



德在事先 · 利居人后

Morality goes before working Profit got later than others



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01、公司简介 Company Profile	01
02、公司荣誉 Certificate & Award	05
03、装备能力 Equipment Capacity	07
04、回转窑 Rotary Kiln	11
05、MQZ 型节能轴承式边缘传动球磨机 MQZ Energy saving Bearing Type Edge Drive Ball Mill	14
06、风扫煤磨机 Coal Mill	16
07、原料磨 Raw Mill	17
08、水泥磨 Cement Mill	18
09、冶金、选矿球磨机 Ball Mill for Metallurgy & Beneficiation	20
10、ZKRM 系列立式磨粉机 ZKRM Series Vertical Mill	23
11、CXRM 系列超细立式磨粉机 CXRM Series Superfine Vertical Mill	27
12、回转式冷却机 Rotary Cooler	29
13、回转式烘干机 Rotary Dryer	30
14、盘式成球机 Disc Granulator	31
15、ZKL 制粒机 ZKL Granulator	32
16、ZKZL 系列清洁型强力制粒机 ZKZL Series Clean Type Powerful Granulator	33
17、对辊制粒机 Double Roller Granulator	34
18、ZKH 系列清洁型强力混料机 ZKH Series Clean-Type Powerful Mixer	35
19、双轴搅拌机 Double Shaft Mixer	36
20、PF 系列反击式破碎机 PF Series Impact Crusher	37
21、PE、PEX 系列颚式破碎机 PE、PEX Series Jaw Crusher	38
22、PCH 系列环锤式破碎机 PCH Series Ring Hammer Crusher	40
23、PC 系列锤式破碎机 PC Series Hammer Crusher	41
24、皮带输送机 Belt Conveyor	42
25、FU 型埋刮板输送机 FU Scraper Conveyor	43
26、螺旋输送机 Screw Conveyor	44
27、鳞板输送机 Apron Conveyor	45
28、斗式提升机 Bucket Elevator	46
29、NE 型板链式提升机 NE Plate Chain Elevator	47
30、GZ 系列电磁振动给料机 GZ Series Electromagnetic Vibrating Feeder	48
31、ZSW 系列振动给料机 ZSW Series Vibrating Feeder	50
32、GZT 系列棒条喂料机 GZT Series Vibrating Feeder	51
33、YA 型圆振动筛 YA Series Circular Vibrating Screen	52
34、YK 系列圆振动筛 YK Series Circular Vibrating Screen	53
35、ZK 系列直线振动筛 ZK Series Linear Vibrating Screen	55
36、ZS 系列直线振动筛 ZS Series Linear Vibrating Screen	57
37、BF 型自吸搅拌式浮选机 BF Series Auto Suction Flotation Machine	58
38、XCF/KYF 型充气搅拌式浮选机 XCF/KYF Series Aeration Flotation Machine	59
39、XJ/SF 型自吸搅拌式浮选机 XJ/ SF Series Auto Suction Flotation Machine	60
40、XB 型矿用搅拌槽 XB Series Agitating Tank	61
41、FG/FC 螺旋分级机 FG/FC Spiral Classifier	62
42、燃烧器 Burner	63
43、中试生产线 Complete Pilot Plant	64
44、工程案例 Project Reference	66
45、合作客户 Customers in Cooperation	73



河南郑矿机器有限公司始建于 1956 年，是国家机械工业部和河南省机械电子工业厅指定的水泥建材和洗选设备的定点生产单位。历经 60 多年的发展，目前已成为河南省高新技术企业。公司由原来单一的机械设备生产企业，逐步发展成为集科研、设计、制造、安装、调试、保障运行于一体的拥有全过程技术的高新技术企业，净资产达 2 亿多元，具备环保、建材、矿山及冶金工艺技术及设备整套系统研发生产能力的综合公司。

公司位于郑州市西五环乔楼蔡砦工业区，厂区占地面积 8 万多平方米，厂房建筑面积 6 万余平方米，办公建筑面积 5 千余平方米。现有六个现代化车间，内设五座重型厂房，配备郑州地区最大的镗铣床、滚齿机、立车、行车等重型装备，并拥有各种制造装备 300 余台（套），具备独立完成工艺系统及大中型装备制造能力。设有工艺实验车间及检测分析中心，可实现从固废危废处理、建筑材料、冶金材料等多种工艺中试试验及数据分析，提供工艺包，对项目设计建设提供强有力的工程技术保障，为客户项目成功保驾护航。

郑州办公区位于郑州市西三环国家大学科技园内，下设国际贸易部、国内贸易部、电子商务部和工程技术中心，办公面积达 1500 多平方米。多年来，国际贸易覆盖全球 100 多个国家和地区，国内贸易涵盖全国所有省区，与众多国内外大中型企业建立了长期良好的合作关系；电子商务部将公司打造成了“河南省电子商务示范企业”；工程技术中心下设郑州市级企业技术中心和工业固废处置装备工程技术研究中心，科研人员从本科到博士、从技术员到高级工程师形成了合理的技术梯队，在众多工艺技术及装备制造领域，具备独立完成全套工艺系统及装备研发设计的总承包能力。

公司主要工艺系统产品：环保工艺：危废固废处理（污泥、页岩、铬泥、赤泥、粉煤灰、煤矸石等）、除尘及烟气净化等；建材工艺：陶粒、陶粒砂、耐材、粉体、石灰、水泥工艺等；选矿工艺：铁、铝、铜、铅锌、金、萤石、石墨等选矿；冶金工艺：金属镁生产工艺（煅白、料球、还原、精炼）；煅烧/重烧工艺：白云石、石灰石、菱镁矿、高岭土、铝土矿、糖厂纸厂滤饼等。工艺系统配套主机产品有：回转窑、球磨机、立式预热器、单筒冷却机、立式冷却器、烘干机、制粒机、给料机、除尘器、提升机、破碎机、磁选机、浮选机、分级机等行业成套机械设备。多年来，公司不仅专注于传统行业工艺及设备优化升级，更是顺应市场需求，致力于固废危废的综合性处理处置工艺及装备研发，使废物实现无害化、减量化、稳定化、资源化。工艺系统及配套产品畅销全国各个省区，远销俄罗斯、韩国、美国、加拿大、日本、英国、沙特、越南、泰国、印尼、马来西亚、尼泊尔、孟加拉国、墨西哥、哈萨克斯坦、土耳其、伊朗、危地马拉、印度、蒙古、非洲、南美洲等多个国家和地区，深受用户好评。

“德在事先，利居人后”是郑矿的核心文化理念；“及时交货，及时支付”是郑矿的工作作风；“诚信做人”是郑矿的立业之本；“精工细作”是郑矿的工作习惯；“服务至上”是郑矿永恒的追求，郑矿始终坚持“以质量求生存、凭科技谋发展”的质量方针。通过了《ISO14001: 2015 环境管理体系认证》、《ISO9001: 2015 质量管理体系认证》、《ISO45001: 2018 职业健康安全管理体系认证》、《2019 两化融合管理体系评定证书认证》、《2020 建筑业企业资质证书：环保工程专业承包叁级认证》，得到社会各界的肯定和支持，先后荣获“河南省高新技术企业”、“河南省专精特新企业”、“郑州市百家成长性民营企业”、“河南省优质产品”、“河南省名牌产品”、“河南省电子商务示范企业”、“郑州市工程技术中心”等荣誉。



郑矿人以勤奋、务实、认真、严谨的做事风格，奉行以一流的产品，完善的服务与国内外客商真诚合作，和谐双赢共发展。

Henan Zhengzhou Mining Machinery Co., Ltd (hereinafter referred to as “Henan ZK Corp”), founded in 1956, is a designated production unit of building materials and mining machinery designated by the National Ministry of Machinery Industry and Henan Provincial Department of Machinery and Electronics Industry. After more than 60 years of development, our company has gradually developed from a single mechanical equipment manufacturing enterprise into a comprehensive company with strong ability of the whole system researching and designing on process technology and equipment manufacturing in the fields of building materials, mining, metallurgy, environmental protection etc.

After more than 60 years of development, it has gradually developed from a single mechanical equipment manufacturing enterprise into a high-tech enterprise which is integrating scientific research, engineering, manufacturing, installation, commissioning and operation guarantee, with a net asset of more than US\$29 million. Now, Henan ZK Corp already has been growing up to a comprehensive company with strong ability of the whole system researching and designing on process technology and equipment manufacturing in the fields of building materials, mining, metallurgy, environmental protection etc.

The company is located in Qiaolou Caizhai Industrial Zone, West 5th Ring Road, Zhengzhou City, covering an land area of more than 80000 m², with workshop area of more than 60000m² and office area of more than 5000 m². There are 6 modern workshops, 5 heavy workshops, equipped with the largest boring and milling machine, gear hobbing machine, vertical lathe, crane and other heavy equipment in Zhengzhou area, and more than 300 sets of manufacturing equipment, with the ability to independently complete the process system and large- medium equipment manufacturing. Henan ZK Corp has its own process experimental workshop, and testing & analysis center, which can realize pilot test and data analysis for solid waste and hazardous waste treatment, building materials, metallurgical materials etc., to provide process package, provide strong engineering and technical support for project engineering and construction, and escort the success of customer’ s projects.

Henan ZK Corp Zhengzhou Office is located in the Science and Technology Park of National University, the West Third Ring Road of Zhengzhou City, which includes the Oversea Business Department, E-commerce Department, Domestic Business Department, R&D Center,

with an office area of more than 1500m². In recent years, our oversea business has been covering more than 100 countries and regions in the world, and our domestic business has been covering all provinces and regions in China. We have established long-term good cooperation with many large and medium-sized enterprises at home and abroad. Our E-commerce Department has built our company into a “Henan E-commerce Demonstration Enterprise”; Our R&D Centre includes “Zhengzhou Municipal Enterprise Technology Center” and “Industrial Solid Waste Disposal Equipment Engineering Technology Research Centre” , which already formed a reasonable technical echelon of scientific researchers from undergraduate to doctor, from technician to senior engineer. Our R&D Centre already has had the EPC contracting ability to independently complete the whole set of process system and equipment researching and designing in many process technology and equipment manufacturing fields.

Our main process system products includes:

1.Environmental protection process for:

Hazardous Solid and Waste Solid Treatment (sludge, shale, chrome mud, red mud, fly ash, coal gangue, etc.), Dedusting and Flue Gas Purification etc.;

2.Building materials process for:

Light Expanded Aggregate (LECA), Ceramsite Sand, Oil Fracturing Proppant, Refractory, Powder, Lime, Cement Production etc.;

3.Mineral processing process for:

Iron Ore, Bauxite Ore, Kaolin, Copper Ore, Lead & Zinc Ore, Gold Ore, Fluorite Ore, Graphite Ore etc.;

4.Metallurgical process for:

Metal Magnesium Production Process (Calcination, Pelletizing, Reduction, and Refining);

5.Calcination/Sintering Process for :

Dolomite, Limestone, Magnesite, Bauxite, Kaolin, Filter cake from Sugar Plant and Paper Plant etc...

Rotary kiln, ball mill, vertical preheater, single barrel cooler, vertical cooler, dryer, granulator, feeder, dust collector, bucket elevator, crusher,



公司简介

Company Profile



公司荣誉

Certificate & Award



magnetic separator, flotation machine, classifier and other complete sets of mechanical equipment.

Our main products of the process system includes:

Over the past years, we has not only focused on the optimization and upgrading of traditional industry processes and equipment, but also complied with the market demand, committed to the comprehensive treatment and disposal of solid waste and hazardous waste process and equipment research and development, so as to achieve the purpose for harmless, reduction, stability and waste recycling. Our process system and equipment products are sold well in all provinces and regions in China, and has been exported to Russia, South Korea, the United States, Canada, Japan, Britain, Saudi Arabia, Vietnam, Thailand, Indonesia, Malaysia, Nepal, Bangladesh, Mexico, Kazakhstan, Turkey, Iran, Guatemala, India, Mongolia, Africa, South America and many other countries and regions, which have been well received by our clients.

"Virtue in advance, benefit after people" is our core cultural concept; "timely delivery, timely payment" is our work style; "Honest and Reliable" is our business foundation, "Precision and excellent performance" is our working habit, "Top quality service" is our permanent pursuit. We, always adheres to the quality policy of "Survival by Quality and Development by Science and Technology". Our company had passed "ISO14001: 2015 Environmental System Certification", "ISO9001: 2015 International Quality System Certification", and "ISO45001: 2018 Occupational Health and Safety Management System Certification", "2019 Certification of Evaluation Certificate of Integration Management System of Two Modernizations", and "2020 Construction Enterprise Qualification Certificate: Grade III Certification of Environmental Protection Engineering Professional Contracting". Our company has obtained more than 30 independent patent technologies, and has been affirmed and supported by all sectors of society. We have been recognized and supported by all sectors of the society, and have successively won the titles of "High Tech Enterprise of Henan Province ", "Specialized & Innovative Enterprise Certificate", "One Hundred Growing Private Enterprises of Zhengzhou City ", "High Quality Products of Henan Province", "Famous Brand Products of Henan Province", "E-commerce Demonstration Enterprise of Henan Province" and "Zhengzhou Technology Center" and other honors. With the style of "Diligence, Pragmatism, Conscientiousness and Preciseness", Our ZK person adheres to "Sincere cooperation, First-class products and Perfect services", so as to achieve harmonious, win-win and common development with our clients from home and abroad.



CE 认证
CE Certification



质量管理体系认证证书
Quality Management System Certification



职业健康安全管理体系认证证书
Occupational Health & Safty Management System Certification



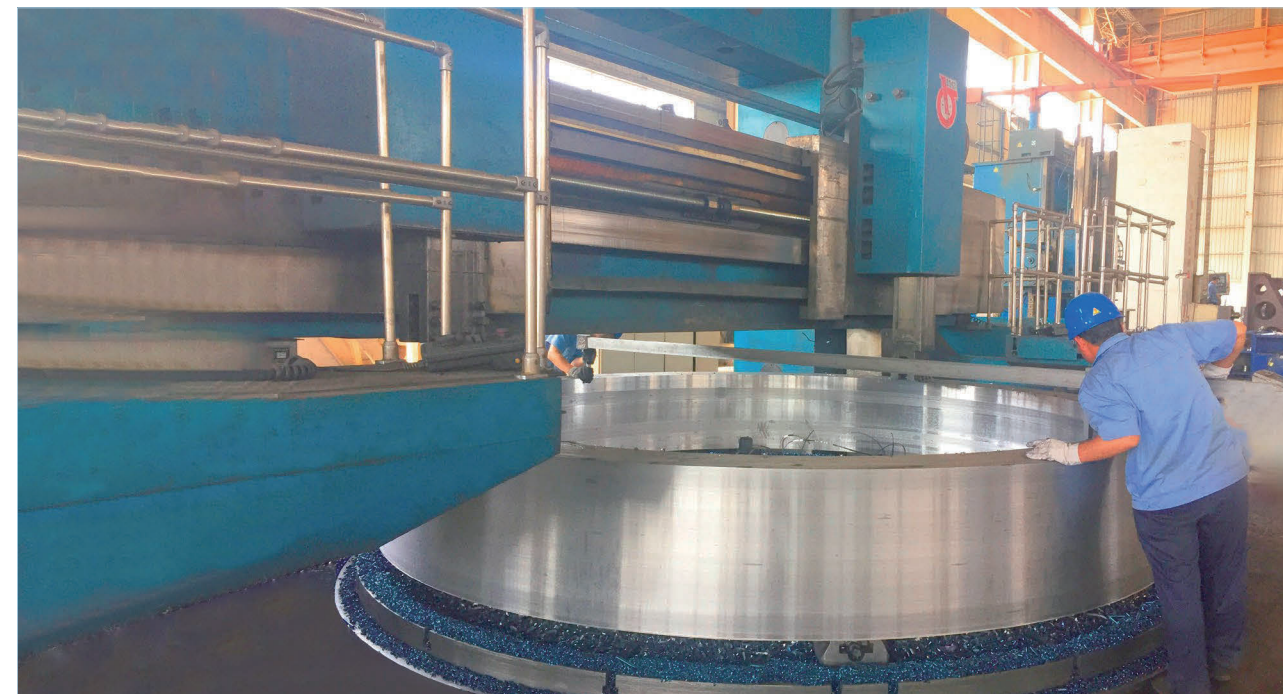
环境管理体系认证证书
Environmental Management System Certification



“专精特新”企业证书
"Specialized & Innovative" Enterprise Certificate



高新技术企业证书
High & New Technological Enterprise Certificate



加工设备 - 立车 /Processing Equipment - Vertical Lathe

编号：41-2019-166

河南名牌

授予

河南郑矿机器有限公司生产的郑矿机器牌回转窑“河南省名牌产品”称号，有效期三年。

河南省名牌战略推进委员会
二〇一九年十二月

河南省名牌产品认证
Famous Brand Certificate issued by Henan Province

编号：41-2019-164

河南名牌

授予

河南郑矿机器有限公司生产的郑矿机器牌球磨机“河南省名牌产品”称号，有效期三年。

河南省名牌战略推进委员会
二〇一九年十二月

河南省名牌产品认证
Famous Brand Certificate issued by Henan Province



加工设备 - 重型装配车间 /Processing Equipment-Heavy Assembly Workshop



加工设备 - 滚齿机 / Processing Equipment - Gear Hobbing Machine



加工设备 - 重型数控卷板机 / Processing Equipment - Heavy CNC Plate Bending Machine



加工设备 - 铣镗车 / Processing Equipment - Milling Truck



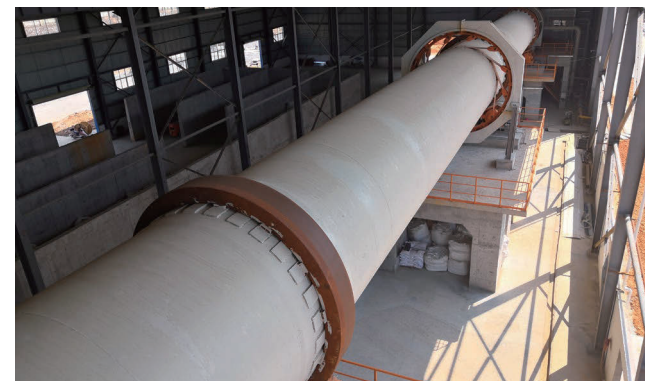
加工设备 - Voc 喷漆房 / Processing Equipment - Voc Painting Room



制造过程检验 /Manufacturing Process Inspection



制造过程检验 /Manufacturing Process Inspection



公司可生产直径 $\Phi 1-\Phi 6\text{m}$ 的窑型，广泛应用于冶金、建材、化工、耐材、陶粒、造纸、新材料、新能源等行业。该类窑的支撑分为滚动和滑动两种型式，传动可采用直流或交流变频调速，备有多种形式的密封以适应不同工况。公司可根据用户的特殊要求设计各类非标窑。

回转窑由筒体、传动装置、托、挡轮支撑装置、窑衬、窑尾密封、窑头罩及燃烧装置等部分组成。

窑筒体是受热的回转部件，采用优质碳素钢板卷焊制成，筒体通过轮带支撑在支撑装置上，并在其中一挡或几挡支撑装置上设有机械或液压挡轮，以控制筒体的轴向窜动；传动装置通过设在筒体中部的齿圈使筒体按工艺要求的转速回转；由于安装和维修的需要，较大的窑设有使窑体以很低转速回转的辅助传动装置；为防止冷空气进入和烟气粉尘溢出筒体，在筒体的进料端和出料端设有可靠的窑尾和窑头密封装置。

产品用途：

回转窑是对散状或浆状物料进行加热处理的热工设备，广泛应用于水泥建材、有色冶金、活性石灰、黑色冶金、耐火材料、化工原料和造纸领域。

产品特点

- 1、支撑装置：采用先进的主轴结构，设置有自动测温装置和电加热装置。
- 2、挡轮装置：分为机械挡轮和液压推力挡轮两类，其中液压挡轮装置配有先进的液压控制系统。
- 3、传动装置：配单传动或双传动。调速电机、直流电机或变频调速电机控制转速，运转可靠，节能高效。
- 4、筒体轮带垫板：轮带下垫板有固定式和可调式，其中可调式轮带垫板具有结构简单，维护更换方便，拆换不伤筒体等特点。
- 5、密封装置：根据窑型的不同设计有多种密封形式供选择。气缸压紧端面密封、弹簧压紧端面密封、重锤石墨块密封、弹簧石墨块密封、鱼鳞片迷宫密封、轴向迷宫密封以及上述形式组合密封等，其特点是对筒体窜动和摆动的适应能力强，密封效果好。
- 6、窑头罩：分固定式和活动式两种。

The company can produce rotary kiln with diameter $\Phi 1-\Phi 6\text{m}$, which is widely used in metallurgy, steel, chemical, refractory, ceramicsite, papermaking,new materials, new energy and other industries.The support of this kind of kiln is divided into rolling and sliding types. The drive can adopt DC or AC frequency conversion speed regulation, and there are various forms of seals to adapt to different working conditions. The company can design various non-standard rotary kilns according to the special requirements of users.

Rotary kiln is composed of shell, drive device, support and thrust roller, kiln lining, kiln inlet sealing kiln, head hood and burning device etc. Shell is the heated rotation part, which is welded by high quality carbon steel plate. It is mounted on supporting device through tyre. Mechanical or hydraulic thrust roller is equipped on supporting device. So it will control shell slide in axial direction. Driving device makes shell rotate through gear according to required revolving rate. Big size kiln has auxiliary drive to make shell rotate at low speed for kiln installation and maintenance. In order to prevent cooling air into kiln and dust come out kiln, there is sealing device at kiln inlet and output end.

Application:

Rotary Kiln is a kind of thermal equipment calcines lump, bulk and slurry materials. It is widely used in cement & construction, non-ferrous metals, lime, ferrous metals, refractory materials, industrial chemicals, paper making industries etc.

Features & Advantages

1. Supporting Device: It adopts advanced main shaft structure, automatic temperature measuring device and electrical heating device.
2. Thrust roller: It has mechanical type and hydraulic type. The hydraulic thrust roller is equipped with advanced hydraulic controlling system.
3. Drive device: It has single drive or double drive. The adjustable-speed motor, DC motor or frequency variable motor control kiln rotation speed. And has features of reliable running and high efficiency.
4. Tyre shim: The shim under tyre has fixed type and adjustable type. The adjustable shim has features of simple structure, easy replacement and maintenance without any damage to shell.
5. Sealing device: Various types of sealing device are available for different kiln, such as cylinder tighten sealing, spring tighten sealing, graphite block sealing, spring graphite, fish scale type seal etc, which has good sealing effect.
6. Kiln head hood: It has fixed type and flexible type.

