeller. The discharged pulp moves diagonally upward and is stabilized and directed by the stator installed diagonally above the impeller, dispersing throughout the tank. The mineralized bubbles rise to the surface of the tank to form a foam layer, which flows into the foam tank. Part of the pulp returns to the impeller area for recirculation, while the other part flows through the communication holes in the tank wall into the next tank for further separation.

EQUIPMENT FEATURES

设备特点

节能降耗 Energy-saving and consumption reduction 叶轮直径小，圆周速度低，功率小。 Small impeller diameter, low peripheral speed, and low power consumption.	空气分散均匀 Uniform air dispersion 能使空气预先较均匀地分布在叶轮叶片区域，提高空气分散度。 Enables pre-distribution of air more evenly in the impeller blade area, improving air dispersion.	固体悬浮效果好 Good solid suspension 叶轮的离心泵作用可让固体颗粒充分悬浮。 The centrifugal pump action of the impeller ensures full suspension of solid particles.
减少尾砂沉积 Reduced tailings sedimentation U 型槽体结构可使尾砂沉淀最少。 The U-shaped tank structure minimizes tailings sedimentation.	部件寿命长 Long component life 叶轮结构及叶片间隙流道设计合理，叶轮、定子使用寿命长。 Rational design of the impeller structure and blade gap flow channels ensures long service life for the impeller and stator.	浮选指标高 High flotation index 能使矿粒较好地悬浮，有利于提高浮选指标。 Better suspension of mineral particles is conducive to improving the flotation index.

TECHNICAL PARAMETERS

技术参数

Model	Effective Volume (m³)	Capacity (m³/min)	Impeller Diameter (mm)	Impeller Speed (r/min)	Blower Pressure (kpa)	Maximum Aeration Rate (m³/m²·min)	Agitation Power (kw)	Scraper Power (kw)	Weight of Single Tank (kg)
型号	有效容积	处理能力	叶轮直径	叶轮转速	鼓风机风压	最大充其量	搅拌功率	刮板功率	单槽重量
KYF-1	1	0.2-1	340	281	≥12.6	2	4	1.1	800
KYF-2	2	0.4-2	410	247	≥14.7	2	5.5	1.1	1400
KYF-3	3	0.6-3	480	219	≥19.8	2	7.5	1.5	1900
KYF-4	4	1.2-4	550	200	≥19.8	2	11	1.5	2200
KYF-8	8	3-8	630	175	≥21.6	2	15	1.5	4200
KYF-16	16	4-16	740	160	≥25.5	2	30	1.5	6000
KYF-24	24	6-24	800	153	≥30.4	2	37	1.5	8400

备注：KYF-1需充气，无自吸矿浆能力，需阶梯配置，可与 XCF 型配成机组
Note:Requires aeration, no self-drawing pulp capability, needs to be configured in steps, can be used in combination with the XCF type to form a unit.