专业的选矿
EPC
工程总包服务商

烟台金鹏矿业机械有限公司
YANTAI JINPENG MINING MACHINERY CO., LTD

# 选矿设备应用手册

Mineral Processing Equipment Application Manual


**烟台金鹏矿业机械有限公司**
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JINPENG

# 金鹏矿机

专业的选矿EPC工程总包服务商

选矿实验研究 | 矿山设计 | 设备制造 | 安装调试 | 人员培训

Professional EPC contractor of Minineral Processing Plant

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JINPENG金鹏矿机 选矿设备应用技术手册 MINERAL PROCESSING TECHNICAL MANUAL OF EQUIPMENT APPLICATION

选矿试验研究
BENEFICIATION TEST &RESEARCH

矿山设计
MINE DESIGN

设备制造
EQUIPMENT MANUFACTURING

安装调试
INSTALLATION & COMMISSIONING

人员培训
PERSONNEL TRAINING

# ABOUT US
# 关于我们

烟台金鹏矿业机械有限公司坐落于烟台开发区金鹏工业园内，占地面积25万平米，规划建筑面积15万平米，是国家高新技术企业，国家级专精特新重点“小巨人”企业。公司现有职工1000余名，其中工程技术人员300余名。

Yantai JINPENG Mining Machinery CO.,LTD, located in Jinpeng industrial park in Yantai Development Zone, with a floor space of 250,000m² and planned building area of 150,000 m², is a national high-tech enterprise and a state-level SRDI Key "little giant" enterprise. Now it has more than 1000 staff, including more than 300 engineering and technical personnel.

**2000+**

**在全球已建造完成2000多个工程项目**
It has finished constructing more than 2000 engineering projects around the world

**1000+**

**1000多名员工，25万+平方米现代化智能产业园**
Over 1000 employees, 250,000+m² modern intelligent industrial park.

**80+**

**业务足迹遍及世界五大洲八十多个国家和地区**
The business spans across more than eighty countries and regions across five continents.

集团下设选冶研究院、冶金矿山设计院、机械设备加工厂、自动化研究院和安装调试公司。凭借着雄厚的技术力量和先进的加工设备，金鹏可为各类规模的金矿、银矿、铜矿、铅锌矿、铁矿、锰矿、铬矿、萤石矿、锂矿、石墨矿、硅砂矿、钾钠长石矿等矿山提供选矿试验研究、矿山设计、设备制造、安装调试、人员培训等EPC总包服务。中国黄金集团、山东黄金集团、紫金矿业、招金集团、恒邦股份等大型上市公司，均是金鹏矿机的合作伙伴。公司在立足中国的同时，积极致力于国际业务的开拓，EPC工程已遍布世界八十多个国家和地区，为中国和世界矿业经济发展做出了积极贡献。

Jinpeng Group founded several subsidiaries, including Beneficiation-metallurgy Research Institute, Metallurgical Mine Design Institute, Machinery and Equipment Manufacturing Plant, Automation Research Institute, Installation and Commissioning Company. Depending on the advanced processing equipment and profound technical capacity, the group can provide mines with various scales in gold, silver, copper, lead-zinc, iron, Manganese, chromium, fluorite, lithium, graphite, silica placer, potassium albite and so on with EPC service of mineral processing experiments, engineering design, equipment manufacturing, installation and commissioning, personnel training, etc. A number of large listed companies, such as China National Gold Group, Shandong Gold Group, Zijin Mining, Zhaojin Group and Humon Smelting are all cooperative partners of Jinpeng Mining Machinery CO.,LTD. While based in China, the company is actively committed to the development of international business. Its EPC projects have spread over more than 80 countries and regions in the world, and it have made positive contributions to the development of China and the world mining economy.

# JINPENG MINING MACHINERY - PROFESSIONAL EPC CONTRACTOR OF MININERAL PROCESSING PLANT

## 金鹏矿机-专业的选矿EPC总包服务商

**E** 选矿试验研究
工程咨询
矿山设计

BENEFICIATION EXPERIMENTAL RESEARCH
ENGINEERING CONSULTATION
ENGINEERING DESIGN

金鹏可为您提供前期咨询与可行性研究服务，其中包括矿物元素分析、矿山价值评估、工艺流程建议、投资估算及经济效益分析等，帮助客户明确选厂规模及建设方向。

金鹏选矿研究院通过实验室试验确定矿石的最佳工艺流程及参数，涉及原矿性质测定、工艺条件探索、精尾矿分析等步骤，最终形成选矿试验报告作为设计依据。

Jinpeng can provide preliminary consulting and feasibility study services, including mineral elemental analysis, mine valuation assessment, process flow recommendations, capital expenditure estimation, and economic benefit analysis, etc., helping clients define optimal plant scale and construction direction.

Jinpeng Mineral Processing Research Institute determines the optimal process flows and parameters for ores through laboratory tests, involving raw ore property determination, process condition scoping, concentrate and tailings analysis, etc., ultimately forming mineral processing test reports as the design basis.