回转窑主要技术参数 Main Technical Parameters

序号 No.	规格 Model	产量 Capacity (t/h)	转速 Revolving Speed (rpm)	支座数 Qty Of Support	减速机 Reducer	电动机 Motor	功率 Power (kW)
					型号 Model	型号 Model	
1	Φ1.6x32m	2	0.58-2.85	3 组	ZQ75-50	YCT250-4A	18.5
2	Φ1.6/1.9x36m	2.5-3	0.53-1.59	3 组	ZQ110-7	YCT250-4B	22
3	Φ1.9x39m	3-3.4	0.53-1.59	3 组	ZQ125-7	YCT315-4A	37
4	Φ2.2x45m	4-5	0.214-1.64	3 组	主 Host ZS125-5 辅 Assist ZQ40-40	主 Host YCT315-4B 辅 Assist Y112M-4	45 4
5	Φ2.5x40m	6.3	0.62-1.5	3 组	主 Host ZS165-5 辅 Assist ZS50-1	主 Host YCT355-4A 辅 Assist Y160M-6	55 7.5
6	Φ2.5x50m	5-6	0.62-1.5	3 组	主 Host ZS165-5 辅 Assist ZS50-1	主 Host YCT355-4A 辅 Assist Y160M-6	55 7.5
7	Φ2.5x55m	5-6	0.62-1.5	3 组	主 Host ZS165-5 辅 Assist ZS50-1	主 Host YCT355-4A 辅 Assist Y160M-6	55 7.5
8	Φ2.7x42m	13	0.6-2.3	3 组	主 Host ZS145-3-1 辅 Assist ZL50-16-2	主 Host YCT355-4A 辅 assist XH195 柴油机 diesel	55 11
9	Φ2.7x44m	13	0.74-2.21	3 组	主 Host ZSY355-50-1 辅 Assist ZSY160-40-2	主 Host YCT355-4A 辅 assist XH195 柴油机 diesel	55 11
10	Φ2.8x42m	14	0.5-2.503	3 组	主 Host ZSY355-50-1 辅 Assist ZSY160-40-2	主 Host Z2-101TH 辅 Assist Y160M-6	55 7.5
11	Φ2.8x43m	8.3	0.62-1.5	3 组	主 Host ZS165-6 辅 Assist ZS50-1	主 Host YCT355-4B 辅 Assist Y160L-6	75 11
12	Φ2.8x55m	6-7	0.62-1.5	3 组	主 Host ZS165-6 辅 Assist ZS50-1	主 Host YCT355-4B 辅 Assist Y160L-6	75 11
13	Φ3x48m	8-9	0.67-3.76	3 组	主 Host NZZL130-15-1 辅 Assist ZL50-10-2	主 Host ZSN4-280-091B 辅 Assist YCT250-4A	110 18.5
14	Φ3.0x50m	9.2	0.5-1.5	3 组	主 Host ZS165-3 辅 Assist ZS50-1	主 Host ZSN4-280-11B 辅 Assist Y160L-6	125 11
15	Φ3x60m	7-9	0.5-1.5	4 组	主 Host ZS165-3 辅 Assist ZS50-1	主 Host ZSN-280-11B 辅 Assist Y160L-6	125 11
16	Φ3x88m	12.5	0.444-1.345	5 组	主 Host ZS199-5-44 辅 Assist ZL50-8-2	主 Host ZSN4-280-091B 辅 Assist Y160L-6	110 11
17	Φ3x100m	11-13.5	0.47-1.48	5 组	主 Host ZSY500-56-AL 辅 Assist ZL50-14-2	主 Host ZSN4-250-21B 辅 Assist Y160M-4	90 11
18	Φ3.2x48m	11-12	0.788-3.88	3 组	主 Host NZS995-40VIBL 辅 Assist NZS352-40IL	主 Host ZSN-280-11B 辅 Assist Y160L-6	125 11
19	Φ3.2 x 50m	12.5	0.4-1.5	3 组	主 Host ZL130-16 辅 Assist ZL50-10	主 Host ZSN4-280-11B 辅 Assist Y180L-4	125 22
20	Φ3.2x64m	8-10	0.4-1.5	4 组	主 Host ZL130-16 辅 Assist ZL50-10	主 Host ZSN-280-11B 辅 Assist Y180L-4	190 22

回转窑主要技术参数 Main Technical Parameters

序号 No.	规格 Model	产量 Capacity (t/h)	转速 Revolving Speed (rpm)	支座数 Qty Of Support	减速机 Reducer	电动机 Motor	功率 Power (kW)
					型号 Model	型号 Model	
21	Φ3.2x118m	17	0.292-1.459	6 组	主 Host JH500C-SW-71 辅 Assist ZL50-8-1	主 Host Z4-250-31 辅 Assist Y160L-6	110 11
22	Φ3.3x50m	13	0.36-3.57	3 组	主 Host ZSY450-40-VI 辅 Assist ZL50-14-I	主 Host ZSN4-280-091B 辅 Assist Y160M-4	160 11
23	Φ3.3x52m	13	0.67-3.43	3 组	主 Host NZS995-45VBL 辅 Assist ZL50-10-I	主 Host ZSN4-280-21B 辅 Assist Y160L-6(1100)	160 11(15HP)
24	Φ3.3x54m	14	0.92-2.74	3 组	主 Host NZS995-45VBL 辅 Assist ZL42.5-10-2	主 Host ZSN4-280-11B 辅 Assist Y160L-6	125 11
25	Φ3.5x54m	14-16	0.55-3.5	3 组	主 Host ZSY500-40-V 辅 Assist ZSY180-31.5-2	主 Host ZSN4-315-092 辅 Assist Y200L-6	220 18.5
26	Φ3.5/3x60m	14-16	0.39-1.95	4 组	主 Host JH500C-SW-56 辅 Assist ZL50-10-2	主 Host YTSP315M2-6 辅 Assist Y160L-6	110 11
27	Φ3.5x70m	15-17	0.4-1.5	4 组	主 Host ZSY500-40 辅 Assist ZL50-14	主 Host ZSN-315-082 辅 Assist Y180L-4	280 22
28	Φ3.5x125m	21.8	0.281-1.406	5 组	主 Host ZS165-4-1/2 辅 Assist ZL50-8-1/2	主 Host ZSN4-250-21B 辅 Assist Y160L-6	2x90 2X11
29	Φ3.5x130m	22	0.439-1.379	5 组	主 Host ZS165-3-1/2 辅 Assist ZL35-14-1/2	主 Host Z2-102 辅 Assist Y132S-4	2x90 2x5.5
30	Φ3.5x145m	25	0.345-1.379	6 组	主 Host ZS165-3-1/2 辅 Assist ZL35-14-1/2	主 Host ZSN4-250-21B 辅 Assist Y132S-4	2x90 2x5.5
31	Φ3.6x55m	16-18	0.4-1.5	3 组	主 Host ZSY500-40 辅 Assist ZSY180-31.5	主 Host ZSN-315-072 辅 Assist Y180L-4	250 22
32	Φ3.6x74m	20.5	0.222-1.666	4 组	主 Host JH560C-SW-90 辅 Assist ZL50-17-1	主 Host YTSP315M1-4 辅 Assist Y160M-4	132 11
33	Φ3.8x58m	20.8	0.4-1.5	3 组	主 Host ZSY500-40 辅 Assist ZL50-14	主 Host ZSN-315-072 辅 Assist Y180L-4	250 22
34	Φ3.95x56m	21-23	0.6-3.3	3 组	主 Host ZSY500-40VI 辅 Assist ZL50-14-I	主 Host ZSN4-315-072 辅 Assist Y160L-4	250 15
35	Φ4.0x60m	25	0.4-1.5	3 组	主 Host ZSY630-35.5 辅 Assist ZL65-16	主 Host ZSN4-355-092 辅 Assist Y200L-4	315 30
36	Φ4x80m	16-20	0.4-1.5	4 组	主 Host ZSY630-35.5 辅 Assist ZSY280-35.5	主 Host ZSN-315-12 辅 Assist Y200L-4	355 30
37	Φ4/3.5x150m	30.42	0.343-1.714	6 组	主 Host JH560C-SW-56-1/2 辅 Assist ZL50-10-1/2	主 Host ZSN4-280-11B 辅 Assist Y160L-6	2X125 2X11
38	Φ4 x 150m	33.3	0.509-1.528	6 组	主 Host JH560C-SW-63-1/2 辅 Assist ZL60-12-1/2	主 Host ZSN4-280-11B 辅 Assist Y160L-6	2X125 2X11
39	Φ4x150m	30-34	0.402-1.587	6 组	主 Host JH800C-SW-90 辅 Assist JH280-SW-40	主 Host ZSN4-355-092 辅 Assist Y200L-4	280 30
40	Φ4.7x72m	35-38	0.35-3.5	3 组	主 Host ZSY710-28-V 辅 Assist ZL60-7-2	主 Host Z4-400-32 辅 Assist Y200L-4	550 30

MQZ 型节能轴承式边缘传动球磨机

MQZ Energy Saving Bearing Type Edge Drive Ball Mill



MQZ 型节能轴承式边缘传动球磨机

MQZ Energy Saving Bearing Type Edge Drive Ball Mill



该系列球磨机广泛用于选矿、化工、煤、耐火材料等行业。

轴承式边缘传动球磨机属技改型，与传统球磨机比较：降低工作电流 15%，降低启动电流 50%，根据巴氏合金烧损，停机，停产现象，改善球磨机同心度不够，运行不稳，电流忽高忽低、磨损中空轴严重现象。采用滚动轴承后，中空轴可继续使用，节省润滑油 90%，提高装载量 20%，提高产量 15%，提速 10%，每台时省电 20-30%。

This series ball mill is widely used in ore dressing, chemical, coal, refractory industries.

The bearing type edge drive ball mill has been technology upgraded. Compared with traditional type, it reduces working electric current 15%, and reduces starting electric current 50%. It has greatly improved the faults of concentricity, running unstable, current fluctuated etc. After using roller bearing, the hollow shaft can also work and save lubricant 90%, increase ball loading 20%, increase capacity 15%, speed up 10% and save electricity 20- 30%.

MQZ 型节能轴承式边缘传动球磨机主要技术参数 Main Technical Parameters

型号规格 Model	筒体尺寸 Shell Size (m)	转速 Revolving Speed (r/min)	装球量 Ball Loading (t)	给矿粒度 Feeding Size (mm)	排矿粒度 Discharge Size (mm)	产量 Capacity (t/h)	功率 Power (kW)	重量 Weight (t)
MQZ1224	1.2x2.4	31.00	4.80	0-20	0.074-0.6	0.4-6.8	37.00	13.43
MQZ1245	1.2x4.5	31.00	5.20	0-20	0.074-0.6	1.6-12	45.00	17.40
MQZ1530	1.5x3.0	27.50	8.10	0-25	0.074-0.4	2.9-16.5	65.00	18.60
MQZ1557	1.5x5.7	29.20	15.00	0-25	0.074-0.4	4-25	95.00	24.54
MQZ1645	1.6x4.5	27.50	14.00	0-25	0.074-0.4	4-24	95.00	26.00
MQZ1836	1.8x3.6	23.90	11.00	0-25	0.074-0.4	8-40	132.00	33.00
MQZ1864	1.8x6.4	23.90	18.50	0-25	0.074-0.4	8-60	155.00	35.60
MQZ2130	2.1x3.0	23.80	19.80	0-25	0.074-0.4	6.5-36	155.00	45.00
MQZ2136	2.1x3.6	23.80	27.00	0-25	0.074-0.4	8-61	155.00	46.80
MQZ2265	2.2x6.5	21.60	28.00	0-25	0.074-0.4	8-35	210.00	62.00
MQZ2430	2.4x3.0	22.00	22.50	0-25	0.074-0.4	7-92	210.00	67.00
MQZ2436	2.4x3.6	22.00	28.00	0-25	0.074-0.4	7-95	210.00	73.00
MQZ2465	2.4x6.5	22.00	36.00	0-25	0.074-0.4	7-110	260.00	76.00
MQZ2736	2.7x3.6	21.90	39.00	0-25	0.074-0.4	13-140	310.00	77.00
MQZ2745	2.7x4.5	21.90	43.00	0-25	0.074-0.4	13-150	320.00	91.00
MQZ2836	2.8x3.6	20.00	42.00	0-25	0.074-0.4	15-140	310.00	94.20
MQZ3060	3.0x6.0	19.00	70.00	0-25	0.074-0.4	100-145	630.00	155.00
MQZ3245	3.2x4.5	18.60	65.00	0-25	0.074-0.4	100-145	630.00	126.00
MQZ3260	3.2x6.0	18.60	86.00	0-25	0.074-0.4	120-150	800.00	176.00
MQZ3645	3.6x4.5	17.80	90.00	0-25	0.074-0.4	120-220	1000.00	159.70
MQZ3660	3.6x6.0	17.80	120.00	0-25	0.074-0.4	50-230	1250.00	189.00

MQYZ 型节能溢流型轴承传动球磨机主要技术参数 Main Technical Parameters

型号规格 Model	筒体直径 Shell Diameter (mm)	筒体长度 Shell Length (mm)	装球量 Ball Loading (t)	转速 Revolving Speed (r/min)	功率 Power (kW)	排矿粒度 Discharge Size (mm)	产量 Capacity (t/h)	重量 Weight (t)
MQYZ1530	1500	3000	8.60	22.5-29.8	≤65	0.3-0.074	2.8-6.0	16.20
MQYZ2130	2100	3000	17.60	19.0-25.2	≤155	0.3-0.074	5.8-12.6	43.50
MQYZ2136	2100	3600	21.00	19.0-25.2	≤155	0.3-0.074	6.0-12.8	47.00
MQYZ2424	2400	2400	18.80	17.8-23.5	≤210	0.3-0.074	6.2-13.2	44.00
MQYZ2430	2400	3000	23.00	17.8-23.5	≤210	0.3-0.074	7.8-16.6	46.50
MQYZ2736	2700	3600	35.00	16.8-22.2	≤310	0.3-0.074	11.7-25.0	70.00
MQYZ2740	2700	4000	38.00	16.8-22.2	≤310	0.3-0.074	13.0-27.7	79.00
MQYZ3245	3200	4500	61.00	15.5-20.4	≤630	0.3-0.074	21.6-44.0	113.00
MQYZ3254	3200	5400	73.00	15.5-20.4	≤800	0.3-0.074	25.9-52.8	121.00
MQYZ3260	3200	6000	86.00	15.5-20.4	≤800	0.3-0.074	24.3-55.6	129.00
MQYZ3645	3600	4500	76.00	14.5-19.2	≤800	0.3-0.074	24.3-55.6	135.00
MQYZ3650	3600	5000	86.00	14.5-19.2	≤1000	0.3-0.074	28.1-67.0	145.00
MQYZ3660	3600	6000	102.00	14.5-19.2	≤1250	0.3-0.074	32.4-74.1	154.00

风扫煤磨机

Coal Mill



原料磨

Raw Mill



风扫磨适用于磨碎煤粉。在工业炉窑、回转窑采用煤粉作燃料时，要求煤粉细度 85% 以上通过 200 目网筛，水份低于 2%，风扫磨是既能磨细又能够烘干的理想煤粉加工设备。

Coal mill is used for grinding coal. As fuel for furnace and rotary kiln, pulverized coal powder requires more than 85% passing through 200 mesh and less than 2% moisture. Coal mill is ideal equipment for both grinding and drying.

风扫磨煤机主要技术参数 Main Technical Parameters

规格 Model (mm)	研磨体装量 Ball Loading (t)	筒体转速 Revolving Speed (r/min)	生产能力 Capacity (t/h)	电动机 Motor			外型尺寸 (长 x 宽 x 高) Overall Dimension (LxWxH) (mm)	重量 Weight (t)
				型号 Model	功率 Power (kW)	电压 Voltage (V)		
Φ1200×2400	4.8	32	1.4-2	YE3-280M-8	45	380	6520×2850×2540	11.2
Φ1500×3000	6.5	28.8	2-3	YE3-315L1-8	90	380	7604×2630×2698	19.7
Φ1700×2500	7.5	24.5	3-5	YE3-315M-6	90	380	6768×3630×3368	23
Φ2200×3000	13	22	5-6	YE3-355L1-8	185	380	8430×4463×3840	33.5
Φ2200×4400	20	22	8-9	YE3-3552-8	250	380	9772×4456×3840	41
Φ2200×5800	27	22	8-10	YE3-3553-8	280	380	11060×4480×3950	46.8
Φ2400×4750	22	20.4	10-12	YE3-3553-8	280	380	10230×5158×4533	49.2
Φ2400×(4000+2000)	19	20.4	10-11	YE3-3552-8	250	380	11380×5158×4533	56
Φ2400×(4500+2000)	21	20.4	10-12	YE3-3553-8	280	380	11880×5158×4533	59.6
Φ2500×3900	22	20.8	14	YR355L-8	280	380	9560×5030×4431	46
Φ2600×(5250+2250)	32	19.7	9-10	YR5004-8	400	10000	16500×6280×4660	74.3
Φ2800×(5000+3000)	38	19.2	13-13.5	YR5006-8	500	10000	17320×6360×4750	86.2
Φ2900×4700	39	18.6	16	YR5601-8	560	10000	11350×6420×4830	81



原料磨主要应用于水泥厂原料的粉磨，也适用于冶金、化工、电力等工矿企业粉磨各种矿石及其它可磨性物料。可用于开流粉磨，也适用于与选粉机组成的循环闭路粉磨。原料磨具有对物料适应性强、能连续生产、破碎比大、易于调整粉磨产品的细度等特点。

Raw mill is mainly used for grinding raw materials in cement plant and is also suitable for grinding mineral ore and other materials in metallurgy, chemical, power plant. It can work in open circuit or closed circuit with separator. Raw mill has features of various materials application, continuous running, big grinding rate, easy control of product fineness.

原料磨主要技术参数 Main Technical Parameters

规格 Model	产量 Capacity (t/h)	转速 Revolving Speed (r/min)	研磨体 Ball Loading (t)	电机 Motor		减速机 reducer		重量 Weight (t)
				型号 Model	功率 Power (kW)	型号 Model	速比 Ratio	
Φ1.2x4.5	1.7	30.3	5	YR250M-6	55	ZD30-8	4.481	13.1
Φ1.5x5.7	4.5	26.34	11	JR127-8	130	ZD40-7	4	25
Φ1.83x6.4	8.5	23.9	18	JR137-8	210	ZD60-8	4.5	35.3
Φ1.83x7	11	24.5	20	JR138-8	245	ZD60-8	4.5	37.2
Φ2.2x6.5	16	21.4	28	JR138-8A	280	ZD70-9	5	48.5
Φ2.2x7.5	16-21	21.4	32	JR158-8	380	ZD70-9	5	53.6
Φ2.4x7	17-19	20.4	36	JR158-8	380	JD560	6.33	78
Φ2.4x8	24-26	20.3	41	JR150-8/Y180L-8	475/11	JD630	6.33	82.3
Φ2.4x12	35-38	20	62	YR800-8/1180/Y180L-8	800/11	JD800/ZD82.5-7-I	6.33/99.96	120.3
Φ2.4x13	35-38	19.4	69	YR800-8	800	JDX800/MBY800	6.33	
Φ2.6x13	50-55	19.5	83	YR1000-8/1180	1000	JDX800/MBY800	4.5	
Φ2.8x5+3	36-47.8	18.6	56	YR500-8	500	ZDH80	4.5	
Φ2.8x10	40-48	19.7	70	YR800-8/1180	800	D110A	37.5	
Φ3x9	28-32/50-55	18.34	78	YR1000-8/1180/Y160M-4	1000/11	NZL1080/ZS110	8/280	160
Φ3x11	45-48	18.7	91	YR800-8/1180	800	ZD100A-41	6.43	
Φ3x12	55-58	18	100	YR1250-8/1430	1250	JS110-A	41.1	
Φ3.2x9	65	17.6	88	YR1250-8/1430	1250	JS110-A	41.28	189.5
Φ3.2x10	55	17.6	98	YR1000-8/1180	1000	JS110	41.5	
Φ3.5x10	73	16.8	118	YR1250-8	1250	JS110-A		153.7(不含电机)
Φ3.6x7.5+2.5	90	17.3	125	YRKK710-8	1400	JDX900	7.1	220
Φ3.8x7.5	85	16.4	103	YRKK710-8/Y200L2-6	1400/22	NBY800/YNS620-90	5.6/90	182
Φ3.8x7.5	90	17	103	YR710-8	1600	JDX900		218(不含电机)
Φ4.6x10+3.5	210	15	278	YRKK1000-8	3550	JQS3500		358(不含电机)



水泥磨主要应用于水泥厂成品的粉磨，也适用于冶金、化工、电力等工矿企业粉磨各种矿石及其它可磨性物料。可用于开路粉磨，也适用于与选粉机组成的循环闭路粉磨。水泥磨具有对物料适应性强、能连续生产、破碎比大等特点。

Cement mill is mainly used for grinding clinker and mixing materials in cement plant. It can also be used for grinding mineral ore and other materials in metallurgy, chemical, power plant. It can grind material in open circuit or closed circuit with separator. Cement mill has features of various material application, continuous running and big grinding rate.

水泥磨主要技术参数 Main Technical Parameters

规格 Model (m)	产量 Capacity (t/h)	转速 Revoling Speed (r/min)	研磨体 Ball Loading (t)	电机 Motor		减速机 reducer		重量 Weight
				型号 Model	功率 Power (kW)	型号 Model	速比 Rotio	
Φ1.2x4.5	1.40	30.30	5	YR250M-6	55	ZD30-8	4.481	13.10
Φ1.5x5.7	3.50	26.34	11	JR127-8	130	ZD40-7	4.00	25.00
Φ1.83x6.4	6.00	23.90	18	JR137-8	210	ZD60-8	4.50	35.30
Φ1.83x7	6.50	24.50	20	JR138-8	245	ZD60-8	4.50	37.20
Φ2x9	9.5-10	23.88	31	JR158-8	380	ZD70-8	4.50	58.40
Φ2.2x6.5	8-9	21.40	30	JRQ158-8/YR630-8	380	ZD70-9	5.00	46.20
Φ2.2x6.5	14 闭路	21.40	30	JRQ158-8/YR630-8	380	ZD70-9	5.00	46.20
Φ2.2x7	12	21.40	30	JR158-8	380	ZD70-9	5.00	54.00
Φ2.2x7.5	13	21.40	32	JR158-8	380	ZD70-9	5.00	63.00
Φ2.2x8	11-12	21.40	37	JR158-8	380	ZD70-9	5.00	65.00
Φ2.2x9.5	14-16 闭路	21.40	43	JR1510-8	475	ZD70-9	5.00	70.00
Φ2.2x13	16	20.30	55	YR630-8/1180/Y100L-8	630/11	JD630/ZS82.5-7	6.3/99.96	114.40
Φ2.4x7	14-16 闭路	20.40	36	JR1510-8	475	JDX450	5.00	67.90
Φ2.4x8	16-17 闭路	20.30	41	JR1512-8/Y180L-8	570/11	JD630/ZS82.5-7	6.333/99.96	87.20
Φ2.4x9	17-19 闭路	20.30	46	YR630-8/1180/Y100L-8	630/11	JD630/ZS82.5-7	6.333/99.96	93.50
Φ2.4x10	18-19 开路 20-22 闭路	20.30	50	YR630-8/1180/Y100L-8	630/11	JD630/ZS82.5-7	6.333/99.96	99.40
Φ2.4x11	19-21 开路	20.30	60	YR630-8/1180/Y100L-8	630/11	JD630/ZS82.5-7	6.333/99.96	99.40
Φ2.4x12	25-27 闭路	20.30	61	YR800-8/1180/Y100L-8	800/11	JD630/ZS82.5-7	6.333/99.96	112.70
Φ2.4x13	25-27 高细开路	20.30	66	YR800-8/1180/Y100L-8	800/11	JD630/ZS82.5-7	6.333/99.96	131.10
Φ2.4x13	21-23 开路	20.30	66	YR1000-8/1180/Y160M-4	1000/11	JD630/ZS82.5-7	6.333/99.96	130.40
Φ2.6x10	25-27 闭路	20.30	60	YR800-8/1250	800	JD800	5.50	150.50
Φ2.6x13	27-29	19.10	80	YR1000-8/1180/Y160M-4	1000/11		5.5/280	169.00
Φ3x9	33-34 闭路	19.60	79	YR1000-8/1180/Y160M-4	1000/11	NAL108/8/ZS110-19	8/280	156.50
Φ3x9	36.5 闭路	17.60	79	YR118/61-8	1000	2x1250	42.163	121.13 不含电机
Φ3x11	35-40 闭路	18.30	97	YR1250-8/1430/YR160M-4	1250/11	YNL1210	6.30	178.00
Φ3x11	47 闭路	17.70	97	YR118/74-8	1250	ZI314	42.39	169.00
Φ3x12	38-40 闭路	18.10	90	YR1250-8/1430	1250/11	JS1100-00	41.27	196.26
Φ3.2x11	40 闭路	18.00	103	YR1400-8/1430/Y160M-4	1400/11	YNL1210/ZS110-19	12.35/28	186.1 不含电机
Φ3.5x11.5	65-70 闭路	16.50	129	TYD143/49-8	2000	ZI370	36.239	138.3 不含电机
Φ3.5x11.5	50 闭路	17.20	126	YR1800-8/1430/Y200L2-2	1800/37		43.02/318	252.27
Φ3.8x13 双滑履	70-75 闭路	16.60	170	YRKK800-8	2500	JS130/MFY250	44.90	203 不含电机
Φ3.8x13	60-62	16.30	170	YR2500-10/1730	2500	MFYX250		286.00
Φ4x13	65 闭路	15.95	202	YRKK900-8	2800	JS130-8	46.70	264.00
Φ4.2x13	85 闭路	16.30	224	YRKK900-8	3150	MFY320	47.80	250 不含电机
Φ4.2x13	85-87	16.30	224	YR1000-8	3530	JQS3550	15.60	254 不含电机



Structure feature of ball mill:

This machine is composed of feeding part, discharge part, rotating part, transmission part (reducer, pinion, motor, electric cabinet), etc. Hollow shaft use casting steel and lining is replaceable. Big gear use gear hobbled casting steel and wearable liners inside. Running performance of this machine is steady and reliable.

Note: Dry type ball mill or wet grate type ball mill will be selected according to different material and different discharge method.

球磨机结构特点：

本机由给料部、出料部、回转部、传动部（减速机、小齿轮、电机、电控）等部分组成。中空轴采用铸钢件，内衬可拆换，回转大齿轮采用铸件滚齿加工，筒体内镶有耐磨衬板，具有良好的耐磨性。本机运转平稳，工作可靠。

注：根据物料及排矿方式，可选择干式球磨机和湿式格子型球磨机。

冶金、选矿球磨机主要技术参数 Main Technical Parameters

规格型号 Model	筒体转速 Rev. Speed (r/min)	装球量 Ball Load (t)	进料粒度 Feed Size (mm)	出料粒度 Discharge Size (mm)	产量 Capacity (t/h)	电机功率 Power (kW)	重量 Weight (t)	备注 Remark
Φ750x750	40.56	0.50	≤20	0.074-0.3	0.18-0.5	15	2.774	节能型 Energy Saving Type
Φ750x1060	49.60	0.60	0-12	0.074-0.4	0.14-0.34	4	3.20	节能型 Energy Saving Type
Φ750x1800	49.60	0.10	0-12	0.074-0.5	0.55-1.11	7.5	3.80	节能型 Energy Saving Type
Φ900x900	40.00	0.67	≤60	0.074-0.6	0.23-0.74	22	4.20	节能型 Energy Saving Type
Φ900x900	39.00	0.70	≤40	0.074-0.6	0.3-1.2	7.5	4.50	湿式格子 Wet Lattice
Φ900x900	39.00	0.70	≤40	0.074-0.6	0.3-1.1	7.5	4.60	湿式溢流 Wet Overflow
Φ900x1200	38.00	0.30	≤40	0.074-0.6	0.2	5.5	4.80	干式 Dry Type
Φ900x1800	40.00	1.60	≤60	0.074-0.89	0.58-2	30	4.60	节能型 Energy Saving Type
Φ900x1800	39.00	0.85	≤40	0.074-0.89	0.6-2.1	15	5.20	湿式格子 Wet Lattice
Φ900x1800	39.00	0.85	≤40	0.074-0.89	0.5-2	15	4.80	湿式溢流 Wet Overflow
Φ900x2100	41.00	1.70	0-15	0.074-0.89	0.69-1.3	15	5.40	节能型 Energy Saving Type
Φ900x2100	37.00	1.73	≤15	0.074-0.89	0.4-2	18.5	5.60	干式格子 Dry Lattice
Φ900x2400	39.00	2.10	≤40	0.074-0.89	0.7-2.8	18.5	6.10	湿式格子 Wet Lattice
Φ900x2400	39.00	2.10	≤40	0.074-0.89	0.6-2.5	18.5	6.00	湿式溢流 Wet Overflow
Φ900x3000	36.00	2.70	≤20	0.074-0.89	1.1-3.5	22	6.80	干式 Dry Type
Φ900x3000	39.00	5.80	≤25	0.075-0.89	0.8-3.1	22	7.10	湿式格子 Wet Lattice
Φ900x3000	39.00	5.80	≤25	0.075-0.89	0.7-2.8	22	7.10	湿式溢流 Wet Overflow
Φ1200x1200	34.00	5.00	≤25	0.075-0.89	0.3-3	18.5	8.30	湿式格子 Wet Lattice
Φ1200x1200	34.00	5.00	≤25	0.075-0.89	0.3-2.5	18.5	8.80	湿式溢流 Wet Overflow
Φ1200x1200	31.30	2.40	≤20	0.074-0.6	0.2-2.19	37	8.45	节能 Energy Saving
Φ1200x1600	35.00	2.50	0-20	0.074-0.6	0.8-2	18.5	8.00	节能 Energy Saving

冶金、选矿球磨机主要技术参数 Main Technical Parameters

规格型号 Model	筒体转速 Rev. Speed (r/min)	装球量 Ball Load (t)	进料粒度 Feed Size (mm)	出料粒度 Discharge Size (mm)	产量 Capacity (t/h)	电机功率 Power (kW)	重量 Weight (t)	备注 Remark
Φ1200x2000	35.00	3.00	0-20	0.074-0.6	1.1-2.6		7.80	节能 Energy Saving
Φ1200x2400	31.30	4.80	0-20	0.075-0.3	0.4-5.8	45	12.00	节能 Energy Saving
Φ1200x2400	34.00	9.00	≤25	0.075-0.3	0.5-6	30	12.20	湿式格子 Wet Lattice
Φ1200x2400	34.00	9.00	≤25	0.075-0.3	0.5-5	30	11.70	湿式溢流 Wet Overflow
MQG1200x2400	32.00	4.80	≤20	0.074-0.6	1.5-2	45	11.50	干式 Dry Type
Φ1200x2800	35.00	4.22	≤25	0.074-0.6	1.5-3.7	37	12.02	干式 Dry Type
Φ1200x2800	35.00	4.00	0-20	0.074-0.6	1.42-3.8	30	12.10	节能 Energy Saving
Φ1200x3000	34.00	11.00	≤25	0.074-0.6	0.6-7	37	13.70	湿式格子 Wet Lattice
Φ1200x3000	34.00	11.00	≤25	0.074-0.6	0.6-6	37	13.20	湿式溢流 Wet Overflow
Φ1200x3000	32.00	5.00	≤25	0.074-0.4	1.6-5	45	12.80	干式 Dry Type
MB1200x3000	28.00	7.20	≤25	0.074-0.4	1.5-8	45	13.40	湿式棒磨机 Wet Rod Mill
Φ1200x4500	33.00	13.00	≤25	0.074-0.4	0.7-8	45	14.20	湿式格子 Wet Lattice
Φ1200x4500	33.00	13.00	≤25	0.074-0.4	0.7-7	45	13.70	湿式溢流 Wet Overflow
MQG1200x4500	30.00	5.20	≤25	0.074	1.5	55	13.80	干式 Dry Type
Φ1500x1500	29.20	4.00	≤25	0.074-0.85	1-3.5	60	13.20	节能 Energy Saving
Φ1500x1500	31.00	9.00	≤25	0.074-0.4	1.5-7	45	13.40	湿式格子 Wet Lattice
Φ1500x1500	31.00	9.00	≤25	0.074-0.4	1.5-6	45	13.20	湿式溢流 Wet Overflow
Φ1500x1800	28.00	7.00	≤25	0.074-0.4	1	11	13.00	干式 Dry Type
Φ1500x3000	32.70	10.40	≤25	0.074-0.85	2-6.8	95	16.80	节能 Energy Saving
Φ1500x3000	31.00	17.00	≤25	0.074-0.4	3-11	75	17.60	湿式格子 Wet Lattice
Φ1500x3000	31.00	17.00	≤25	0.074-0.4	3-10	75	17.00	湿式溢流 Wet Overflow
MBJ1500x3000	26.00	10.00	≤25	0.074-0.4	3-15	75	17.40	湿式棒磨机 Wet Rod Mill
MQ1500x3500	31.00	8.20	0-25	0.074-0.4	3.3-8.2	75	17.80	圆锥节能 Cone Energy Saving
MQG1500x4500	28.80	10.00	≤25	0.074-0.4	3-4	110	21.00	干式 Dry Type
Φ1500x4500	30.00	23.00	≤25	0.074-0.4	4-12	110	21.80	湿式格子 Wet Lattice
Φ1500x4500	30.00	23.00	≤25	0.074-0.4	4-11	110	21.20	湿式溢流 Wet Overflow
MQG1500x5700	28.80	12.00	≤25	0.074-0.4	3-5	130	25.00	干式 Dry Type
Φ1500x5700	28.00	10.50	0-25	0.074-0.6	3.5-9.5	130	24.70	节能 Energy Saving
Φ1500x5700	30.00	25.00	≤25	0.074-0.6	4-14	130	25.00	湿式格子 Wet Lattice
Φ1500x5700	30.00	25.00	≤25	0.074-0.6	4-13	135	25.50	湿式溢流 Wet Overflow
MQG1500x6400	28.80	13.00	≤25	0.074-0.4	3-5	130	27.00	干式 Dry Type
MQG1830x3000	26.80	14.00	≤25	0.074-0.4	6-16	130	30.50	湿式格子 Wet Lattice
MQG1830x3000	26.80	14.00	≤25	0.074-0.4	6-15	130	30.50	湿式溢流 Wet Overflow
Φ1830x3000	25.40	11.00	≤25	0.074-0.4	4-10	130	29.00	节能 Energy Saving
MQ1830x3600	24.23	11.00	0-25	0.074-0.4	6.6-18.5	130	32.00	湿式节能 Wet Energy Saving
Φ1830x4500	26.80	31.00	≤25	0.074-0.4	6-18	180	32.00	湿式格子 Wet Lattice
Φ1830x4500	26.80	31.00	≤25	0.074-0.4	6-17	180	32.00	湿式溢流 Wet Overflow
Φ1830x4500	25.40	15.00	≤25	0.074-0.4	4.5-12	155	32.00	干式 Dry Type
Φ1830x4500	24.00	15.00	≤25	0.074-0.4	4-19	155	32.00	球（棒）磨机 Ball Mill
Φ1830x5400	24.50	15.00	≤25	0.074-0.4	5-7	210	33.00	湿式溢流 Wet Overflow
Φ1830x6400	24.10	21.00	≤25	0.074-0.4	6.5-15	210	34.00	湿式溢流 Wet Overflow
MQG1830x6400	24.50	19.00	≤25	0.074-0.4	5-7	210	34.00	干式 Dry Type
Φ1830x6400	26.80	19.00	≤25	0.074-0.4	6-19	210	35.00	湿式溢流 Wet Overflow
Φ1830x6400	24.00	23.00	≤25	0.074-0.4	6.5-15	210	35.00	湿式格子 Wet Lattice



冶金、选矿球磨机主要技术参数 Main Technical Parameters

规格型号 Model	筒体转速 Rev. Speed (r/min)	装球量 Ball Load (t)	进料粒度 Feed Size (mm)	出料粒度 Discharge Size (mm)	产量 Capacity (t/h)	电机功率 Power (kW)	重量 Weight (t)	备注 Remark
Φ1830x7000	24.10	23.00	≤25	0.074-0.4	7.5-17	210	36.00	干式节能 Dry Energy Saving
MQG1830x7000	24.50	20.00	≤25	0.074-0.4	6-8	245	36.00	干式 Dry Type
Φ1830x7000	24.50	21.00	0-25	0.074-0.6	4-35	210	36.00	湿法节能 Wet Energy Saving
Φ1830x7000	24.50	20.00	≤25	0.074-0.6	6-22	210	36.50	湿式格子 Wet Lattice
Φ1830x7000	24.50	20.00	≤25	0.074-0.6	6-21	210	37.00	湿式溢流 Wet Overflow
Φ2100x2100	24.00	28.50	≤25	0.074-0.6	6-33	180	39.00	湿式格子 Wet Lattice
Φ2100x2100	24.00	28.50	≤25	0.074-0.6	6-32	180	40.00	湿式溢流 Wet Overflow
Φ2100x3000	23.70	15.00	≤25	0.074-0.4	6.5-36	180	42.00	干式 Dry Type
Φ2100x3000	23.80	18.00	<25	0.074-2.36	6-33	180	41.00	节能球磨机 Energy Saving Ball Mill
MBJ2100x3000	22.00	20.00	≤25	0.074-2.36	14-35	210	43.00	湿式棒磨机 Wet Rod Mill
Φ2100x3600	23.80	15.00	0-30	0.074-0.4	12-30	180	45.00	圆锥节能 Cone Energy
Φ2100x3600	22.00	22.90	≤25	0.074-0.4	7.6-28	210	47.00	干式 Dry Type
Φ2100x3600	24.00	45.00	≤25	0.074-0.4	7-39	210	48.00	湿式格子 Wet Lattice
Φ2100x3600	24.00	45.00	≤25	0.074-0.4	7-38	210	48.00	湿式溢流 Wet Overflow
MBJ2100x3600	20.00	25.00	≤25	0.074-0.4	15-40	210	51.20	湿式棒磨机 Wet Rod Mill
Φ2100x4500	23.70	24.00	≤25	0.074-0.4	8-43	245	46.00	干式 Dry Type
Φ2100x4500	24.00	49.00	≤25	0.074-0.4	8-43	240	48.00	湿式格子 Wet Lattice
Φ2100x4500	24.00	49.00	≤25	0.074-0.4	8-41	240	49.00	湿式溢流 Wet Overflow
Φ2200x6500	21.00	31.00	≤25	0.074-0.4	14-26	380	52.80	干式 Dry Type
Φ2200x7500	21.00	33.00	≤25	0.074-0.8	16-29	380	56.00	干式 Dry Type
MQG2200x9000	21.40	34.00	≤25	0.074-0.8	8-10	475	63.50	干式 Dry Type
Φ2400x3000	22.00	50.00	≤25	0.074-0.8	7-90	240	65.00	湿式 Wet
Φ2400x3600	22.00	50.00	≤25	0.074-0.8	9-47	240	66.00	湿式 Wet
MQG2400x7000	20.40	36.00	≤25	0.074-0.8	10-14	475	79.00	干式 Dry Type
MQG2400x8000	20.40	42.00	≤25	0.074-0.8	10-14	560	85.00	干式 Dry Type
MQG2600x8000	19.60	52.00	≤25	0.074-0.8	16-20	630	97.00	干式 Dry Type
Φ2700x2100	21.00	70.00	≤25	0.074-0.8	9-80	240	67.00	湿式 Wet
Φ2700x2100	21.00	70.00	≤25	0.074-0.8	9-78	240	65.50	湿式 Wet
MQ2700x3600	20.60	39.00	0-35	0.074-0.8	31-65	380		节能 Energy Saving
Φ2700x3600	21.00	46.00	≤25	0.074-0.8	12-125	380	86.00	湿式格子 Wet Lattice
Φ2700x3600	21.00	46.00	≤25	0.074-0.8	12-120	380	84.00	湿式溢流 Wet Overflow
MBJ2700x3600	18.00	45.00	≤25	0.074-0.8	18-123	350	84.60	湿式棒磨机 Wet Rod Mill
Φ2700x4000	21.00	53.00	≤25	0.074-0.8	12-145	380	94.00	湿式格子 Wet Lattice
Φ2700x4000	21.00	53.00	≤25	0.074-0.8	12-140	380	92.00	湿式溢流 Wet Overflow
Φ2700x4500	20.00	53.00	≤25	0.074-0.8	12-150	430	102.00	湿式格子 Wet Lattice
Φ2700x4500	20.00	53.00	≤25	0.074-0.8	12-145	430	100.00	湿式溢流 Wet Overflow
MQG3000x9000	18.30	78.00	≤25	0.074-0.8	20-25	1000	150.00	干式 Dry Type
Φ3200x4500	18.00	69.00	≤25	0.074-0.8	按工艺条件定 According To The Project Line	600	126.00	湿式格子 Wet Lattice
Φ3200x4500	18.00	69.00	≤25	0.074-0.8		600	125.00	湿式溢流 Wet Overflow
Φ3600x4500	17.00	90.00	≤25	0.074-0.8		850	160.00	湿式格子 Wet Lattice
Φ3600x4500	17.00	90.00	≤25	0.074-0.8		850	158.00	湿式溢流 Wet Overflow
Φ3600x6000	17.00	95.00	≤25	0.074-0.8		1250	175.00	湿式格子 Wet Lattice
Φ3600x6000	17.00	95.00	≤25	0.074-0.8		1250	173.00	湿式溢流 Wet Overflow
Φ3600x6000	17.00	95.00	≤25	0.074-0.8		1250	173.00	湿式溢流 Wet Overflow



- Structure feature of vertical mill:
1. Low investment cost: The system is simple, and occupation area is about 50% of ball mill system. In addition, it can be installed outside, so it will reduce a large number of investment cost.
 2. Low operation cost, high efficiency: Roller compacted materials directly onto the grinding disc, so power consumption is low.
 3. High drying ability: As the hot air contacts with the material directly, drying ability is higher, and it saves energy.
 4. Simple and reliable operation: It is equipped with automatic control systems, so remote control makes easier operation.
 5. The stability of product quality: As the material stays in the mill for a short time, it is easy to detect and control the product particle size and chemical composition, and to reduce duplication of milling which enables stable product quality.
 6. Convenient maintenance: Transmission arm is revolved by maintenance oil tank, it is fast to replace the roller sleeve, and liner, and to reduce the downtime loss.
 7. Environmental friendly: It is with small vibration, low noise, and the overall sealing. The system works under negative pressure, so there is no dust going out. It meets the requirements of the state environmental protection.

立磨结构特点：

- 1、投资费用低：系统简单，布局紧凑，占地面积约为球磨机的 50%，而且可露天布置，因此能大量降低投资费用。
- 2、使用花费少，效率高：工作中磨辊直接与磨盘上的物料接触，因此能耗比较小。
- 3、烘干能力大：由于热风直接与物料接触，烘干能力大，节能性更好。
- 4、操作简单可靠：装备有自动控制系统，可实现远程控制，操作简便。
- 5、产品质量稳定：由于物料在磨内停留时间短，易于检测和控制产品粒度及化学成分，减少重复碾磨，产品质量稳定。
- 6、维护方便：通过检修油缸翻转动臂，更换辊套、衬板，方便快捷，减少停机损失。
- 7、工作环境好：震动小，噪音低，且设备整体密封，系统在负压下工作，无粉尘外溢，满足国家环保要求。

ZKRM 系列立式磨粉机

ZKRM Series Vertical Mill



ZKRM 系列立式磨粉机

ZKRM Series Vertical Mill

ZKRM 系列立式磨粉机是郑矿机器通过学习引进国外先进技术，经历二十多年潜心研究开发出的一款集烘干、粉磨、分级、输送为一体的高效节能的先进磨粉设备。

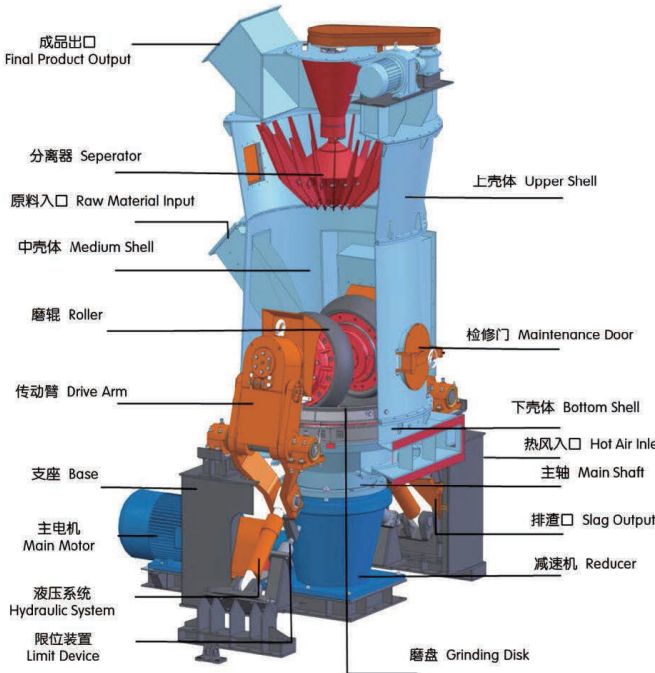
郑矿机器 ZKRM 立式磨粉机具有粉磨效率高、电耗低、入料粒度大、产品细度易于调节、设备工艺流程简单、占地面积小、噪音低、扬尘少、使用维护简便、运行费用低、耐磨材料消耗少等优点。可广泛用于电力、冶金、水泥、化工、非金属矿等行业，主要用于对水泥生料、熟料、电厂脱硫用石灰粉、矿渣微粉、锰矿、石膏、煤、重晶石、方解石等物料进行粉磨加工。

ZKRM series vertical mill is a kind of advanced mill developed by ZK CORP based on two decades of R&D experience and introduction of foreign advanced technology. It features in a combination of drying, grinding, classifying and conveying. ZK CORP ZKRM vertical mill has the following advantages: efficient grinding, lower power consumption, larger feeding size, adjustable fineness, simple process flow, space-saving, lower noise, no air pollution, easy maintenance, lower operation cost, longer working life of wearing parts etc.. ZKRM vertical mill is widely used in power, metallurgical, cement, chemical and non-metallic industry, such as cement raw material, clinker, limestone, slag, manganese, gypsum, coal, barite, calcite etc..