**P** 成套设备
制造及供应

MANUFACTURING AND SUPPLY
OF COMPLETE SETS OF EQUIPMENT

金鹏矿机拥有五大制造厂区，装备有机器人焊接工作站、7×20米数控龙门镗铣床、10米双臂立车、8米滚齿机、80mm液压卷板机等先进的加工设备，可为各类规模的选厂提供成套装备。同时，公司具有健全严格的质量管理体系，从原材料采购、到生产加工至成品检验，每一个环节都进行严格控制，确保产品质量的一致性和稳定性。凭借着过硬的产品质量，公司在同行业内率先通过了ISO9001:2015质量管理体系认证和CE认证。

Jinpeng Mining Machinery has 5 major manufacturing plants, equipped with advanced processing equipment such as robot welding workstations, 7*20-meter CNC gantry type milling and boring machines, 10-meter double-arms vertical lathes, 8-meter gear hobbing machines, 80mm hydraulic plate bending machines, etc, which can provide complete sets of equipment for mineral processing plants of various scales. Meanwhile, the company has a comprehensive and strict quality management system, with strict control at every stage from raw material procurement, production processing to finished product inspection, ensuring the consistency and stability of product quality. With excellent product quality, the company has been the first in the industry to pass the ISO9001:2015 quality management system certification and CE certification .





**C** 选矿厂基建
设备安装
工艺调试

CIVIL WORK
EQUIPMENT INSTALLATION
PROCESS COMMISSIONING

金鹏下设工程管理部、售后服务部，针对具体工程，组建安装项目部，负责组织实施选矿厂建设施工，业务骨干均为从事过选厂建设管理十年以上的经验丰富的土建工程师、机械工程师、选矿工程师、电气工程师、自动化工程师等，专业涵盖选矿厂建设安装、生产调试的所有门类。

截至目前，金鹏安装团队已在世界八十多个国家，完成数百座矿山选厂建设，年建设项目达数十座。

Jinpeng has established Engineering Management Department and After-sale Service Department. As for specific projects, it forms an installation project department responsible for organizing and implementing the construction of mineral processing plants. The backbone of the team consists of civil engineers, mechanical engineers, mineral processing engineers, electrical engineers and automation engineers with more than ten years of experience in construction management of mineral processing plants, covering all categories of construction and installation, manufacturing and commissioning of mineral processing plants.

So far, the Jinpeng installation team has completed the construction for hundreds of mineral processing plants in more than eighty countries around the world, with dozens of construction projects per year.

**M** 生产管理
MANAGEMENT

矿山生产管理服务是根据客户需求为客户提供选厂承包运营服务，通过派出管理团队，与业主招聘的员工一起负责选矿厂的承包运营工作，达到降本增效的目的，切实提高企业的经济效益和社会效益。

Mine Production Management Service provides contracted operation service for mineral processing plants tailored to client needs. We deploy a professional management team to work alongside staff recruited by the client, jointly responsible for the operation of the beneficiation plant. This model aims to reduce costs and improve efficiency, effectively enhancing both the economic and social benefits of the enterprise.

# TEAM BUILDING
# 团队建设

**金鹏矿机构建了专业化、国际化的技术团队。团队拥有1000余名员工，其中工程技术人员300余人，涵盖选矿试验、矿山设计、设备制造、自动化控制、安装调试等专业领域。公司建立了选冶研究院、冶金矿山设计院、机械设计院、自动化研究所和安装公司五大技术团队，配备大型精密加工设备。**

**Jinpeng Mining Machinery has established a specialized and international technical team. The team comprises over 1000 employees, including more than 300 engineering and technical staff specializing in mineral processing test, mine design, equipment manufacturing, automation control, installation and commissioning, and other related fields. The company has formed five major technical divisions: the Beneficiation & Metallurgical Research Institute, the Metallurgical Mining Design Institute, the Machinery Design Institute, the Automation Research Institute, and the Installation Company which are equipped with large-scale and precision processing equipment.**



## 冶金矿山设计院
## Metallurgical Mining Design Institute

FEASIBILITY STUDY 可行性研究
BASIC DESIGN 基础设计
DETAILED DESIGN 详细设计
FEED FEED
3D DESIGN 3D 设计
HAZOP RESEARCH Hazop研究

金鹏设计院持有甲级咨询及国家级冶金矿山设计资质，汇聚20个专业的近百位设计人才，可开展常规、三维、模块化及组合式钢结构选矿厂设计，并兼容中国与JORC、NI43-101等国际标准。

Jinpeng Design Institute, with Class-A consulting and national metallurgical mining design certifications, brings together nearly 100 experts across 20 disciplines. We deliver a full range of mineral processing plant designs—from conventional and 3D to modular and prefabricated steel structures—while adhering to both Chinese and international standards such as JORC and NI 43-101.