ZKRM 生料立式磨规格、技术参数表 Main Technical Parameters

型号 Model	磨盘中径 Grinding Table Median Diameter (mm)	产量 Capacity (t/h)	原料水分 Raw Material Moisture (%)	生料细度 Raw Meal Fineness (%)	生料水分 Raw Meal Moisture (%)	电机功率 Power (kW)
ZKRM08.2	800	6-8	<10%	R0.08<12%	≤1%	55/75
ZKRM11.2	1100	10-12	<10%	R0.08<12%	≤1%	110/132
ZKRM13.2	1300	20-25	<10%	R0.08<12%	≤1%	185/200
ZKRM15.2	1500	26-34	<10%	R0.08<12%	≤1%	250/280
ZKRM17.2	1700	40-55	<10%	R0.08<12%	≤1%	355/400
ZKRM19.2	1900	55-70	<10%	R0.08<12%	≤1%	450/500
ZKRM20.2	2000	60-75	<10%	R0.08<12%	≤1%	560/630
ZKRM22.3	2200	85-110	<10%	R0.08<12%	≤1%	710/800
ZKRM24.3	2400	95-130	<10%	R0.08<12%	≤1%	800/900

注：原料易磨性 (Bond) 指数 ≤13kWh/t Note:Raw Material bond index≤13kWh/ t



ZKRM 水泥立式磨规格、技术参数表 Main Technical Parameters

型号 Model	磨盘中径 Grinding Table Median Diameter (mm)	产量 Capacity (t/h)	原材料水分 Rough Material Moisture (%)	产品比表面积 Powder Specific Surface Area (m²/kg)	产品水分 Product Moisture (%)	电机功率 Power (kW)
ZKRM08.2C	800.00	3-4	<3%	≥350	≤1%	55.00
ZKRM11.2C	1100.00	5-6	<3%	≥350	≤1%	110.00
ZKRM13.2C	1300.00	11-13	<3%	≥350	≤1%	185.00
ZKRM15.2C	1500.00	14-16	<3%	≥350	≤1%	250.00
ZKRM17.2C	1700.00	20-23	<3%	≥350	≤1%	355.00
ZKRM19.2C	1900.00	24-26	<3%	≥350	≤1%	450.00
ZKRM20.2C	2000.00	27-30	<3%	≥350	≤1%	560.00
ZKRM22.3C	2200.00	40-50	<3%	≥350	≤1%	710.00
ZKRM24.3C	2400.00	50-65	<3%	≥350	≤1%	900.00

注：原料易磨性 (Bond) 指数 ≤18kWh/t Note:Raw Material bond index≤18kWh/t

ZKRM 矿渣 (钢渣) 微粉立式磨规格、技术参数表 Main Technical Parameters

型号 Model	磨盘中径 Grinding Table Median Diameter (mm)	产量 Capacity (t/h)	矿渣水分 Mining Slag Moisture (%)	矿粉比表面积 Product Specific Surface Area (m²/kg)	产品水分 Product Moisture (%)	电机功率 Power (kW)
ZKRM08.2S	800.00	1.5-2	<15%	≥420	≤1%	75.00
ZKRM11.2S	1100.00	3-4	<15%	≥420	≤1%	132.00
ZKRM13.2S	1300.00	8-9	<15%	≥420	≤1%	200.00
ZKRM15.2S	1500.00	9-10	<15%	≥420	≤1%	280.00
ZKRM17.2S	1700.00	12-14	<15%	≥420	≤1%	400.00
ZKRM19.2S	1900.00	15-17	<15%	≥420	≤1%	500.00
ZKRM20.2S	2000.00	18-20	<15%	≥420	≤1%	630.00
ZKRM22.3S	2200.00	23-25	<15%	≥420	≤1%	800.00
ZKRM24.3S	2400.00	26-34	<15%	≥420	≤1%	900.00

注：矿渣易磨性 (Bond) 指数 ≤25kWh/t; 钢渣易磨性 (Bond) 指数 ≤30kWh, 粉磨钢渣微粉时产量下降约 30-40%

Note: Mining slag bond index≤25kWh/t; Steel slag bond index≤30kWh/t; The output will decrease by 30%-40% when grinding steel slag micro powder

ZKRM 系列立式磨粉机

ZKRM Series Vertical Mill



CXRM 系列超细立式磨粉机

CXRM Series Superfine Vertical Mill

ZKRM 煤粉立式磨规格、技术参数表 (冶金、热力、能源行业) Main Technical Parameters

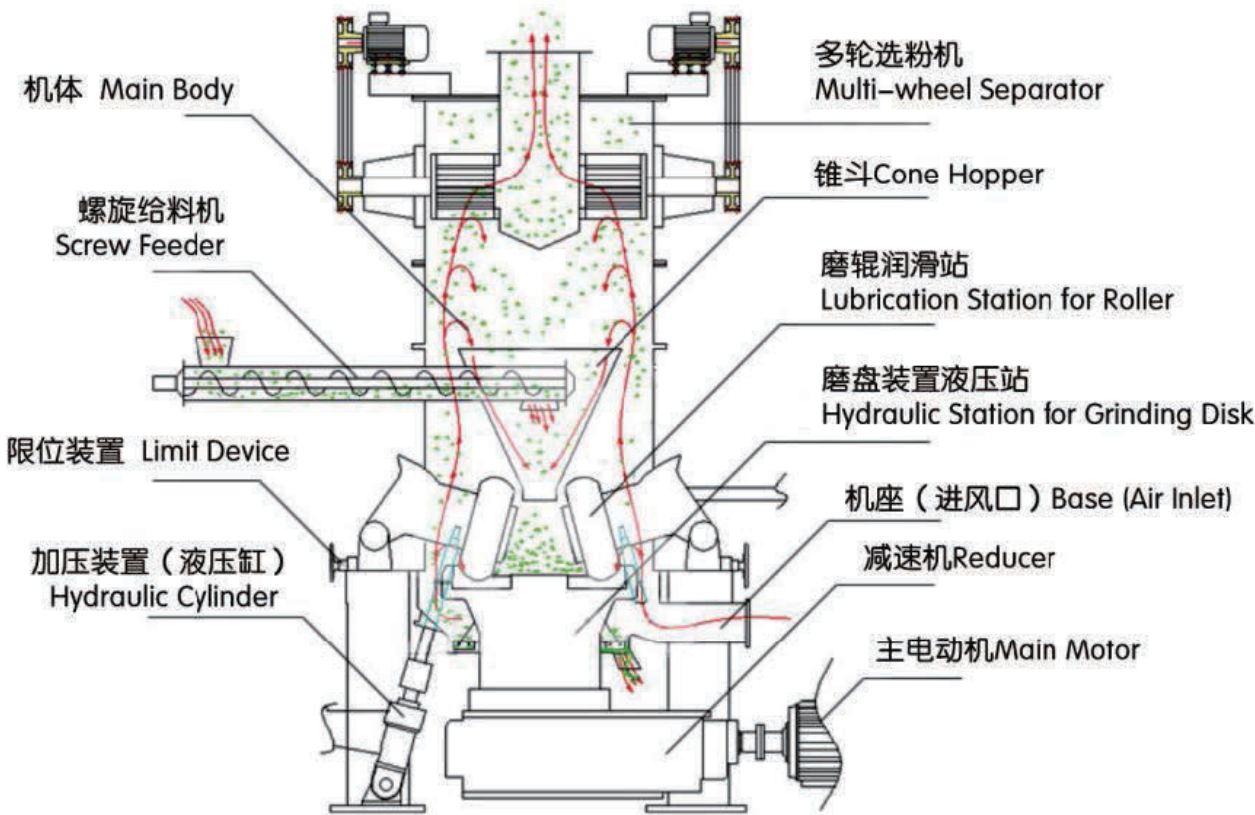
型号 Model	磨盘中径 Grinding Table Median Diameter (mm)	产量 Capacity (t/h)	原煤水分 Coal Moisture (%)	煤粉细度 Coal Powder Fineness (%)	煤粉水分 Coal Powder Moisture (%)	电机功率 Power (kW)
ZKRM08.2M	800	3-4	<15%	R0.08=10-15	≤1%	55
ZKRM08.3M	800	4-6	<15%	R0.08=10-15	≤1%	75
ZKRM11.2M	1100	6-8	<15%	R0.08=10-15	≤1%	90
ZKRM11.3M	1100	8-10	<15%	R0.08=10-15	≤1%	110
ZKRM12.2M	1250	9-11	<15%	R0.08=10-15	≤1%	132
ZKRM12.3M	1250	10-12	<15%	R0.08=10-15	≤1%	160
ZKRM13.2M	1300	12-14	<15%	R0.08=10-15	≤1%	185
ZKRM13.3M	1300	13-15	<15%	R0.08=10-15	≤1%	220
ZKRM15.2M	1500	15-17	<15%	R0.08=10-15	≤1%	250
ZKRM15.3M	1500	17-20	<15%	R0.08=10-15	≤1%	280
ZKRM17.2M	1700	20-25	<15%	R0.08=10-15	≤1%	280
ZKRM17.3M	1700	25-30	<15%	R0.08=10-15	≤1%	315
ZKRM19.2M	1900	29-33	<15%	R0.08=10-15	≤1%	355
ZKRM19.3M	1900	33-37	<15%	R0.08=10-15	≤1%	400
ZKRM22.3M	2200	36-45	<15%	R0.08=10-15	≤1%	450/500
ZKRM24.3M	2400	45-56	<15%	R0.08=10-15	≤1%	560/630

注：原煤哈氏可磨数 50- 70 Note: HGI: 50-70

ZKRM 煤粉立式磨规格、技术参数表 Main Technical Parameters

型号 Model	磨盘中径 Grinding Table Median Diameter (mm)	产量 Capacity (t/h)	原煤水分 Coal Moisture (%)	煤粉细度 Coal Powder Fineness (%)	煤粉水分 Coal Powder Moisture (%)	电机功率 Power (kW)
ZKRM08.2M	800	2-3	<15%	R0.08=2-12	≤1%	55
ZKRM08.3M	800	3-5	<15%	R0.08=2-12	≤1%	75
ZKRM11.2M	1100	5-6	<15%	R0.08=2-12	≤1%	90
ZKRM11.3M	1100	6-7	<15%	R0.08=2-12	≤1%	110
ZKRM12.2M	1250	7-8	<15%	R0.08=2-12	≤1%	132
ZKRM12.3M	1250	8-9	<15%	R0.08=2-12	≤1%	160
ZKRM13.2M	1300	9-11	<15%	R0.08=2-12	≤1%	185
ZKRM13.3M	1300	11-13	<15%	R0.08=2-12	≤1%	220
ZKRM15.2M	1500	13-15	<15%	R0.08=2-12	≤1%	250
ZKRM15.3M	1500	15-17	<15%	R0.08=2-12	≤1%	280
ZKRM17.2M	1700	17-20	<15%	R0.08=2-12	≤1%	280
ZKRM17.3M	1700	20-25	<15%	R0.08=2-12	≤1%	315
ZKRM19.2M	1900	25-28	<15%	R0.08=2-12	≤1%	355
ZKRM19.3M	1900	28-32	<15%	R0.08=2-12	≤1%	400
ZKRM22.3M	2200	32-42	<15%	R0.08=2-12	≤1%	450/500
ZKRM24.3M	2400	42-52	<15%	R0.08=2-12	≤1%	560/630

注：1、原煤哈氏可磨系数 ≥50 2、可用于粉磨无烟煤，煤粉细度 ≤3%(但产量会相应降低)
Note: 1、HGI≥50 2、Coal Fineness≤3% when grinding anthracite,the capacity will go down



超细立磨结构特点：

- 粉磨效率高，环境污染少。
 - 采用料层粉磨原理，物料在磨内停留时间短，重复研磨少，含铁量少，成品白度和净度高，特别适用于粉磨白色或透明物料；
 - 特殊设计的辊套和衬板的粉磨曲线，可一次粉磨至所需细度。
- 先进、高效、节能的分选系统。
 - 采用多轮分选原理，所有转子均可变频调速，成品细度在选定范围内均可实现而无需二次分选；
 - 采用超细粉磨理论以及多叶片分选技术，CXRM 系列超细磨比普通磨机节能 30%-50%，并且在多品种生产时再现性极高。
- 运行安全高效，控制系统智能化。
 - 主电机普遍采用变频控制；
 - 装配机械和电子限位装置，避免破坏性冲击和震动；
 - 采用 PLC/DCS 自动控制的磨辊加压控制方式，控制精准，无需人工操作；

- 磨辊采用独立润滑站润滑，一个磨辊采用两个泵润滑（一个泵往里排油，一个泵向外抽油），同时完成了磨辊轴承的润滑与冷却作用并保证磨辊腔里的润滑油不至于过多或过少；
 - 采用自动控制系统，可实现远程控制，操作方便。
- 磨辊可翻出磨外以利检修。
 - 由于工作时磨辊并不与磨盘接触，并且磨辊与磨盘均采用高强度材质制造，磨损量少且不易破坏；

Structure feature of superfine vertical mill

- High efficiency of grinding. Low pollution of product.
 - The mill adopts the theory of material layers grinding which make the material stay in the mill for a shorter time to reduce the rate of re-grinding. And also the final product contains little iron with a higher whiteness and neatness which is perfect for the

CXRM 系列超细立式磨粉机

CXRM Series Superfine Vertical Mill



回转式冷却机

Rotary Cooler

- grinding of the white or transparent materials;
- B. With the specially made roller shell and liner of the grinding curve for super-fine grinding. the mill is easier to form the materials layer than the normal vertical mill which can achieve the fineness for one time.
2. Adopted the advanced, high efficiency and energy-saving powder-separating system.
- A. Adopted the theory of multi-round separating. with the frequency conversion impeller, the mill can adjust the fineness of the final product at certain range without secondary classifying;
- B. Adopted the theory of super -fine grinding and multi-blade separating, the CXRM series mill can save the energy for like 30 to 50 percent than the normal mill and has the extremely high reproducibility when grinding different kinds of materials.
3. Safe and efficient operation. intelligent control system.
- A. Main engine revolution adopts frequency control of motor speed. which has been widely applied for materials:
- B. It's equipped with a device to prevent roller from contacting with liner directly, and avoids the destructive impact and severe vibration;
- C. PLC/DCS automatic control roller pressure control method, the grinding pressure get accurate control, does not need manual operation;
- D. Roller lubrication using separate lubrication station, and a single roller loop adopts double pump, pump suction work mode at the same time, both make full lubrication and cooling of the roller bearing. roller bearing and can guarantee indoor won't because too much oil and cause leakage.
- E. Equipped with automatic control system, which can realize remote control, easy operation.
4. Wear less, convenient maintenance.

- A. The roller working in a roller is not directly contact with plate, and both the roller and the plate are made of high-quality material so it can guarantee long service life, less wear and tear;
- B. Roller can turn out to inspect conveniently.

主电机通过减速机带动磨盘转动,同时风从进风口进入磨机,物料经螺旋给料机下料口落在磨盘中央,在离心力的作用下,物料从磨盘中央向边缘均匀移动,经过磨盘上的粉磨辊道区域时,受到磨辊的碾压,粉碎后的物料在磨盘边缘被风环处高速气流带起,大颗粒直接落到磨盘上重新粉磨,气流中的物料经过上部的分离器时,在转子叶片的作用下,粗颗粒重新回到磨盘上粉磨,合格的细粉随气流一起出磨,被系统的集粉器收集,被收集到的粉料即为超细立磨磨出的产品。通过调节选粉机转子转速可以调节最终的产品细度。

The main motor drives the millstone to rotate through the reduction box, meanwhile. the air flow gets into the mill through air intake. The materials come out of the screw feeder and fall on the center of the millstone, and then they will move from the center to the edge of the millstone under the affect of centrifugal force. When they move across the grinding zone, they will get grinded by the rollers. The ground material is carried up by the high speed air flow at the place of wind ring. The big particles directly falls onto the table to be regrounded. The materials in the air flow will go through the rotor vanes on the separator above. The coarse powder will go back to the millstone while the eligible powder will go out of the mill together with the air flow and get collcteted by the powder cllector. Those cllcteted powder is the final products of the CXRM grinding mill. The final products can be in different fineness through adjusting the rotating speed of the rotor of the powder concentrator.

CXRM 系列超细立式磨粉机主要技术参数 Main Technical Parameters

型号 Model	磨盘直径 Grinding Table Median Diameter (mm)	产量 Capacity (t/h)	入磨物料粒度 Grain Size Of Raw Material (mm)	入磨物料水分 Grinding Material Moisture (%)	产品细度 (目) Product Fineness (mesh)	主电机功率 Main Motor Power (kW)	分级机功率 Classifier Power (kW)
CXRM11.3	1100	4-12	0-15	<5	325-1500	225	110
CXRM13.3	1300	6-16	0-18	<5	325-1250	320	132
CXRM15.3	1500	8-18	0-20	<5	325-1250	385	180
CXRM17.3	1700	12-25	0-25	<5	325-1000	500	250



回转式冷却机是对煅烧过的物料进行冷却处理的设备,属于回转圆筒类设备。本产品广泛应用于水泥建材、有色冶金、黑色冶金、耐火材料、化工原料、陶瓷及造纸等领域。具有生产能力大,机械化程度高,维护操作简单等特点。

Rotary cooler is a kind of equipment that cools material after calcination. It is rotating type equipment. This product is widely used in cement, non-ferrous metallurgy. ferrous metallurgy. refractory material, chemical, ceramic, paper making industries. It has features of large capacity, high degree mechanization, easy maintenance, etc.

回转式冷却机主要技术参数 Main Technical Parameters

规格 Model (m)	筒体 Shell			电动机 Motor		减速机型号 Reducer model	外形尺寸 (长 X 宽 X 高) LxWxH Overall Size (mm)	重量 Weight (t)
	容积 (m³) Volume (m³)	转速 Revolving speed (rpm)	斜度 Slope (%)	型号 Model	功率 Power (kW)			
Φ1.0x15	11.80	5	5	YVFE3-132M-4	7.5	ZQ400	15000x1876x2069	9.5
Φ1.2x12	13.57	5	5	YVFE3-160M-4	11	ZQ500	12000x2159x2475	10.3
Φ1.2x15	17.00	4~5	5	YVFE3-160L-4	15	ZQ500	15000x2294x2475	12.8
Φ1.2x20	22.60	4~5	5	YVFE3-160L-4	15	ZQ500	20000x2294x2475	16.8
Φ1.5x10	17.67	3~5	5	YVFE3-160L-4	15	ZQ650	10000x2655x2895	16.5
Φ1.5x14	24.90	3~5	5	YVFE3-160L-4	15	ZQ650	14000x2655x2895	19.2
Φ1.5x18	31.80	3~5	5	YVFE3-180M-4	18.5	ZQ650	18000x2655x2895	22.9
Φ1.5x20	35.30	3~5	5	YVFE3-180M-4	18.5	ZQ650	20000x2655x2895	25.4
Φ1.8x16	40.70	3~5	4	YVFE3-180L-4	22	ZQ750	16000x3060x2980	35.4
Φ1.8x18	45.80	3~5	4	YVFE3-180L-4	22	ZQ750	18000x3060x2980	32.3
Φ1.8x20	50.90	3~5	4	YVFE3-180L-4	22	ZQ750	20000x3060x2980	39.2
Φ2.0x16	50.30	3~5	3.5	YVFE3-180L-4	22	ZQ750	16000x3340x3420	38.6
Φ2.0x20	62.80	3~5	3.5	YVFE3-200L-4	30	ZQ750	20000x3340x3420	42.8
Φ2.2x14	53.20	3~5	3.5	YVFE3-200L-4	30	ZQ750	14000x3620x3570	45.3
Φ2.2x18	68.40	3~5	3.5	YVFE3-200L-4	30	ZQ750	18000x3620x3570	49.4
Φ2.2x20	76.00	3~5	3.5	YVFE3-200L-4	30	ZQ750	20000x3620x3570	51.8
Φ2.4x16	72.30	3~4	3.5	YVFE3-225M-6	30	ZQ850	16000x3860x3760	58.8
Φ2.4x20	90.40	3~4	3.5	YVFE3-225M-6	30	ZQ850	20000x3860x3760	63.9
Φ2.8x28	172.00	2.5	3.5	YVFE3-280M-6	55	ZQ1000	28000x4350x4200	130
Φ3.0x30	212.00	1~2	3.5	YVFE3-315S-6	75	ZL115	30000x4860x4630	169
Φ3.5x50	481.10	1~2	3.5	YVFE3-355M1-6	160	ZSY500	50000x5780x8750	233
Φ3.8x50	567.10	1~2	3.5	YVFE3-355M2-6	200	ZSY560	50000x6280x9150	281
Φ4.0x55	691.20	1~2	3.5	YVFE3-355L-6	250	ZSY630	55000x6680x9550	335

回转式烘干机

Rotary Dryer



盘式成球机

Disc Granulator



Rotary dryer is mainly used for drying various materials and also can be used for drying compound fertilizer.

Rotary dryer has been updated a lot and has features as follows:

- (1) Shell adopts assembly structure and its precision has been improved a lot, which will be more convenient for transport.
- (2) According to different fuel properties, suitable raising plate will be used. This can make material receive more heat exchange.
- (3) Sealing is simple but efficient, which can improve capacity and improve whole machine performance.
- (4) Its matching combustion furnace is energy-saving type, which takes small area and is easy to adjust.

回转式烘干机主要用于各种物料的烘干脱水，也可用于复合肥料的烘干。

回转式烘干机具有下述特点：

- (1) 筒体采用组装式结构，提高了设备的精度，便于运输和安装。
- (2) 根据不同类型物料的特性，采用相应结构形式的扬料板，使物料料幕更加均匀，热交换更加充分。
- (3) 密封简易实用，有效改善整机性能，提高生产能力。
- (4) 与之配套的燃烧炉为节能高效型，占地面积小，调控方便。

回转式烘干机主要技术参数 Main Technical Parameters

规格 Model (m)	筒体 Shell				生产能力 Capacity (t/h)	电动机 Motor	功率 Power (kW)	减速机 Reducer
	内径 Inner Diameter (mm)	长度 Length (mm)	倾角 Slope (°)	转速 Rev. Speed (rpm)		型号 Motor Model		
Φ1.2x12	1200	12000	1.8	5.00	2-5	Y160LM-6	11	ZQ500
Φ1.5x15	1500	15000	1.8	4.28	4-5	Y160L-6	18.5	ZQ650
Φ1.8x18	1800	18000	1.8	5.00	6-8	Y200L1-6	22	ZQ650
Φ2.0x20	2000	20000	2.0	3.38	7-10	Y200L2-6	30	ZQ650
Φ2.2x22	2200	22000	1.8	2.80	9-14	Y250M-6	45	ZQ650
Φ2.4x24	2400	24000	2.5	2.82	14-16	Y280S-6	55	ZQ750
Φ2.6x26	2600	26000	2.5	2.58	16-18	Y280M-6	75	ZQ850
Φ2.8x28	2800	28000	2.5	2.55	20-22	Y315S-6	90	ZL115
Φ3.0x30	3000	30000	2.5	2.69	22-24	Y315L1-6	132	ZL130
Φ3.2x32	3200	32000	2.5	2.60	24-26	Y315M-4	200	ZSY450
Φ3.4x34	3400	34000	2.5	2.51	26-28	Y315L2-4	315	ZL130
Φ3.6x34	3600	36000	2.5	2.51	30-40	Y315L2-4	315	ZL130
Φ4.0x46	4000	40000	2.5	2.09	40-45	YKK4003-4	400	ZSY630
Φ4.2x42	4200	42000	2.5	2.09	45-46	YKK4005-4	400	ZSY630

盘式成球机分为有动力刮刀和无有动力刮刀两种。具有结构简单、操作方便、料球水份容易控制、强度高的特点。成球盘采用整体结构，盘底采用多条辐射钢板加强，坚固耐用；减速机与电动机采用柔性皮带传动，启动平稳，减少了设备冲击力，提高了设备使用寿命。

Disc granulator has two kinds of powered scraper and unpower scraper. It has the characteristics of simple structure, convenient operation, easy control of water content and high strength. The disc granulator adopts the integral structure, and the bottom of the disc is reinforced by a plurality of radiant steel plates, which is sturdy and durable; the reducer and the motor are driven by a flexible belt, starting is stable, the impact force of the equipment is reduced, and the working life of the equipment is improved.



PQ 型主要技术参数表 Main Technical Parameters

规格型号 (Model)	盘径 (mm)	盘高 (mm)	倾角 (°)	转速 (r/min)	主电机功率 (kW)	刮刀电机功率 (kW)	重量 (t)
PQ10	1000	250	35-55	2.5-25	3	1.1×1	0.6
PQ12	1200	250	35-55	2.5-25	4	1.1×1	0.8
PQ16	1600	300	35-55	2-19	7.5	1.5×1	1.4
PQ20	2000	320	35-55	1.5-15	7.5	2.2×1	2.2
PQ22	2200	350	35-55	1.4-14	15	2.2×1	3.8
PQ25	2500	350	45-55	1.2-12	15	2.2×1	5
PQ28	2800	400	45-55	1.2-12	18.5	2.2×1	5.8
PQ32	3200	400	45-55	1.2-12	22	3×1	8.5
PQ36	3600	550	45-55	1~10	30	3×2	9.8
PQ42	4200	550	45-55	1~10	37	4×2	12.5
PQ45	4500	550	45-55	1~9	45	4×2	13.5
PQ50	5000	650	43-53	6~9	55	5.5×2	18
PQ55	5500	650	43-53	5.7~8.5	75	5.5×2	30.2
PQ60	6000	650	43-53	5.7~8.5	90	5.5×2	32.8
PQ70	7000	650	43-53	5.1~7.9	132	5.5×3	45.9
PQ75	7500	650	43-53	5.1~7.9	160	5.5×3	50

注：1、以上所有型号均可配置无动力刮刀
1. All the above models can be equipped with unpowered scraper.

PQT 型 (球团专用) 主要技术参数表 Main Technical Parameters

型号 (Model)	盘径 (mm)	盘高 (mm)	倾角 (°)	转速 (r/min)	主电机功率 (kW)	刮刀电机功率 (kW)	重量 (t)
PQT50	5000	600	43-53°	6-9	75	5.5×2	20
PQT55	5500	650	43-53°	5.7-8.5	90	5.5×2	33.5
PQT60	6000	650	43-53°	5.7-8.5	110	5.5×2	36.5
PQT70	7000	650	43-53°	5.1-7.9	185	5.5×3	51
PQT75	7500	650	43-53°	5.1-7.9	200	5.5×3	55.6

ZKL 制粒机

ZKL Granulator



ZKZL 系列清洁型强力制粒机

ZKZL Series Clean Type Powerful Granulator

锅式造粒机是以铝矾土、页岩、粘土、污泥、粉煤灰、矿渣等为原料进行造粒的设备，具有成球粒度均匀、产量高、设备结构紧凑、控制方便、运行平稳等特点，可广泛应用于建筑、耐火保温、石油压裂支撑剂等领域。

原理是物料在制粒机内滚动，细小的水滴不断喷洒在物料上，物料颗粒遇到水滴迅速吸附浸润，颗粒表面形成一层极薄的水膜，并在滚动中吸附物料。由于连续加水、加料和在盘内不断滚动，母球表面的水膜也不断吸料吸水，如此周而复始母球逐渐形成料球。同时，由于滚动时的机械作用，料球的密实性也逐步增加，使料球产生一定的机械强度，直至形成符合要求的生料球。

制粒机底座采用一体化结构设计、运行平稳、噪声低、故障率低、生产效率高、使用寿命长、成球率高、成球粒度均匀、球粒大小易于控制、强度高。



The pan type granulator is one equipment make pellet use bauxite , shale, clay, sludge, fly ash, slag and so on as raw materials, it has features such as granulate uniform, high capacity, compact structure, control easy, running steady and so on, it can be widely used for construction, refractory & insulation, oil fracturing proppant industries and so on.

The working principle is: material is rolling, small water drop to material continues, material meet water and absorbs water rapid, and one thin layer water film on the surface of material to absorb material during rolling. Because addition water, materials and

rolling all the time, the water film of core pellet absorb water and material all the time, so the core pellet will become bigger pellet like this. At the same time, because the mechanical action during rolling, the compaction of pellet increase gradually, make the pellet have certain mechanical strength, and make the qualified raw pellet at final.

The base of granulator is designed integration, operation steady, low noise, low fault, high efficiency, long life time, high granulation rate, granulation uniform, easy control and high strength.

ZKL 系列制粒机主要技术参数 Main Technical Parameters

产品型号 Model	直径 Diameter (mm)	生产能力 Capacity (t/h)	转速 Rotate Speed (r/min)	功率 Power (kW)	重量 Weight (kg)
ZKL-17	1700	1-4	25.8	18.5	3700
ZKL-22	2200	2-6	23.1	22	4200
ZKL-30	3000	5-10	17.0	45	8800
ZKL-32	3200	7-12	15.9	55	10900
ZKL-35	3500	9-14	14.5	75	13900
ZKL-38	3800	10-16	13.4	90	17700
ZKL-40	4000	11-18	12.7	110	19800
ZKL-42	4200	12-22	12.1	132	23500

河南郑矿机器有限公司生产的 ZKZL 系列清洁型强力制粒机是在吸收和借鉴国外先进技术的基础上，结合我国当前石油压裂支撑剂的生产现状研发而成，主要应用于石油压裂支撑剂（陶粒砂）生产，也可应用于煤粉、石灰石、煤矸石、粘土等粉状、粒状、小块物料成球。

ZKZL 系列清洁型强力制粒机主要由转筒、转子组件、刮刀装置、卸料装置、机架等组成。工作原理是利用呈顺时针方向低速转动的转筒与呈逆时针方向高速旋转的转子之间的逆向运动进行高速搅拌物料，在转筒底部和壁部布置有刮刀，刮刀在清理转筒内壁结层的同时与倾斜状态的转筒共同作用下使物料改变运动方向形成的特定的流场，粉状物料在高速运动的过程中受到“揉搓”成核进而制粒成球。

ZKZL series clean type powerful granulator produced by Henan Zhengzhou Mining Machinery Co., Ltd. is developed on the basis of absorbing and learning from advanced technology abroad, combining with the current production status of petroleum fracturing proppant in China. It is mainly used in production of petroleum fracturing proppant (ceramsite sand) and also used for granulation of powder, granule and small pieces material such as coal powder, limestone, coal gangue, clay, etc.

ZKZL series clean type powerful granulator is mainly composed



of drum, rotor assembly, scraper device, discharging device and frame. The working principle is to use a reverse rotation between a rotating drum rotating at a low speed in a clockwise direction and a rotor rotating at a high speed in a counterclockwise direction to stir the material at a high speed. The scraper is arranged at the bottom and the wall of the drum. When the scraper is cleaning the inner wall of drum,the material change the moving direction and form the specific flow field with the inclined rotating drum. The powder material is nucleated and granulated into balls in the process of high speed movement.

ZKZL 系列清洁型强力制粒机主要技术参数 Main Technical Parameters

型号 Model	最大装料量 Max loading amount		功率 Power (kW)	总重 Total weight (t)
	重量 Weight (kg)	体积 Volume (L)		
ZKZL-15	400	500	90	5
ZKZL-16	500	600	110	6.5
ZKZL-19	800	1000	132	10

对辊制粒机

Double Roller Granulator



ZKH 系列清洁型强力混料机

ZKH Series Clean-Type Powerful Mixer

对辊制粒机是一种可将粉状或小颗粒状物料制成特定形状的成型设备，主要由活动轧辊装置、固定轧辊装置、辊轮支撑轴承、调节装置以及驱动装置等组成，具有运转平稳、噪音小、粉尘少、性能可靠、维修方便等特点，可广泛应用于建材、矿冶、环保等行业。

其工作原理是减速电机通过链传动带动固定辊转动，固定辊转动的同时通过辊面摩擦带动与其接触的活动辊转动，物料从进料溜槽滑入对辊制粒机后，经过对辊挤压，物料通过固定辊型孔挤压成型。

该制粒机具有出粒均匀、成品率高、产量大、结构紧凑、布局合理、占地面积小、自动化程度高的特点。



movable roller that is in contact with it is rotated by the friction of the roller surface, and the material slides from the feeding chute into the roller granulator and is pressed by the roller. The material is extruded through a fixed roll hole, and the formed material is cut off by the scraper and discharged from the outlet.

The granulator has the characteristics of uniform granulation, high yield, large output, compact structure, reasonable layout, small floor space and high automation.

The double roll granulator is a molding equipment capable of forming a powder or small granular material into a specific shape, and is mainly composed of a movable roll device, a fixed roller device, a roller support bearing, an adjusting device, and a driving device. It is characterized by smoothness, low noise, less dust, reliable performance and convenient maintenance. It can be widely used in construction, mining and metallurgy, environmental protection and other industries.

The working principle is that the geared motor drives the fixed roller to rotate through the chain drive. When the fixed roller rotates, the

对辊制粒机主要技术参数 Main Technical Parameters

规格型号 Model	辊筒直径 Roller diameter (mm)	辊筒长度 Roller length (mm)	挤料孔径 Extrusion bore diameter (mm)	辊筒转速 Roller rotating speed (r/min)	生产能力 Capacity (t/h)	装机容量 Installed power (kW)
GL450×400	450	400	8-16	58	2-5	11
GL610×700	610	700	8-16	40	5-8	18.5
GL700×600	700	600	8-16	36	5-8	18.5
GL800×700	800	700	8-16	30	8-12	18.5
GL1000×900	1000	900	8-16	26.4	10-15	30

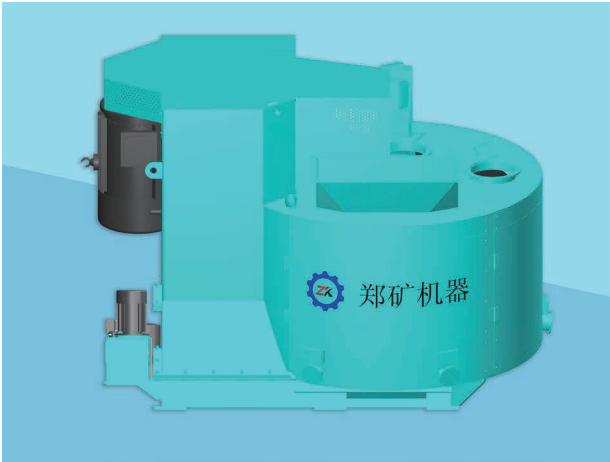
ZKH 系列清洁型强力混料机是在吸收和借鉴国外先进技术基础上研制而成，主要用于各种固体、粉体和液体物料的搅拌、混合，具有耐磨损、使用寿命长、生产效率高、混合效果好、混料过程无粉尘污染，即使少量的物料也能达到较好的混合效果的特点。

主要由机座、机架、转筒、主传动装置、转子、刮刀组件、卸料门、转筒动力装置、密封装置及辅助系统等组成。

其工作原理是：转筒呈特定角度的倾斜安装，在其偏心位置处设有高速搅拌转子，当转筒以低速顺时针方向旋转时，连续不断地将物料送入高速逆时针转动的搅拌叶片的运转轨迹内，借助转筒旋转及刮刀的作用，形成有利于混合的特定三维空间流场，使物料在极短的时间内得到充分翻转、混合，实现高效及最佳的均匀化处理效果。

The ZKH series clean-type powerful mixer is developing on the basis of absorb and reference abroad advantage technology, it mainly used stir and mixture for kinds of materials such as solid, powder and liquid material. It has features such as wearing resistance, long lifetime, high production efficiency, good mixture, without dust during running, it can be reach to good mixture result even less material.

It mainly compose by base, frame, rotation cylinder, main driving device, rotor, scraper components, discharge door, main power



device, sealing device and assist system.
The working principle is: The rotation cylinder is set up as certain slope, there is high speed stir rotor set at eccentric position, when the cylinder rotating with low speed at clockwise direction, feeding material into running track of the stir plate that rotating at anticlockwise direction with high speed, with the help of cylinder rotating and scraper function, form the three-dimensional space flow field that in favor of mixture, make the material overturn, mixture fully at very short time, realize high efficiency and optimum homogenization effect.

ZKH 系列清洁型强力混料机主要技术参数 Main Technical Parameters

型号 Model	按重量 Weight (kg)	按体积 Volume (L)	主功率 Main Power (kW)	整机重量 Weight Of Equipment (t)
ZKH-11	330	500	75	4
ZKH-15	630	950	90	6
ZKH-19	1000	1500	110	10.5
ZKH-24	1600	2400	132	17

双轴搅拌机

Double Shaft Mixer



PF 系列反击式破碎机

PF Series Impact Crusher

ZJ 系列双轴搅拌机是利用一对带有搅拌叶片的螺旋轴的同步旋转，在输送粉状物料的同时对其进行加湿、搅拌的设备。该型设备搅拌效率高、结构紧凑、运行稳定、清洁环保，用于化工、矿山等行业对固体颗粒物料或粉料进行加湿、搅拌和输送。

The ZJ series double shaft mixer is a device that humidifies and stirs the powdery material while synchronously rotating it with a pair of screw shafts with stirring blades. This type of equipment has high mixing efficiency, compact structure, stable operation, clean and environmental protection. It is used for humidification, mixing and conveying of solid particulate materials or powders in chemical, mining and other industries.



SJ 双轴搅拌机主要技术参数 Main Technical Parameters

规格型号 Model	SJ□×35	SJ□×40	SJ□×42	SJ□×46	SJ□×50	SJ□×60
两轴中心距 Center Distance (mm)	350	400	420	460	500	600
主轴转速 Rotating Speed (r/min)	53	53	53	53	45	45
槽体长度 Length (mm)	2000-4000	2000-4000	2000-4000	2000-4000	2000-4000	2000-4000
设备产能 Capacity (m³)	> 10-13	> 13-24	> 24-28	> 28-35	> 35-38	> 38-80
电机功率 Motor Power (kW)	37	45	55	75	75	110

注：1、该系列双轴搅拌机配套ZQ系列软齿面减速机和ZQL轴向气动离合器
Note: 1. This series of double-shaft mixers is equipped with ZQ series soft tooth surface reducer and ZQL axial pneumatic clutch.

ZJ 双轴搅拌机主要技术参数 Main Technical Parameters

规格型号 Model	ZJ250	ZJ300	ZJ400	ZJ500	ZJ600	ZJ650	ZJ700	ZJ800	ZJ900
搅拌叶回转直径 Dia of Stirring Blade (mm)	250	300	400	500	600	650	700	800	900
主轴转速 Rotating Speed (r/min)	62.6	63.5	53	53	53	53	45	45	45
槽体长度 Length (mm)	1500-2500	2000-4000	2000-4000	2000-4000	2000-6000	2000-6000	3000-4000	3000-4000	3000-4000
进/出料口距离 Distance (mm)	900-1900	1400-3400	1300-3300	1300-3300	1200-5200	1200-5200	2200-3200	2200-3200	2200-3200
设备产能 Capacity (m³)	0-3	> 3-6	> 6-12	> 12-25	> 25-35	> 35-45	> 45-50	> 50-70	> 70-100
电机功率 Motor Power (kW)	7.5	11	2000≤槽长<3000	2000≤槽长<3000	2000≤槽长<3000	2000≤槽长<3000	55	75	90
			15	18.5	30	37			
			3000≤槽长≤4000	3000≤槽长≤4000	3000≤槽长≤5000	3000≤槽长≤5000			
			18.5	22	37	45			
					5000≤槽长≤6000	5000≤槽长≤6000			
					45	55			

注：1、该系列双轴搅拌机配套ZSY系列硬齿面减速机和YOX系列液力耦合器
Note: 1. This series of double-shaft mixers is equipped with ZSY series hard tooth surface reducer and YOX series hydraulic coupler.



PF Series Impact Crusher is mainly used for secondary crushing, and it can crush material with compression strength no more than 320 Mpa. It is suitable to produce stone for high rank highway, hydroelectric and building material.

Feature and advantages of PF Series Impact Crusher:

- ① Multi-cavity uniform crush is suitable to crush hard rocks.
- ② The leveling plate make discharge material at finer and cubic shape without internal cracks.
- ③ The low and large feed opening is suitable for production line arrangement and to increase feeding size.
- ④ Full hydraulic type opening is suitable for maintenance and replacement of wear part.
- ⑤ New abrasive material makes impact hammer board, impact plate and liner have long working life.

PF 系列反击式破碎机主要用于中碎，可破碎抗压强度不超过 320Mpa 的物料，适宜生产高等级公路、水电、建筑等行业用石料。

PF 系列反击式破碎机特点及优势：

- ①多腔均匀破碎，适宜破碎硬岩。
- ②均整板结构使排料更呈小粒径和立方体形，无内裂纹。
- ③低矮的大进料口，便于生产线布置和增大进料尺寸。
- ④全液压开启，便于维修及更换易损件。
- ⑤新型耐磨材料使板锤、反击板和衬板使用寿命更长。

PF 系列反击式破碎机主要技术参数 Main Technical Parameters

型号 Model	规格 Specification (mm)	进料口尺寸 Inlet Size (mm)	最大进料尺寸 Max Feeding Size (mm)	产量 Capacity (t/h)	功率 Power (kW)	外形尺寸 Boundary Size (mm)	重量 (不含电机) Weight (excluding motor) (t)
PF-0807	Φ850x700	400x730	300	15-30	30-45	2210x1490x2670	8.10
PF-1007	Φ1000x700	400x730	300	30-50	37-55	2400x1558x2670	9.50
PF-1010	Φ1000x1050	400x1080	350	50-80	55-75	2400x2250x2820	12.20
PF-1210	Φ1250x1050	400x1080	350	70-120	110-132	2690x2338x2890	14.90
PF-1214	Φ1250x1400	400x1430	350	130-180	132-160	2690x2688x2890	18.60
PF-1310	Φ1300x1050	490x1170	400	80-140	110-160	2780x2478x2855	16.20
PF-1315	Φ1320x1500	860x1520	500	160-250	180-260	3096x3273x3067	19.30
PF-1415	Φ1450x1500	1145x1520	950	220-450	220-315	3745x3022x3519	27.00
PF-1520	Φ1520x2000	830x2050	700	300-550	315-440	3581x3560x3865	36.50



PE、PEX 系列颚式破碎机为大型复摆式，广泛适用于矿山、冶炼、建筑、公路、铁路、水利和化学工业等众多行业，处理粒度大，抗压强度不超过 320Mpa 的各种矿石和岩石的粗碎或中碎作业。PE 系列用于粗破，PEX 系列用于中、细破。

PE, PEX series jaw crusher is large scale complex tilting crusher, which is widely used in mining, smelting, construction, highway, railway, water conservancy, chemical industries. It is used for crushing various ores & stones with compressive strength less than 320Mpa. PE series is used as primary crushing, and PEX series as medium & fine crushing.

PE、PEX 系列颚式破碎机是以电动机为动力，通过电动机皮带轮，由三角带和槽轮驱动偏心轴，使动颚按预定轨迹作往复运动，从而将进入由固定颚板、活动颚板和边护板组成的破碎腔内的物料予以破碎，并通过下部的排料口将成品物料排出。

特点及优势：颚式破碎机结构简单、工作可靠、维修方便、运营费用低。

PE, PEX series jaw crusher is driven by motor. Motor will drive main shaft through v-belt, groove wheel. This makes jaw crusher make reciprocate movement at estimated track to crush materials that enter crushing chamber, formed by fixed jaw plate, movable jaw plate and side plate. Then discharge crushed material through bottom opening.

Features and advantages: Simple structure, reliable running performance, easy maintenance and low cost.

PE、PEX 系列颚式破碎机主要技术参数 Main Technical Parameters

型号 Model	进料口尺寸 Size Of Feed Inlet (mm)	最大进料粒度 Maximum Feed Size (mm)	出料口可调节范围 Adjustable Range Of Discharge Port (mm)	产量 Yield (m³/h)	配用电机功率 Motor Power (kW)	含电机重量 Including Motor Weight (t)	外形尺寸 Overall Dimensions (mm)
PE150×250	150×250	125	10-40	1-3	7.5	1.4	896×745×935
PE250×400	250×400	210	20-60	3-13	15	3	1430×1310×1340
PE400×600	400×600	350	50-120	10-35	30	6.9	1700×1732×1653
PE500×750	500×750	425	50-100	25-60	55	11.4	2035×1921×2000
PE600×900	600×900	480	65-160	30-85	75	16.5	2290×2206×2370
PE750×1060	750×1060	630	80-140	72-150	110	29.2	2655×2302×3110
PE900×1200	900×1200	750	95-165	100-240	132	50.7	3800×3166×3045
PE1200×1500	1200×1500	1000	150-350	250-500	200	102.8	4590×3342×3553
PEX150×500	150×500	120	10-40	3-15	11	2.7	750×1660×595
PEX150×750	150×750	120	10-40	5-16	18.5	3.8	1380×1658×1025
PEX250×750	250×750	210	15-50	8-35	30	6.2	1645×1860×1715
PEX250×1000	250×1000	210	15-50	13-45	37	6.9	1550×1964×1380
PEX250×1200	250×1200	210	15-50	13-50	45	8.3	2192×1900×1560
PEX300×1300	300×1300	250	15-50	20-60	75	11.9	3290×2275×1714

注：处理能力为加工中硬物料、破碎物料松散密度为 1.6t/m³ 时的数据。
Note: Capacity is described on the data of dealing medium hard material with bulk density 1.6t/m³.

PCH 系列环锤式破碎机

PCH Series Ring Hammer Crusher



PC 系列锤式破碎机

PC Series Hammer Crusher



PCH series ring hammer crusher is a kind of impact and rotor crusher with ring hammers. When material enters crusher, it will be crushed by high speed running ring hammer firstly. Crushed material obtains kinetic energy and rushed on impact plate to complete second crushing process. Then material falls on the screen sieve and will be cut, extruded, and grinded by the ring hammer and will be discharged by screen. At last the material up to the standard can be discharged by the machine. Uncrushed material enters metal collector and will be eliminated regularly.

PCH Series Ring Hammer Crusher is used to crush brittle materials, like gangue, coke, slag, red sandstone, shale, loose limestone, etc. The compressive strength of material can't exceed 100Mpa and surface moisture not more than 15%.

PCH 系列环锤式破碎机是一种带有环锤的冲击转子式破碎机，物料进入破碎机后，首先受到随转子高速旋转的环锤的冲击作用而破碎，被破碎的物料同时从环锤处获得动能，高速度地冲向破碎板。受到第二次破碎，然后落到筛板上，受到环锤的剪切、挤压、研磨以及物料与物料之间的相互作用进一步破碎，并透过筛孔排出。不能破碎的杂物则进入金属收集器，定期清除。

PCH 型环锤式破碎机，最适用于破碎各种脆性物料，如煤、煤矿石、焦炭、炉渣、红砂岩、页岩、疏松石灰石等。物料的抗压强度不超过 100MPa，表面水份不大于 15%。

PCH 系列环锤式破碎机主要技术参数 Main Technical Parameters

型号 Model	进料粒度 Feed Size (mm)	出料粒度 Discharge Particle Size (mm)	转子转速 Rotor Speed (r/min)	产量 Yield (t/h)	功率 Power (kW)	含电机重量 Including Motor Weight (t)	外形尺寸 Overall Dimensions (mm)
PCH400×200	≤200	<30	970	8-12	7.5	1.3	780×890×570
PCH400×400	≤200	<30	970	16-25	11	1.6	980×890×570
PCH600×400	≤200	<30	970	22-23	15	2.2	1050×1270×800
PCH600×600	≤200	<30	980	30-60	30	2.8	1350×1270×1080
PCH800×800	≤200	<30	740	70-105	45	5.3	1750×1620×1080
PCH1000×1000	≤300	<30	740	160-200	90	7.6	2100×2000×1340
PCH1000×1600	≤300	<30	740	300-350	155	12	2700×2000×1350
PCH1200×1600	≤350	<30	740	620-800	280-355	19	4965×2500×1600
PCH1300×2200	≤400	<30	595	800	400	30	6333×3295×2505



Hammer crusher is called hammer mill, this series of crusher is the first choice of equipment for small sand production line with less investment and fast returns, change the form of cast grate, you can do a selective discharge. This series of products has the features of small size, light weigh, simple structure, easy operation, and maintenance, large crushing ratio, small over crushing, uniform product size, high production capacity, etc. Suitable for crushing various materials of brittle, medium-hard, compressive strength of 150 MPa. The characteristics is big hammer, the use of new technology casting, with wear -resistant, impact resistance, according to customer requirements, adjust the required size, while the sealed body structure solves the crushing workshop dust pollution and body leakage problems. And with advantages of beautiful overall design, compact structure, less wearing parts, easy maintenance, etc. it is a upgrading product.

锤式破碎机简称锤破，本系列破碎机是投资少、见效快的小型砂石生产线的首选设备，变换出料蓖条形式，可以做到选择性出料。本系列产品具有体积小、重量轻、结构简单、易操作维护、破碎比大、过粉碎小、产品粒度均匀、生产能力高等特点。适用于破碎脆性、中硬的、抗压强度 150MPa 的各种物料。特点为工作锤头大，采用新工艺铸造，具有耐磨、耐冲击、可据客户要求，调节需要的粒度，同时机体结构密封，解决了破碎车间的粉尘污染和机体漏灰问题。并且整体设计造型美观、结构紧凑，易损件少，维修方便等优点，是升级换代产品。

PC 系列锤式破碎机主要技术参数 Main Technical Parameters

型号 Model	进料粒度 Feed Size (mm)	出料粒度 Discharge Particle Size (mm)	转子转速 Rotor Rotating Speed (r/min)	产量 Capacity (t/h)	功率 Power (kW)	含电机重量 Including Motor Weight (t)
PC400×300	<200	<25	1000	8-15	11	0.82
PC500×350	<200	<25	1000	12-20	18.5	1.43
PC600×400	<250	<25	1200	15-30	22	1.73
PC800×600	<300	<30	1100	25-50	55	3.7
PC1000×800	<300	<30	1000	30-65	110	7.1
PC1000×1000	<300	<30	800	45-80	132	8.8
PC1200×1000	<300	<30	650	70-100	160	14.1

皮带输送机

Belt Conveyor



FU 型埋刮板输送机

FU Scraper Conveyor

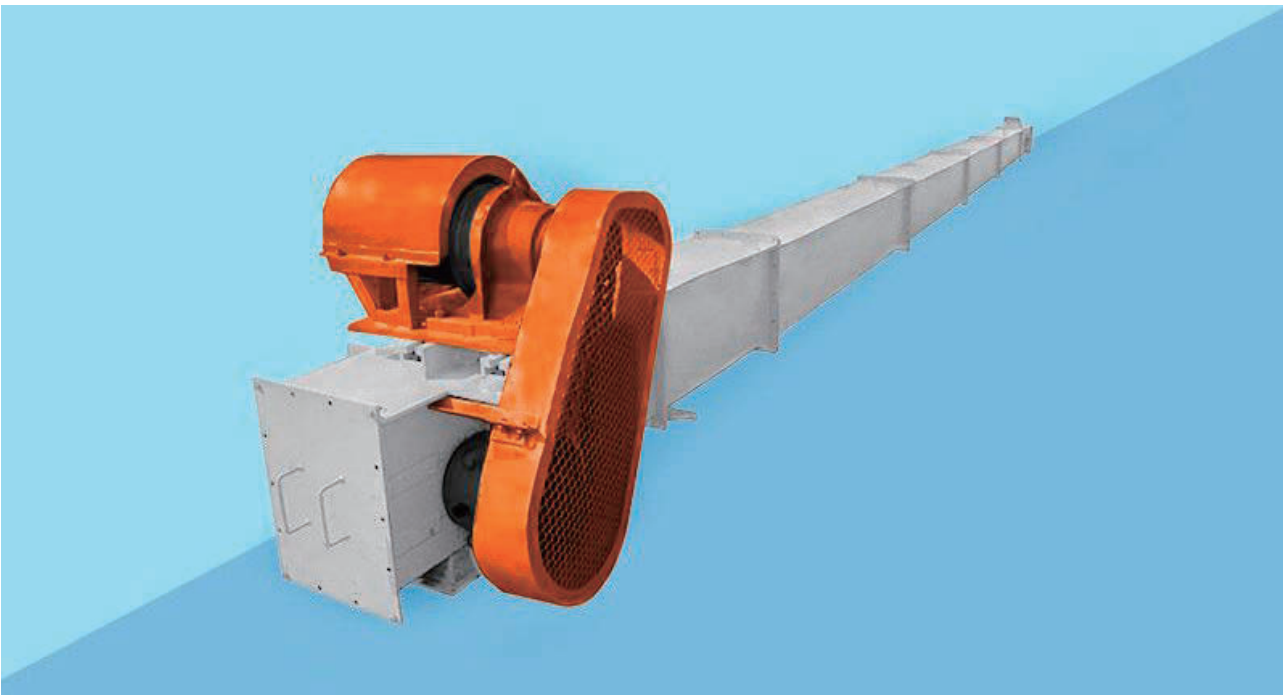


皮带输送机具有输送能力强，输送距离远，结构简单易于维护，能方便地实行程序化控制和自动化操作。运用输送带的连续或间歇运动来输送 100KG 以下的物品或粉状、颗粒物品，其运行高速、平稳，噪音低，并可以上下坡传送。

Belt conveyor has the features with strong transportation capacity, long transportation distance. The structure is simple and easy to maintain, can be easily implemented by the program control and automation. The use of conveyor belt continuous or intermittent movement to transport the following items under 100KG or powder, granule, the high-speed operation, smooth, low noise, and can send downhill.

皮带输送机主要技术参数 Main Technical Parameters

型号规格 Model	运输胶带 Belt			输送长度 Convey Length (m)	传动滚筒直径 Drive Drum Diameter (mm)	生产能力 Capacity (t/h)	功率 Power (kW)	重量 Weight (t)
	宽度 Width (mm)	速度 Speed (m/s)	倾角 Slope (°)					
TD-500	500	0.8~2.5	0~20	2~240	500、630	40~232	1.5~30	3.93
TD-650	650	0.8~2.5	0~20	2~240	500、630	67~391	1.5~45	5.1
TD-800	800	0.8~3.15	0~20	2~240	500、630	118~824	2.2~75	7.2
TD-1000	1000	1~3.15	0~20	2~240	500、630、800	230~1233	4~100	9.7



FU 型埋刮板输送机是原厂吸收国内外经验而设计的一种用于水平（或倾斜≤15°）输送粉状，小粒状物料的新产品，该产品结构新颖、设计合理、并且运行可靠、节能高效、使用寿命长，整个物料在密封的箱体输送，粉尘极少外溢。输送链在轨道上滚动，磨损较少，此产品已广泛应用于建材、化工、火电、粮食加工、矿山等行业，该机具有输送能力大、能耗低特点。

FU Scraper conveyor is used for horizontal (or slope ≤15°) conveying of powdery, small granular materials. The advantages of this product are: novel structure, reasonable design, reliable running, energy-saving, high efficiency and long service life. Materials are conveyed in sealing box without leak. The conveyor chain slide on the track has less abrasion. This product has been widely used in building materials, chemical, thermal power, food processing, mining and other industries due to its big conveying capacity and low energy consumption.

FU 型埋刮板输送机主要技术参数 Main Technical Parameters

型号 Model	槽宽 Slot Width (mm)	理想粒度 Ideal Size (mm)	10% 最大粒度 10% Max Size (mm)	最大输送斜度 Max Slope	最适输送量 Most Suitable Conveying Capacity (m³/h)							物料湿度 (含水百分比) Material Moisture
					链条线速 Chain Linear Velocity (m/min)							
					10	12	13.5	15	16	20	25	
FU150	150	<4	<8	≤15°	6-9			9-13		12-18	15-23	≤5%
FU200	200	<5	<10		12-16			18-24		24-32	30-40	
FU270	270	<7	<15		21-30	25-36	28-40	31-45	34-48	42-60	52-75	
FU350	350	<9	<18			40-56		54-75		72-100	90-125	
FU410	410	<11	<21			55-80		70-100		95-130	105-150	
FU500	500	<13	<25			80-110		105-145		140-200	160-225	

螺旋输送机

Screw Conveyor



鳞板输送机

Apron Conveyor

Screw conveyor has features of compact structure, small cross -sectional area, light weight, good sealing, high efficiency, flexible arrangement. It is convenient to assemble, dismantle, move and safety operation. It is suitable to convey all kinds of powdery, granular bulk materials, such as clay powder, coal, cement, sand, grains, small lump coal, gravel, scrap iron etc. But not suitable for sticky agglomerate, perishable materials. Screw conveyor has horizontal and inclined arrangement. It can work with other conveying device to complete the concentrated transportation, distribution, agitation, mixing, dehydration, dosing, unload, stacking operation etc.

螺旋输送机具有结构紧凑，横截面积小，重量轻，密封性能好，输送效率高，工艺布置灵活，装、拆、移动方便，操作安全等特点。适用于输送各种粉状、粒状、小块状的散状物料，如粘土粉、煤粉、水泥、砂、谷粒、小块煤、卵石以及铸铁切屑等。不适宜输送粘性大，易结块、易变质的物料。螺旋输送机按安装方式有水平和倾斜两种方式。可与其它输送工作装置配合使用，完成集运、分送、搅拌、混合、脱水、定置配料、卸载、堆垛等项作业。

GX 型螺旋输送机主要技术参数 Main Technical Parameters

转数 Revolving Speed (r/min)	规格型号 Model						
	GX150	GX200	GX250	GX300	GX400	GX500	GX600
	输送量 Capacity (m³/h)						
20	0.9	2.1	4.1	7.1	16.8	32.9	56.9
30	1.3	3.2	6.2	10.7	25.3	49.4	85.3
35	1.5	3.7	7.2	12.4	29.5	57.6	99.5
45	2	4.7	9.3	16.0	37.9	74.0	127.9
60	2.6	6.3	12.3	21.3	50.5	98.7	170.6
75	3.3	7.6	15.4	26.6	63.2	123.3	213.2
90	4	9.5	18.5	32.0	75.8	148.0	255.9

LS 型螺旋输送机主要技术参数 Main Technical Parameters

型号规格 Model	螺旋直径 Screw Diameter (mm)	螺距 Pitch (mm)	最高转速 Max Rev. Speed (r/min)	最大输送量 Max.Capacity (m³/h)		
				填充系数 Fill Coefficient		
				Φ=0.45	Φ=0.33	Φ=0.15
LS100	100	100	140	3	2.2	1
LS125	125	125	125	5.2	3.8	1.7
LS160	160	160	112	9.7	7.1	3.2
LS200	200	200	100	16.9	12.4	5.6
LS250	250	260	90	29.7	21.8	9.9
LS315	315	315	80	52.9	38.8	17.6
LS400	400	355	71	85.3	62.5	28.2
LS500	500	400	63	133.2	97.7	44.4
LS630	630	450	50	188.9	138.5	63
LS800	800	500	40	270.7	198.5	70.2
LS1000	1000	560	32	379	277.9	126.3
LS1250	1250	630	25	520.5	381.7	173.5



鳞板输送机是一种地面输送机，它可以沿水平、倾斜方向输送物料。该输送机用板链为牵引元件，不仅强度大、效率高、工作可靠，而且输送倾角可达 30° - 35° 弯曲半径一般约为 3m-5m, 还可以输送高温物料 (600℃ - 700℃)

Apron conveyor is working on the ground and it can convey material in horizontal and inclined direction. This machine use plate chain as driving part, which has features of large strength, high efficiency and reliable performance. The slope can be 30° -35° and bending radium is 3m-5m. It can also convey high temperature material (600-700℃).

鳞板输送机主要技术参数 Main Technical Parameters

类型 Type	输送槽宽度 Feeding Trough Width (mm)	输送速度 Speed (m/s)	侧板高度 Side Height (mm)	输送链节距 Chain Pitch (mm)	最大输送量 Max Capacity (m³/h)
轻型 Light	400	0.05-1.60	160-250	200	450
	500		160-315		700
	630		200-400		1150
	800		250-500	250	1850
中型 Medium	800	0.05-1.00	160-400	250	900
	1000		200-500		1400
	1200		250-500	315	1750



斗式提升机具有输送量大，提升高度高，运行平稳可靠，使用寿命长等显著优点。采用混合式或重力式卸料，挖取式装料。适用于输送堆积密度小于 1.5t/m³，易掏取的粉状、料状、小块状的低磨损性物料，如煤、水泥、碎石、砂、化肥、粮食等。输送的物料温度不超过 250℃。

Bucket elevator has significant advantages of large capacity, high elevating height, stable and reliable operation, long service life etc. It adopts mixed or gravity type for discharging and dig type for feeding. Bucket elevator is suitable for conveying material with bulk density less than 1.5t/m³. It is easy to take out powder, granular, small block of low mill cut material, such as coal, cement, gravel, sand, fertilizer, food etc. The material temperature can't exceed 250℃ .

斗式提升机主要技术参数 Main Technical Parameters

型号 Model	型式 Type	输送能力 Capacity (m³/h)		料斗 Hopper					传动轴转速 Drive Revolving Speed (r/min)	输送物料 最大块度 Max Size (mm)	提升高度 Elevating Height (m)
				容量 Volume (L)		斗距 Bucket Pitch (mm)	斗宽 Bucket Width (mm)	运行速度 Speed (r/min)			
		深斗 Deep Bucket	浅斗 Shallow Bucket	深斗 Deep Bucket	浅斗 Shallow Bucket						
TD160	胶带式 Belt Type	8.00	3.10	1.10	0.65	300	160	1.00	47.5	25	4.82~30.02
TD250	胶带式 Belt Type	21.60	11.80	3.20	2.60	400	250	1.25	47.5	35	4.48~30.08
TD350	胶带式 Belt Type	42.00	25.00	7.80	7.00	500	350	1.25	37.5	45	4.3~30.3
TD450	胶带式 Belt Type	69.60	48.00	15.00	14.50	640	450	1.25	37.5	55	4.54~34
TH160	环链离心式 Centrifugal Chain Type	6.00	2.20	1.10	0.65	400	160	0.87	47.5	25	4.84~30.02
TH250	环链离心式 Centrifugal Chain Type	14.00	6.80	3.20	2.60	500	250	0.87	47.5	35	4.84~30.08
TH300	环链离心式 Centrifugal Chain Type	28.00	16.00	5.20	4.40	500	300	1.25	37.5	40	4.66~30.16
TH400	环链离心式 Centrifugal Chain Type	47.20	30.00	10.50	10.00	600	400	1.25	37.5	50	4.52~30.32



NE 系列板链式提升机是引进国内外先进技术开发的产品。该系列提升机适用于垂直输送粉状、粒状和块状物料，也可提升磨损性大的物料，物料温度一般不超过 200℃，提升高度最高 40M。其特点主要有：提升范围广，输送能力大，驱动功率小，流入式喂料，重力诱导式卸料，使用寿命长，密封性好，运行平稳可靠，操作维修方便，结构紧凑、刚性好，运行费用低。

NE Plate Chain Elevator adopt advanced technology from domestic and abroad. This product is suitable for vertical conveying powder, granular, bulk and abrasive materials. Material temperature can't be higher than 200℃ and max lifting height can't be more than 40m.

- Advantages:
1. Wide range of elevating height.
 2. Strong capacity and small driving power.
 3. Feeding materials by automatic flowing and discharge through gravity Induction.
 4. Long service life and good leak tightness.
 5. Stable and liable operation; easy maintenance.
 6. Low running cost.

NE 型板链式提升机主要技术参数 Main Technical Parameters

型号 Model	最大提升量 Max Elevation Capacity (m³/h)	功率 Power (kW)	提升高度 (物料容重为 0.6~2.0t/m³) Elevation Height (density 0.6~2.0t/m³)
NE15	16	1.5-4.0	6.28-30.78
NE30	31	1.5-11	4.13-47.63
NE50	60	1.5-18.5	4.13-49.13
NE100	110	5.5-30	6.65-49.15
NE150	165	5.5-45	6.10-52.60
NE200	220	15-75	5.73-47.23
NE300	320	15-90	4.23-54.73
NE400	441	15-132	12.6-54.7

GZ 系列电磁振动给料机

GZ Series Electromagnetic Vibrating Feeder



GZ 系列电磁振动给料机

GZ Series Electromagnetic Vibrating Feeder



GZ 系列电磁振动给料机主要用于矿山、冶金、化工、煤炭、机械等各个行业，可把块状、颗粒状、粉状物料均匀、连续、定量地给到受料装置中去。本系列产品种类繁多，并可根据用户要求单独设计，专门制造，所有型号的电磁振动给料机，均能很方便地实行手动或自动控制给料量。

GZ series electromagnetic vibrating feeder is mainly used for mining, metallurgical, chemical, coal, machinery and other industries. It could feed block, grain and powder materials evenly and continuously into receiving device. This series products can be specially designed and customized according to customers demand with Furthermore, all types electromagnetic vibration feeder can be operated manual or automatic control.

GZ 系列电磁振动给料机主要技术参数 Main Technical Parameters

类型 Type	型号 Model	生产率 Capacity (t/h)		给料粒度 Feed Size (mm)	双振幅 Double Amplitude (mm)	供电电压 Power Supply (V)	电流 Capacity(A)		功率 power (kW)	配套控制箱型号 Matched Control Boxmodel	设备总重 Matched Control Box (kg)
		水平 Horizontal	-10°				工作电流 Working Current	表示电流 Display Current			
基本型 Basic Type	GZ1	5	7	50	1.75	220	1.34	1	0.06	XKZ-5G2	73
	GZ2	10	14	50			3	2.3	0.15		146
	GZ3	25	35	75			4.58	3.8	0.2	XKZ-10G2	217
	GZ4	50	70	100			8.4	7	0.45	XKZ-20G2	412
	GZ5	100	140	150	1.5	380	12.7	10.6	0.65		666
	GZ6	150	210	200			16.4	13.3	1.5	XKZ-20G3	1252
	GZ7	250	350	250			24.6	20	3	XKZ--100G3	1920
	GZ8	400	560	300			39.4	32	4		3040
	GZ9	600	840	350			47.6	38.6	5.5	XKZ-200G3	3750
	GZ10	750	1050	500			39.4x2	32x2	4x2	XKZS-200G3	6495
	GZ11	1000	1400	500			47.6x2	38.6x2	5.5x2		7680

GZ 系列电磁振动给料机主要技术参数 Main Technical Parameters

类型 Type	型号 Model	生产率 Capacity (t/h)		给料粒度 Feed Size (mm)	双振幅 Double Amplitude (mm)	供电电压 Power Supply (V)	电流 Capacity(A)		功率 power (kW)	配套控制箱型号 Matched Control Box Model	设备总重 Matched Control Box (kg)
		水平 Horizontal	-10°				工作电流 Working Current	表示电流 Display Current			
上振型 Upper Vibration Type	GZ3S	25	35	75	1.75	220	4.58	3.8	0.2	XKZ-20G3	242
	GZ4S	50	70	100			8.4	7	0.45	XKZ-20G2	457
	GZ5S	100	140	150			12.7	10.6	0.65		666
	GZ6S	150	210	200	1.5	380	16.4	13.3	1.5	XKZ-20G3	1246
	GZ7S	250	350	250			24.6	20	3	XKZ-100G3	1960
	GZ8S	400	560	300			39.4	32	4		3306
封闭型 Closed Type	GZ1F	4	5.6	40	1.75	220	1.34	1	0.06	XKZ-5G3	77
	GZ2F	8	11.2	40			3	2.3	0.15		154
	GZ3F	20	28	60			4.58	3.8	0.2		246
	GZ4F	40	56	60			8.4	7	0.45	XKZ-20G2	464
	GZ5F	80	112	80			12.7	10.6	0.65		668
	GZ6F	120	168	80	1.5	380	16.4	13.3	1.5	XKZ-20G3	1278
轻槽型 Light Trough Type	GZ5Q	100	140	200	1.5	220	12.7	10.6	0.65	XKZ-20G2	682
	GZ6Q	150	210	250		380	16.4	13.3	1.5	XKZ-20G2	1326
	GZ7Q	250	350	300			24.6	20	3	XKZ-100G3	1992
	GZ8Q	400	560	350			39.4	32	4		3046
平槽型 Flat Trough Type	GZ5P	50	70	100	1.5	220	12.7	10.6	0.65	XKZ-20G2	633
	GZ6P	75	105			380	14.1	13.3	1.5	XKZ-100G3	1238
	GZ7P	125	175			380	24.6	20	3	XKZ-100G3	1858
宽槽型 Wide Trough Type	GZ5K1		200	100	1.5	220	12.7x2	10.6x2	0.65x2	XKZ-20G2	1316
	GZ5K2		240								1343
	GZ5K3		270								1376
	GZ5K4		300								1408
圆管型 Circular Tube Type	GZ1G	2		50	1.75	220	1.34	1	0.06	XKZ-5G3	80
	GZ2G	4		50			3	2.3	0.15		154
	GZ3G	10		60			4.58	3.8	0.2		234
	GZ4G	20		70			8.4	7	0.45	XKZ-20G2	448
	GZ5G	40		80			12.7	10.6	0.65		668

ZSW 系列振动给料机

ZSW Series Vibrating Feeder



GZT 系列棒条喂料机

GZT Series Vibrating Feeder



ZSW 系列振动给料机主要用于粗破碎机前连续、均匀给料，同时可筛分细料，使破碎机能力增大。

特点及优势：

直线运动轨迹振动平稳特殊栅条设计，可防止物料堵塞，栅条间隙可调。可选装无极调速电机，便于控制给料量，无需频繁启动电机。

ZSW Series Vibrating Feeder is mainly used to feed material into primary crusher evenly and continuously. Meanwhile, it can screen material and strengthen the capacity of the crusher.

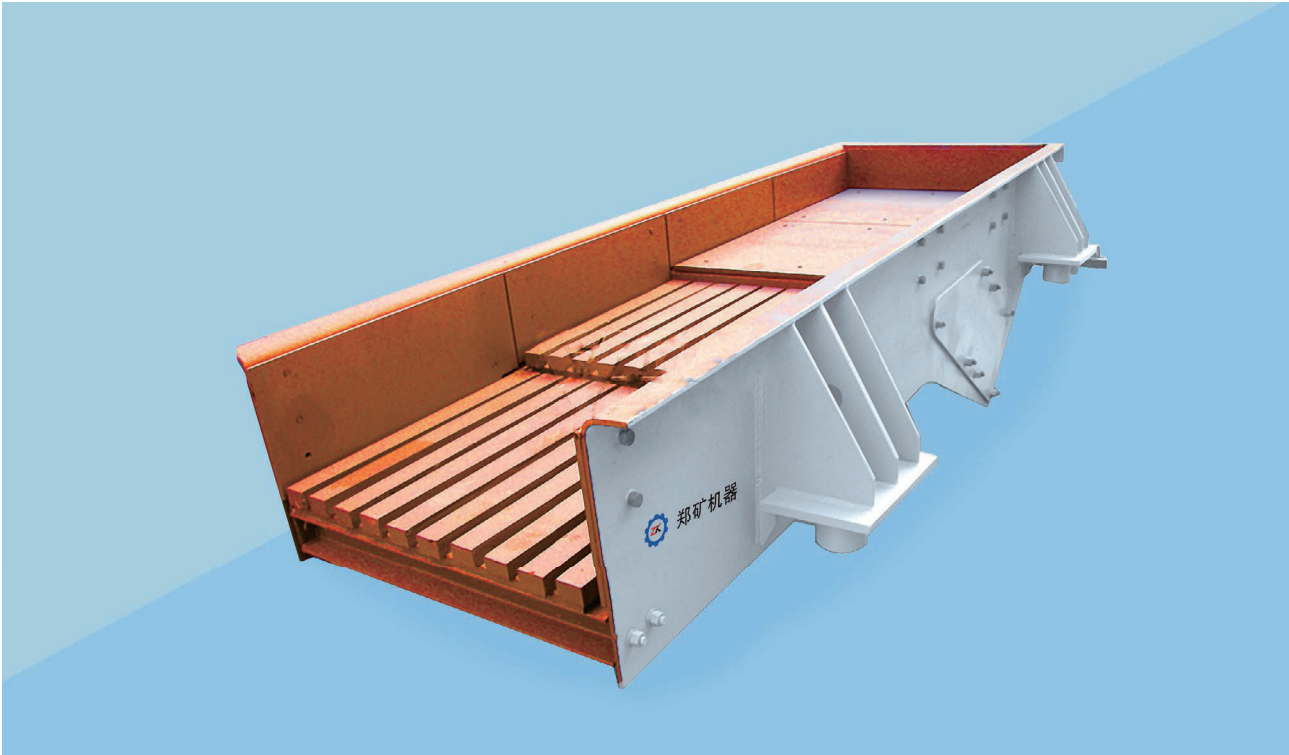
Feature and Advantage:

(1)Smooth vibration. (2)Special bar to prevent the block of raw material. (3)The distance between bars is adjustable.

(4)Stepless speed-regulated motor which could be additionally mounted so as to control the feeding capacity without frequent start-up of motor.

ZSW 系列振动给料机主要技术参数 Main Technical Parameters

型号规格 Model	最大进料粒度 Max Feed Size (mm)	处理能力 Capacity (t/h)	电机功率 Motor Power (kW)	料槽尺寸 Size Of Funnel (mm)	重量 Weight (kg)
ZSW-380x95	500	96-160	11	3800x950	4800
ZSW-490x95	500	120-240	11	4200x950	5400
ZSW-490x110	580	120-280	15	4900x1100	6300
ZSW-590x110	600	200-350	22	5900x1100	7300
ZSW-600x130	750	400-560	22	6000x1300	9200



GZT 系列棒条振动给料机系消化吸收瑞典、芬兰技术设计制造，并采用引进日本技术生产的振动电机为激振源。该系列给料机用于粗、碎破碎机前大块物料的均匀给料，同时由于棒条筛面的作用，又能除掉泥土等细碎物料达到预筛分功能，能够提高粗碎能力。特别适用于水电行业、建筑石料、金属矿石等粗碎前的给料用。

GZT Series vibrating feeder absorbs technology from Sweden & Finland and the excitation source use vibration motor with Japanese technology. It is used to feed material into primary crusher evenly. It can remove soil and small size material for pre-screening due to its rod screen. So it increases primary crushing capacity. It is especially suitable for feeding material before coarse crushing like building stone, metal ores, etc.

GZT 系列棒条喂料机主要技术参数 Main Technical Parameters

规格 Model	最大进料粒度 Max Feed Size (mm)	处理能力 Capacity (t/h)	电机功率 Motor Power (kW)	倾角 Slope (°)	重量 Weight (kg)
GZT-0724	450	30-80	2x1.5	10	2936
GZT-0932	560	80-150	2x2.4	10	3359
GZT-0940	560	80-180	2x3.2	10	3608
GZT-1148	600	150-300	2x5.5	10	4808
GZT-1256	800	180-400	2x7.5	10	5994
GZT-1560	1000	400-600	2x13	10	9896

YA 型圆振动筛

YA Series Circular Vibrating Screen



YK 系列圆振动筛

YK Series Circular Vibrating Screen



用途
YA 型圆振动筛主要适用于煤炭、冶金、矿山、发电、建材工业、水利工程、轻工和化工等行业。对煤、矿石、焦炭等散状物料分级的一种高效率筛分机械。

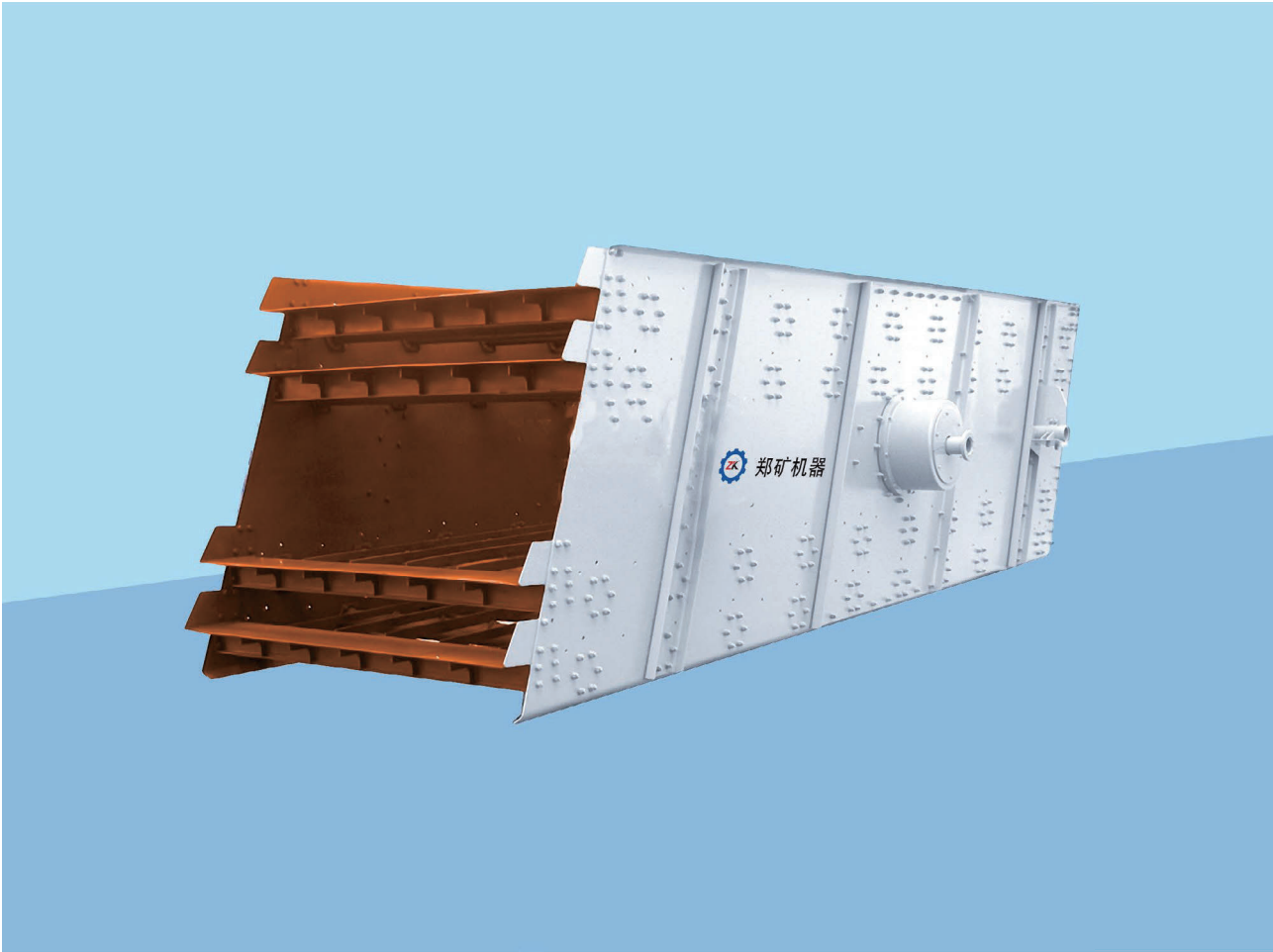
工作原理与结构特征
该振动筛的运动由电机通过三角胶带驱动具有偏心质量的振动器，而使筛箱产生振动，筛箱的运动轨迹为圆形。该振动筛由筛箱、振动器、弹簧减振装置和支撑底架等组成。筛箱采用先进的环槽铆钉联接，组成框架式结构。振动器采用偏心轴加偏心块式。弹簧减振装置采用钢制螺旋弹簧。

Application
YA Circular Vibrating Screen is primarily applied in coal, metallurgical, power generation, building material, water conservancy, light and chemical industries and other industries and a highly efficient screening machine to classify coal, ore, coke and other bulk materials.

Working Principle and Structural Feature
The screen is operated by electric motor to drive vibrator with eccentric mass via deltabelt, allowing screen box to vibrate,with the motional orbit of the screen box being circular. The screen is composed of screen box, vibrator, spring, damping, supporting underframe and others.The screen box uses the advanced ring groove rivet for connection and si of frame structure. The vibrator adopts eccentric shaft and eccentric block and the spring damping device uses steel sprral spring.

YA 型圆振动筛主要技术参数 Main Technical Parameters

型号规格 Model	筛网 Screen			给料粒度 Feed Size (mm)	生产能力 Capacity (t/h)	振动频率 Vibration Frequency (v.p.m)	功率 Power (kW)	重量 Weight (kg)
	层数 Layer	面积 Area (m²)	筛孔尺寸 Mesh Size (mm)					
YA1848	1	7.5	6-50	≤200	150-525	845	15	6289
2YA1848	2	7.5	6-50	≤200	150-525	845	15	6945
YAH1848	1	7.5	30-150	≤50	250-1000	755	13	7122
2YAH1848	2	7.5	30-150	≤400	250-1000	755	15	7740
YA2148	1	10	6-50	≤210	180-630	748	18.5	9287
2YA2148	2	10	6-50	≤210	180-630	748	22	10532
YAH2148	1	10	13-200	≤400	270-1200	708	18.5	10430
2YAH2148	2	10	30-150	≤400	270-1200	708	22	11190
YA2160	1	12	6-50	≤200	230-800	748	18.5	9926
2YA2160	2	12	6-50	≤200	230-800	748	22	11249
YAH2160	2	12	30-150	≤400	350-1500	708	30	12490
2YAH2160	1	12	30-150	≤400	350-450	708	30	13858
YA2448	1	11	6-50	≤200	200-700	748	18.5	9834
YAH2448	2	11	6-50	≤400	310-1300	708	30	11830
2YAH2448	1	11	30-150	≤400	310-1300	708	30	13012
YA2460	2	14	6-50	≤200	260-780	748	30	12240
2YA2460	1	14	6-50	≤200	260-780	748	30	13583
YAH2460	2	14	30-150	≤400	400-1700	708	30	13096
2YAH2460		14	30-150	≤400	400-1700	708	30	14420



YK 系列引进德国技术制造的高效振动筛。适宜采石场筛分砂石料，也可用于选煤、选矿、建材、电力及化工等行业。

特点及优势：

1. 采用块偏心作为激振力，激振力强；

2. 筛子横梁与筛箱采用高强度螺栓联结，无焊接；

3. 筛机结构简单，维修方便快捷；

4. 采用轮胎联轴器，柔性联接，运转平稳；

5. 筛分效率高、处理量大、寿命长。

YK Series Circular Vibrating Screen adopts German technology. It is suitable of screening stones in quarry, and also can be applied in the coal dressing, ore dressing, building materials, electricity and chemical industry, etc.

Features and Advantages:

1. Adopt eccentric block as vibrating force, the vibration force is strong.

2. The beam and case of the screen are connected with high strength bolts without welding.

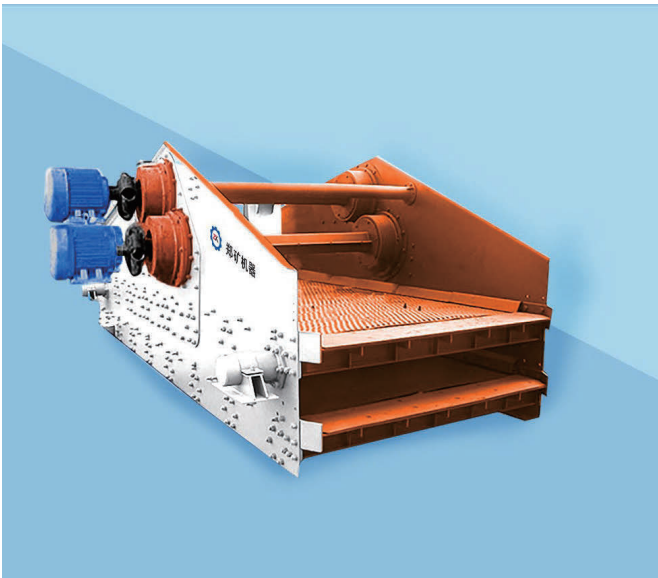
3. Simple structure, easy to maintenance.

4. Adopt tire coupling and soft connection makes operation smooth.

5. High screening efficiency, large capacity, long service life.

YK 系列圆振动筛主要技术参数 Main Technical Parameters

型号规格 Model	筛网层数 Screen Layer	筛网面积 Screen Size (m²)	振动频率 Vibration Frequency (r/min)	双振幅 Double-amplitude (mm)	处理能力 Capacity (m³/h)	电机功率 Motor Power (kW)	外形尺寸 Overall Dimensions (LxWxH) (mm)	重量 Weight (kg)
2YK1224	2	2.88	970	6-8	20-120	5.5	2673x2382x2027	1750
YK1235	1	4.2	970	6-8	20-150	5.5	3710x2464x1450	1729
2YK1235	2	4.2	970	6-8	20-150	7.5	3705x2393x2339	2476
3YK1235	3	4.2	970	6-8	20-150	7.5	3621x2521x2581	3158
4YK1235	4	4.2	970	6-8	20-150	11	3510x2521x2830	4160
YK1545	1	6.75	970	6-8	20-150	11	4904x3044x2179	3319
2YK1545	2	6.75	970	6-8	20-150	15	5042x3090x3165	5308
3YK1545	3	6.75	970	6-8	20-150	15	4972x3090x3395	5915
4YK1545	4	6.75	970	6-8	20-150	18.5	4915x3155x3804	7260
YK1548	1	7.2	970	6-8	20-150	11	5190x3044x2186	3319
2YK1548	2	7.2	970	6-8	20-150	15	5265x3140x3208	5284
3YK1548	3	7.2	970	6-8	20-150	15	5200x3090x3440	6186
4YK1548	4	7.2	970	6-8	20-150	18.5	5200x3155x3849	7284
YK1860	1	10.8	970	6-8	32-350	15	6302x3365x2992	4651
2YK1860	2	10.8	970	6-8	32-350	18.5	6020x3455x3756	6195
3YK1860	3	10.8	970	6-8	32-350	18.5	6020x3455x4180	7613
4YK1860	4	10.8	970	6-8	32-350	22	5963x3505x4463	8650
YK2160	1	12.6	970	6-8	66-720	18.5	6302x3730x2992	4917
2YK2160	2	12.6	970	6-8	66-720	22	5966x3958x3975	6856
3YK2160	3	12.6	970	6-8	66-720	30	5966x3958x4400	9112
4YK2160	4	12.6	970	6-8	66-720	30	5966x3958x4780	11405
YK2460	1	14.4	970	6-8	75-750	18.5	6302x4155x2992	5243
2YK2460	2	14.4	970	6-8	75-750	30	6027x4308x3975	8503
3YK2460	3	14.4	970	6-8	75-750	30	6027x4308x4400	10411
4YK2460	4	14.4	970	6-8	75-750	30	5966x4308x4780	12068
2YK2475	2	18	970	6-8	120-900	30	7812x4308x4642	10709
3YK2475	3	18	970	6-8	120-900	37	7718x4393x5033	13400
4YK2475	4	18	970	6-8	120-900	45	7718x4494x5361	15500
YK3060	1	18	970	6-8	200-900	30	6302x4943x3108	14052
2YK3060	2	18	970	6-8	200-900	37	6207x4943x3985	17185
3YK3060	3	18	970	6-8	200-900	45	6207x4943x4485	19200
4YK3060	4	18	970	6-8	200-900	45	6207x4943x4785	21080



ZK 系列直线振动筛是根据我国生产需要，在消化、吸收国外振动筛的基础上，总结我们多年的研究设计和使用的经验，结合我国国情研制出来的新型系列振动筛。

通过多年生产实践，证明该系列筛机具有处理量大，技术参数合理，结构强度、刚度、高、系列化、通用化，标准化程度高，运转平稳可靠、噪音小、维护检修方便等一系列优点。

ZK Series Linear Vibrating Screen is a new type series of vibrating screen which is designed based on the needs of domestic requirements. It absorbs oversea technology and summarize design and years practical experience.

Through many years practice, it is proved that this series screen has advantages below:

Large capacity, high strength, stable and reliable performance, low noise and easy maintenance.

ZK 系列直线振动筛主要技术参数 Main Technical Parameters

型号 Model	筛面 /Screen Deck		给料粒度 Max Feed Size (mm)	电机功率 Motor Power (kW)	产量 Capacity (t/h)	重量 Weight (t)
	面积 Area (m²)	倾角度 Installation Slope (°)				
ZK1022	2.25	-5~5	<250	3x2	4.5-90	2.20
ZK1230	3.60	-5~5	<250	4x2	7.2-144	2.60
ZK1237	4.50	-5~5	<250	5.5x2	9-180	3.10
ZK1437	5.25	-5~5	<250	5.5x2	12-250	3.20
ZK1445	6.30	-5~5	<250	7.5x2	12.6-252	4.10
ZK1637	6.00	-5~5	<250	5.5x2	12-240	3.50
ZK1645	7.32	-5~5	<250	11x2	95-280	4.50
ZK1837	6.75	-5~5	<250	11x2	90-270	5.00
ZK1845	8.10	-5~5	<250	11x2	16.2-234	5.50
ZK1852	9.45	-5~5	<250	11x2	18.9-378	5.90
ZK2045	9.00	-5~5	<250	11x2	16.2-324	6.00
ZK2052	10.5	-5~5	<250	11x2	21-420	6.40
ZK2060	12.00	-5~5	<250	15x2	24-480	7.60
ZK2445	10.80	-5~5	<250	15x2	21.6-432	7.40
ZK2452	12.60	-5~5	<250	15x2	25.2-504	8.20
ZK2460	14.40	-5~5	<250	15x2	28.8-576	9.20
ZK3045	13.50	-5-5	<250	15x2	27-540	10.00
ZK3052	15.75	-5~5	<250	22x2	31.4-628	10.00
ZK3060	18.00	-5~5	<250	22x2	17.5-525	11.00
ZK3645	18.00	-5~5	<250	22x2	37.8-756	12.20

ZK 系列直线振动筛

ZK Series Linear Vibrating Screen



ZS 系列直线振动筛

ZS Series Linear Vibrating Screen

ZK 系列直线振动筛主要技术参数 Main Technical Parameters

型号 Model	筛面 Screen Deck		给料粒度 Max Feed Size (mm)	电机功率 Motor Power (kW)	产量 Capacity (t/h)	重量 Weight (t)
	面积 Area (m ²)	倾角度 Installation Slope (°)				
ZK3652	18.90	-5~5	<250	22x2	43.2-864	13.40
ZK3660	21.60	-5~5	<250	22x2	43.2-864	14.30
ZK3675	27.00	-5~5	<250	30x2	54-1080	17.10
2ZK1022	2.25	-5~5	<250	4x2	4.5-90	3.00
2ZK1230	3.60	-5~5	<250	5.5x2	7.2-144	3.70
2ZK1237	4.50	-5~5	<250	7.5x2	9-180	4.40
2ZK1437	5.25	-5~5	<250	7.5x2	12-250	5.00
2ZK1445	6.30	-5~5	<250	15x2	12.6-252	6.90
2ZK1637	6.00	-5~5	<250	15x2	12-240	6.90
2ZK1645	7.32	-5~5	<250	15x2	95-280	8.60
2ZK1837	6.75	-5~5	<250	15x2	90-270	7.90
2ZK1845	8.10	-5~5	<250	15x2	16.2-234	8.10
2ZK1852	9.45	-5~5	<250	15x2	18.9-378	9.00
2ZK2045	9.00	-5~5	<250	15x2	16.2-324	9.10
2ZK2052	10.50	-5~5	<250	22x2	21-420	10.10
2ZK2060	12.00	-5~5	<250	22x2	24-480	10.80
2ZK2445	10.80	-5-5	<250	22x2	21.6-432	11.00
2ZK2452	12.60	-5~5	<250	22x2	25.2-504	12.50
2ZK2460	14.40	-5~5	<250	22x2	28.8-576	13.50
2ZK3045	13.50	-5~5	<250	30x2	27-540	15.40
2ZK3052	15.75	-5-5	<250	37x2	31.4-628	16.90
2ZK3060	18.00	-5~5	<250	37x2	17.5-525	18.20
2ZK3645	16.20	-5~5	<250	45x2	37.8-756	21.00
2ZK3652	18.90	-5~5	<250	45x2	43.2-864	24.00
2ZK3660	21.60	-5~5	<250	45x2	43.2-864	25.40



ZS 系列直线振动筛的用途和特点：
ZS 系列直线振动筛广泛应用于冶金、建材、化工、耐火、水泥、粮食、食品等行业对各种物料的分级作业。ZS 系列直线振动筛体积小，重量轻，能耗少，噪声低，结构简单，筛网更换方便。

ZS Series Linear Vibrating Screen uses and features:
ZS series Linear Vibrating Screen is widely used in metallurgy, building materials, chemical, refractory materials, cement, grain, food and other industries for the separation of various materials. ZS series Linear Vibrating Screen has the following features: small size, light weight, low energy consumption, low noise, simple structure, easy to replace the screen mesh.

ZS 系列直线振动筛主要技术参数 Main Technical Parameters

型号 Model	粒度 Particle Size (mm)	筛分能力 Screening Capacity (t/h)	电压 Voltage (V)	功率 Power (kW)	振频 (次/分钟) Vibration Frequency (per/min)	双振幅 Double Amplitude (mm)	激振力 Exciting Force (kN)	重量 Weight (kg)			电控箱 Electric Cabinet (xk2-)
								单层 Single Layer	双层 Double Layer	三层 Three Layer	
ZS-I-0.4x1.2	≤30	6	380	0.2x2	1450	2-4	5x2	317	347	408	0.20
ZS-I-0.5x1.2	≤30	7	380	0.4x2	1450	2-4	8x2	370	423	570	0.40
ZS-I-0.6x1.2	≤30	8	380	0.4x2	1450	2-4	8x2	455	513	605	0.40
ZS-I-0.7x1.5	≤50	12	380	0.75x2	1450	2-4	16x2	650	721	734	0.75
ZS-I-0.8x1.6	≤50	14	380	0.75x2	1450	2-4	16x2	685	770	903	0.75
ZS-I-0.9x1.8	≤50	15	380	1.5x2	960	2-4	20x2	870	1035	1158	1.50
ZS-I-0.9x2.4	≤60	16	380	1.5x2	960	2-4	20x2	1120	1184	1315	1.50
ZS-I-1.2x2.4	≤60	20	380	2.2x2	960	2-5	30x2	1245	1467	1789	2.20
ZS-I-1.2x3.0	≤60	24	380	2.2x2	960	2-5	30x2	1490	1747	2086	2.20
ZS-I-1.5x3.0	≤60	28	380	3.7x2	960	2-5	50x2	1918	2036	2323	3.70

BF 型自吸搅拌式浮选机

BF Series Auto Suction Flotation Machine



The impeller of BF series flotation machine is composed of closed double frustum, which can produce strong ore slurry circulation. Its characteristic are:

- (1) Big suction intensity and low power consumption;
- (2) Each slot have combine the function of suction air, suction slurry and flotation, constitute flotation circuit, no need any auxiliary equipment, with horizontal disposition, is advantageous for flow change;
- (3) The slurry circulation is reasonable, can maximum limit reduce the coarse sand precipitation;
- (4) Equipped with automatic control and electrical control for the slurry surface which is convenient for adjustment.

- BF 型浮选机叶轮是由闭式双截锥体组成，可产生强的矿浆下循环，其特点：
- (1) 吸气量大，功耗低。
 - (2) 每槽兼有吸气，吸浆和浮选三重功能，自成浮选回路不需任何辅助设备，水平配置，便于流程变更。
 - (3) 矿浆循环合理，能最大限度地减少粗砂沉淀。
 - (4) 设有矿浆面的自控和电控装置，调节方便。

BF 型自吸搅拌式浮选机主要技术参数 Main Technical Parameters

型号规格 Model	容积 Volume (m³)	槽体尺寸 Cell Size (mm)	叶轮直径 Impeller Diameter (mm)	处理能力 Capacity (m³/min)	电机功率 Motor Power (kW)	单槽重量 Single Cell Weight (kg)
BF-0.37	0.37	740x740x750	286	0.2-0.4	1.5/1.1	470
BF-0.65	0.65	850x950x900	300	0.3-0.7	3.0/1.1	932
BF-1.2	1.2	1050x1150x1100	450	0.6-1.2	5.5/1.1	1370
BF-2.0	2	1400x1450x1120	500	1-2	7.5/1.1	1750
BF-2.8	2.8	1650x1650x1150	550	1.4-3	11/1.5	2130
BF-4	4	1900x2000x1200	650	2-4	15/1.5	2585
BF-6	6	2200x2350x1300	700	3-6	18.5/1.5	3300
BF-8	8	2250x2850x1400	760	4-8	30/1.5	4130
BF-10	10	2250x2850x1700	760	5-10	30/1.5	4660
BF-16	6	2850x3800x1700	850	8-16	37/1.5	8320
BF-20	20	2850x3800x2000	850	10-20	37/1.5	8670
BF-24	24	3150x4150x2000	920	12-24	45/1.5	8970



XCF/KYF 型充气搅拌式浮选机

XCF/KYF Series Aeration Flotation Machine



XCF 型与 KYF 型浮选机均属充气型浮选机，其叶轮直径小，圆周速度低，可降低功率 30-50%；槽内设有空气分配器，从而使空气分散均匀；叶轮起离心泵作用，可使固体颗粒充分悬浮；采用 u 型槽结构，可使尾沙沉积最少；叶轮结构及叶片间隙流道设计合理，叶轮磨损较均匀，叶轮、定子使用寿命长。

KYF 型机无自吸矿浆能力，功率较低；XCF 型具有自吸矿浆能力，可水平放置，不需要泡沫泵，但功耗较 KYF 略高一些，因而一般都将 XCF 型和高 KYF 型配置成机组，XCF 型为吸入槽，KYF 型为直流槽，联合机组可水平放置，不需泡沫泵。

The XCF and KYF series flotation machine all belongs to pneumatic flotation machine. They have impeller with smaller diameter, low peripheral speed and can reduce 30-50% energy consumption; The air inside the groove can evenly dispersed because equipped with air distributor; The impeller act as a centrifugal pump to make the granular fully suspending; The groove have U type to reduce tail sand settlement to the least; The impeller structure and gap between each impeller have reasonable designing, so that the wearing of impeller is evenly to keep the impeller and stator with long service life.

The KYF series flotation machine is unable to suction the slurry automatically, but have lower energy consumption; The XCF series flotation machine is able to suction slurry automatically, and can be located horizontally without foam pump. But it has more energy consumption compare with the KYF series. Therefore, generally combine the XCF and KYF into a set, XCF as the sucking groove, KYF as direct groove. The combined set can be arranged horizontally without foam pump.

XCF/KYF 型充气搅拌式浮选机主要技术参数 Main Technical Parameters

型号规格 Model	容积 Volume (m³)	槽体尺寸 Cell Size (mm)	叶轮直径 Impeller Diameter (mm)	叶轮转速 Impeller Rotate Speed (r/min)	处理能力 Capacity (m³/min)	电机功率 Power (kW)	单槽重量 Single Cell Weight (kg)
XCF/KYF	1	1000x1000x1100	400/340	358/281	0.2-1	5.5/4/1.1	920/1056
XCF/KYF	2	1300x1300x1250	470/410	331/247	0.4-2	7.5/5.5/1.1	1158/1346
XCF/KYF	3	1600x1600x1400	540/480	266/219	0.6-3	11/7.5/1.5	2172/2074
XCF/KYF	4	1800x1800x1500	620/550	215/200	1.2-4	15/11/1.5	2375/2100
XCF/KYF	6	2050x2050x1750	620/550	215/200	3-6	15/11/1.5	3545/3278
XCF/KYF	8	2200x2200x1950	720/630	185/175	3-8	22/15/1.5	4142/3857
XCF/KYF	10	2400x2400x2100	760/660	185/175	3-10	22/15/1.5	4894/4334
XCF/KYF	16	2800x2800x2400	860/740	160	4-6	37/30/1.5	6928/7575
XCF/KYF	20	3000x3000x2700	910/780	160	4-20	37/30/1.5	9200/8240
XCF/KYF	24	3100x3100x2900	950/800	153	4-24	37/30/1.5	10819/9820
XCF/KYF	30	3500x3500x3025	880/900	140	10-30	45/37/1.5	14810/13820
XCF/KYF	38	3600x3600x3400	1050/880	138	10-38	45/45/1.5	16900/16300
XCF/KYF	40	3800x3800x3400	1050/1050	138	10-40	45/45/1.5	18790/17097
XCF/KYF	50	4400x4400x3500	1200/1030	134	10-40	90/75/1.5	22000/22000
XCF/KYF	70	5100x5100x3800	1120/1120	121	13-50	90/90/1.5	26200/26200
XCF/KYF	100	5900x5900x4200	1260/1260		20-60	132/110/1.5	33500/26200

XJ/SF 型自吸搅拌式浮选机

XJ/SF Series Auto Suction Flotation Machine



XB 型矿用搅拌槽

XB Series Agitating Tank



XJ/SF 型浮选机采用了结构新颖的前倾式槽体，双叶片水轮，配有导流管和假底装置，槽内矿浆按固定的流动方式进行上、下双循环，有利于粗颗粒矿物的悬浮，可自吸空气，自吸矿浆，不需泡沫泵。

The XJ/SF series flotation machine adopt forerake style slot with new type structure and double impellers water-wheel, fitting diversion duct and false base. The slurry inside the groove can process upward and downward circuit according to fix flow type, which is helpful to suspend the coarse particles. This flotation can suction air and slurry automatically without foam pump.

XJ/SF 型自吸气机械搅拌式浮选机主要技术参数 Main Technical Parameters

型号规格 Model	容积 Volume (m³)	槽体尺寸 Cell Size (mm)	叶轮直径 Impeller Diameter (mm)	叶轮转速 Impeller Rotate Speed (r/min)	处理能力 Capacity (m³/min)	功率 Power (kW)	单槽重量 Single Cell Weight (kg)
XJ-3	0.35	700x700x700	300	483	0.18-0.4	2.2/0.55	430
XJ-6	0.62	820x900x850	350	400	0.3-0.9	3/1.1	755
XJ-11	1.1	1100x1100x1100	500	330	0.6-1.6	5.5/1.1	1416
XJ-28	2.8	1750x1600x1100	600	280	1.5-3.5	11/1.1	2113
XJ-58	5.8	2200x2200x1200	750	240	3-7	22/1.5	3400
SF-0.37	0.37	700x700x750	296	386	0.2-0.4	1.5/0.55	468
SF-0.7	0.7	820x900x950	350	400	0.3-0.9	3/1.1	805
SF-1.2	1.2	1100x1100x1100	450	312	0.6-1.2	5.5/1.1	1373
SF-2.8	2.8	1700x1600x1150	550	268	1.5-3.5	11/1.5	2138
SF-4	4	1850x2050x1200	650	220	2-4	15/1.5	2582
SF-8	8	2200x2900x1400	760	191	4-8	30/1.5	4129
SF-10	10	2200x2900x1700	760	191	5-10	30/1.5	4486
SF-16	16	2850x3800x1700	760	191	5-16	30x2/1.5	8320
SF-20	20	2850x3800x2000	760	191	5-20	30x2/1.5	9828



搅拌槽适用于各行业湿法搅拌浆体物料，使矿粒悬浮并与药剂充分接触，混匀，为选别作业创造条件。

The Agitating tank is widely used for stirring slurry materials under by wet process in various industries. The mineral ore can be suspended and have sufficient mixed with reagent, which is prepared for separation process.

XB 型矿用搅拌槽主要技术参数 Main Technical Parameters

型号 Model	槽体直径 Tank Diameter (m)	槽体高度 Tank Height (m)	槽体容积 Tank Volume (m³)	叶轮直径 Impeller Diameter (m)	叶轮转速 Impeller Rolote Speed (r/min)	功率 Power (kw)	重量 Weight (t)
XB1000	1.00	1.00	0.58	0.24	530	1.1	0.44
XB1500	1.50	1.50	2.20	0.40	320	1.1	1.08
XB2000	2.00	2.00	5.46	0.55	230	5.5	1.67
XB2500	2.50	2.50	11.20	0.65	200	18.5	3.44
XB3000	3.00	3.00	19.10	0.70	210	22	4.61
XB3500	3.50	3.50	30.00	0.85	230	30	7.28
XB4000	4.00	4.00	45.00	1.00	210	37	9.3
XB4500	4.50	4.50	65.00	1.30	135	37	11.8
XB5000	5.00	5.50	100.00	1.50	55	55	14.22

XBT 提升式搅拌槽主要技术参数 Main Technical Parameters

型号规格 Model	容积 Volume (m³)	叶轮直径 Impeller Diameter (mm)	叶轮转速 Impeller Rotate Speed (r/min)	功率 Power (kW)	重量 Weight (t)
XBT-10	0.90	300	460	5.5	0.80
XBT-15	2.80	450	400	7.5	1.50
XBT-20	6.00	550	366	15	2.37
XBT-25	10.00	650	280	22	3.60
XBT-30	21.00	750	250	30	4.80

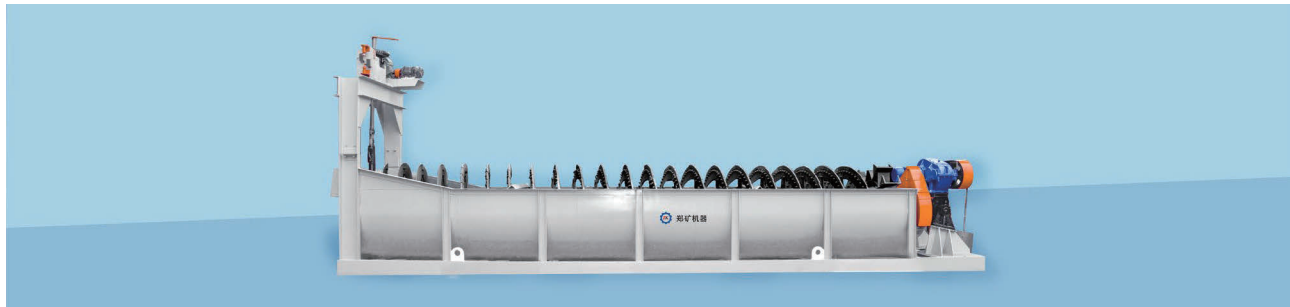
FG/FC 螺旋分级机

FG/FC Spiral Classifier



燃烧器

Burner



该系列分级机适用于矿石、非金属物料进行脱水、脱介、脱泥和干湿分级。
This product is used for dewater, desliming, wet and dry classification for mineral ore and non- metal material.

FG/FC 螺旋分级机主要技术参数 Main Technical Parameters

型号规格 Model	螺旋直径 Spiral Diameter (mm)	旋转速度 Spiral Speed (r/min)	产量 Capacity		配套电机功率 Motor Power		重量 Weight (t)
			返沙量 Circulating Load (t/24h)	流溢量 Oveflow Quantily (t/24h)	升 / 降 Lift / Lower (kW)	传动 Drive (kW)	
高堰式单螺旋分级机 High-Weir Single Spiral Classifier							
FG-5	Φ500	8.5-15.5	143-261	32		1.1	1.60
FG-7	Φ750	4.5-9.9	256-564	65		3	2.83
FG-10	Φ1000	3.5-7.6	473-1026	85		5.5	4.00
FG-12	Φ1200	5、6、7	1170-1600	155	2.2	5.5	8.54
FG-15	Φ1500	2.5、4、6	1140-2740	235	2.2	7.5	11.86
FG-20	Φ2000	3.6、5.5	3890-5940	400	3	11、15	20.45
FG-24	Φ2400	3.64	6800	580	3	5	25.65
FG-30	Φ3000	3.2	11650	893	4	22	40.90
高堰式双螺旋分级机 High-Weir Double Spiral Classifier							
2FG-12	Φ1200	5、6、7	2340-3200	310	2.2x2	5.5x2	15.84
2FG-15	Φ1500	2.5、4、6	2280-5480	470	2.2x2	7.5x2	21.11
2FG-20	Φ2000	3.6、5.45	7780-11880	800	3x2	22、30	36.341
2FG-24	Φ2400	3.67	13600	1160	3x2	30	53.491
2FG-30	Φ3000	3.2	23300	1785	4x2	40	73.03
沉没式单螺旋分级机 Sumbmerged Single Spiral Classifier							
FC-12	Φ1200	2.5、4、6	1170-1630	120	2.2	7.5	11.10
FC-15	Φ1500	2.5、4、6	1140-2740	185	2.2	7.5	15.32
FC-20	Φ2000	3.6、5.5	3890-5940	320	3	11、15	29.056
FC-24	Φ2400	3.64	6800	455	4	18.5	37.267
FC-30	Φ3000	3.2	11650	705	4	22	46.2
沉没式双螺旋分级机 Sumbmerged Double Spiral Classifier							
2FC-12	Φ1200	3.8、6	1770-2800	240	2.2x2	7.5x2	19.61
2FC-15	Φ1500	2.5、4、6	2280-5480	370	2.2x2	7.5x2	27.45
2FC-20	Φ2000	3.6、5.5	7780-11880	640	3.0x2	22、30	50.00
2FC-24	Φ2400	3.67	13700	910	3.0x2	30	53.491
2FC-24	Φ2400	3.67	13700	910	4.0x2	37	65.283
2FC-30	Φ3000	3.2	23300	1410	4.0x2	45	84.87



燃烧器主要技术参数 Main Technical Parameters

规格及型号 (长 x 宽 x 高) Model&SPEC (LxWxH) (mm)	煤气阀型号 Gas Valve	空气阀型号 Air Valve Type	煤气压力 Gas Pressure (Pa)	材质 Material	重量 Weight (t)	配套窑型 Kiln Type
3150x1450x600	DN300	DN400	1200-1600	1Cr18Ni9Ti	1.5	Φ1.9
3750x1450x600	DN300	DN500	1200-1600	1Cr18Ni9Ti	1.9	Φ2.2
4130x1520x640	DN400	DN600	1200-1600	1Cr18Ni9Ti	2.4	Φ2.5
4130x1520x640	DN400	DN600	1200-1600	1Cr18Ni9Ti	2.4	Φ2.8
4300x1800x800	DN400	DN700	1200-1600	1Cr18Ni9Ti	3.5	Φ3.0
4500x1980x820	DN400	DN700	1200-1600	1Cr18Ni9Ti	4.0	Φ3.2
4800x2078x968	DN500	DN800	1200-1600	1Cr18Ni9Ti	5.2	Φ3.5
4970x2240x1078	DN600	DN900	1200-1600	1Cr18Ni9Ti	6.7	Φ4.0



陶粒制粒及煅烧中试生产线 Pilot Plant For Granulation And Calcination

河南郑矿机器有限公司为了满足客户陶粒、陶粒砂、固废处置的研发工艺需求、降低研发成本、提高工业化生产成功率，根据各种原料的生产工艺试验条件，设计建造了陶粒、陶粒砂、固废煅烧中试生产线和陶粒、陶粒砂制粒平台，可进行各种建筑陶粒、轻骨料、陶粒砂、固废资源化处置的原料分析、配方设计、制样、煅烧、小试。

郑矿机器陶粒制粒及煅烧中试线包括原料破碎、粉磨、混料、制粒、烘干（或固化）、煅烧、冷却、包装、废气处置、粉尘处置等装置，所形成的整套中试线生产工艺流程与大型工业化生产线完全相同。具有工艺范围广、智能化程度高、环境污染少及能耗少等优点。

In order to meet the clients' requirement for technical research and development, reducing the R&D cost, and improving the success of industrial production for expended aggregate, ceramsite proppant, solid waste disposal, we, ZK Corp, had designed and built a pilot plant which including the grinding, granulating and clacining platform, which can do the raw materials analysis, formula designing, samples-making, calcination and pilot test for various building type expended aggregate, LECA, ceramsite proppant, and solid waste disposal etc.

This pilot plant includes raw materials crushing, grinding, mixing, granulating, drying (or solidifying), calcining, cooling, packaging, waste gas treatment, dust disposal, automation control, and waste gas on-line analysis etc, which forms a whole production process for Pilot test. The process of our pilot plant has the same process with the large-scale industrial production line. It has the advantages of wide application in different processes, high intelligence, less environmental pollution and less energy consumption etc.



煅烧中试平台 Rotary Kiln Calcination Pilot Platform



检测中心 Lab center



制粒中试平台 Granulation Pilot Platform



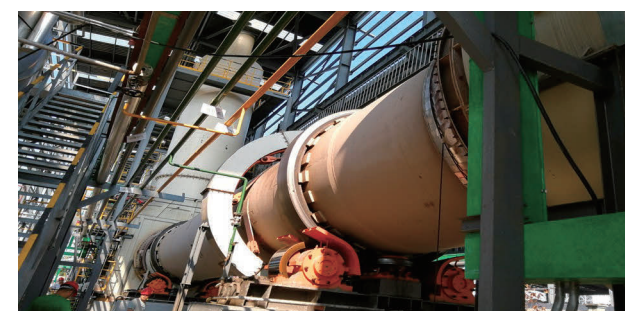
01- 重庆水务集团有限公司 (601158) 泽渝建材日产 500 方市政污泥陶粒项目
01-Chongqing Water Group Co., Ltd. (601158)
Zeyu Building Materials 500 m³/d Municipal Sludge Ceramsite Project



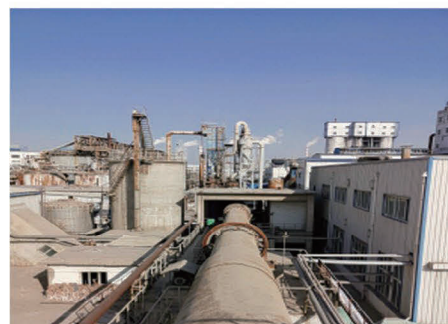
04- 凯赛 (乌苏) 生物材料有限公司 (SH688065) 化工废料资源化再生石灰项目
04-Cathay (Wusu) Biotech Co., Ltd. (SH688065)
Chemical Waste Recycling for Lime Production Project



02- 中滔环保集团有限公司 ((01363.HK) 广东清远年产 20 万 m³ 市政污泥陶粒项目
02-Zhongtao Environmental Group Ltd. (01363.HK)
Guangdong 200,000 m³/a Municipal Sludge Ceramsite



05- 中国船舶集团有限公司 (600150) 宜昌化工日处理 30 吨化工厂废液 PPE 合成项目
05-China State Shipbuilding Corporation Limited (600150)
Yichang Chemical 30 t/d Chemical Waste Liquid Treatment & PPE Synthesis Project



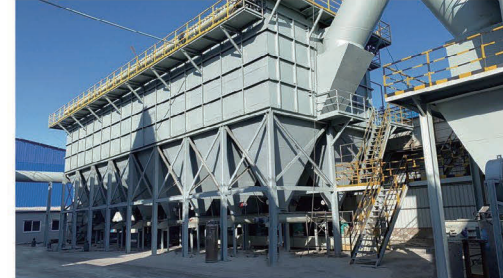
03- 大唐国际发电有限公司 (601991) 内蒙古托克发电粉煤灰再生资源项目
03-Datang International Power Generation Co., Ltd. (601991)
Inner Mongolia Fly Ash Recycling Project



06- 河南明泰科技发展有限公司 (601677) 6 万吨铝灰资源化处置项目
06-Henan Mingtai Technology Development Co., Ltd. (601677) 60,000 t/a
Aluminum Dross Recycling Project



01- 焦作万方铝业股份有限公司 (000612) 1 万吨铝灰资源化处置项目
01-Jiaozuo Wanfang Aluminum Co., Ltd. (000612)
10,000 t/a Aluminum Dross Recycling Project



04- 包头钢铁集团有限责任公司 (600010) 包钢环保科技日处理 300 吨钢厂烟道灰氧化锌项目
04-Baotou Iron & Steel Group Co., Ltd. (600010)
Baogang 300 t/d Steel Plant Flue Dust Zinc Oxide Recovery Project



02- 中国船舶集团有限公司 (600150) 山西兴县日处理 100 吨固体废物项目
02-China State Shipbuilding Corporation Limited (600150)
Shanxi 100 t/d Solid Waste Treatment Project



05- 中信元钧环保 (江苏) 有限责任公司年产 60 万方市政污泥陶粒项目
05-Citic Yuanjun Environmental (Jiangsu) Co., Ltd.
600,000 m³/a Municipal Sludge Ceramsite Project



03- 山西太钢不锈钢股份有限公司 (000825) 太原钢城化工日处理 200 吨酸洗污泥项目
03-Shanxi Taigang Stainless Steel Co., Ltd.(000825)
Taiyuan 200 t/d Pickling Sludge Treatment Project



06- 开封市新科锌业有限公司日处理 500 吨钢厂烟道灰资源化利用生产次氧化锌项目
06-Kaifeng Xinke Zinc Industry Co., Ltd. 500 t/d Steel Plant Flue Dust Zinc Oxide Project



01- 淮南新东辰控股集团有限公司年产 2×20 万方煤矸石陶粒项目
01-Huainan New Dongchen Holding Group Co., Ltd.
2×200,000 m³/a Coal Gangue Ceramsite Project



04- 伊朗 FESICO 年产 6000 吨金属镁项目
04-Iran FESICO 6,000 t/a Magnesium Ingot Project



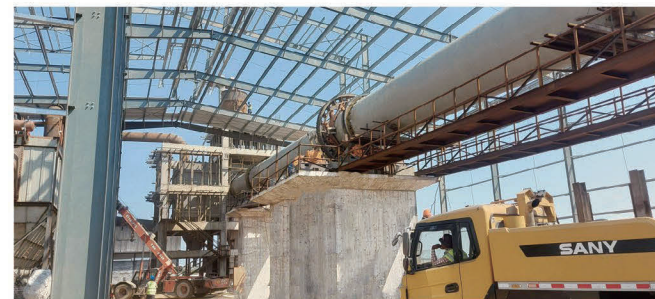
02- 内蒙古运昇镁业科技有限公司年产 15 万吨高岭土项目
02-Inner Mongolia Yunsheng Magnesium Technology Co., Ltd.
150,000 t/a Kaolin Project



05- 土耳其 ESAN 年产 1.5 万吨金属镁项目
05-Turkey ESAN15,000 t/a Magnesium Ingot Project



03- 伊朗日产 200 吨石灰生产线项目
03- Iran200 t/a Quicklime Project



06- 坦桑尼亚 300TPD 轻烧菱镁矿项目
06-Tanzania 300t/d Light-Burned Magnesite Project

工程案例

Project Reference



合作客户

Customers in Cooperation



江苏睿新世越环保新材料科技有限公司年产 60 万方市政污泥陶粒项目
Jiangsu Ruixin Shiyue Environmental New Materials Co., Ltd. 600,000 m³/a Municipal Sludge Ceramsite Project



江西泰品新能源有限责任公司年产 6000 吨碳酸锂项目
Jiangxi Taipin New Energy Co., Ltd. 6,000 t/a Lithium Carbonate Project