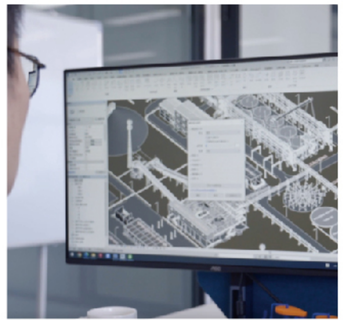




## 选冶研究院
## Beneficiation & Metallurgical Research Institute

选冶研究院下设三大科室，并拥有十八大专业功能间，且已通过CNAS国际认证。依托这些硬件与资质，研究院可为60余种矿物提供精准的试验服务。

The Mineral Processing Research Institute comprises three major divisions and eighteen specialized laboratories, all accredited under the CNAS international certification system. Leveraging these advanced facilities and credentials, the institute delivers precise and reliable testing services for over 60 types of minerals.



## 机械设计院
## Machinery Design Institute

金鹏机械设计院以设备研发、设计与改进为核心，通过精准响应选矿与设计环节的需求，为客户实现从试验研究到设备交付的全流程无缝对接，提供一体化解决方案。

Jinpeng Mechanical Design Institute specializes in equipment R&D, design, and optimization. By precisely addressing the requirements of mineral processing and engineering phases, we ensure seamless integration from test work to equipment delivery, providing clients with holistic, end-to-end solutions.



## 自动化研究所
## Automation Research Institute

金鹏自动化研究以智能制造和人工智能作为技术创新导向，围绕在线检测，自动控制，应用软件，通信视频，智能矿山，智能工厂等领域的核心技术，自主开发了一系列具有世界先进水平的智能测控产品和系统。

Jinpeng Automation Research focuses on smart manufacturing and artificial intelligence as its core technological directions. We have independently developed a range of world-class intelligent measurement and control products and systems, leveraging key technologies across online detection, automatic control, application software, communication video, smart mining, and intelligent factories.



## 安装公司
## Installation Company

金鹏下设工程管理部、售后服务部，针对具体工程，组建安装项目部，负责组织实施选矿厂建设施工，专业涵盖选矿厂建设安装、生产调试的所有门类。

Jinpeng has established Engineering Management Department and After-sale Service Department. As for specific projects, it forms an installation project department responsible for organizing and implementing the construction of mineral processing plants. Manufacturing and commissioning of mineral processing plants.



# HONORS & CERTIFICATIONS
# 荣誉资质

金鹏始终把创新作为企业发展的动力，二十余年来取得了卓越的成绩。目前，金鹏已通过ISO9001:2015国际质量管理体系认证、环境管理体系认证、职业健康安全管理体系认证、ZMCC国际标准体系认证、欧盟CE认证、能源管理体系、国家级矿山工程施工总承包资质，拥有中国合格评定国家认可委员会实验室认可证书(CNAS)、甲级咨询资质、国家级冶金矿山设计资质等相关技术资质和证书。

Jinpeng has always regarded innovation as the driving force for its development, achieving remarkable success over the past two decades. To date, Jinpeng has been certified to ISO 9001:2015 International Quality Management System Certification, Environmental Management System Certification, Occupational Health and Safety Management System Certification, ZMCC International Standard System Certification, EU CE Certification, Energy Management System Certification, and National-Level Mining Engineering General Contracting Qualification. Additionally, it holds the China National Accreditation Service for Conformity Assessment (CNAS) Laboratory Accreditation Certificate, Class A Consulting Qualification, National Metallurgical Mining Design Qualification, and other relevant technical credentials and certifications.

JINPENG金鹏矿机 选矿设备应用技术手册 MINERAL PROCESSING TECHNICAL MANUAL OF EQUIPMENT APPLICATION




**20+** 国家及省部级荣誉

**100+** 专利

**30+** 发明专利

**30+** 体系认证



# 机械设备加工厂

# MACHINERY AND EQUIPMENT MANUFACTURING PLANT

金鹏矿机拥有五大生产区，目前配备有10M数控双柱立车、8米滚齿机、TK6920数控落地铣镗床、7*20米数控桥式龙门铣镗床等200余台大型加工车床，可生产选厂所需的600余种选冶设备。金鹏集团机械加工厂对所生产的每台设备均实行严格的全过程质量管控，在同行业内率先通过了ISO9001：2015质量管理体系认证和CE认证。

Jinpeng Mining Machinery has five major manufacturing plants, equipped with over 200 sets of large-scale processing lathes, including 10-meter CNC double-column vertical lathes, 8-meter gear hobbing machine, TK6920JC CNC floor-type milling and boring machine, 6*20 meter CNC gantry type milling and boring machine, which can provide more than 600 kinds of beneficiation and metallurgical equipment required for mineral processing plants of various scales. Every machine produced in our mechanical plant is subjected to rigorous and full-process quality control. And the company has been the first in the industry to pass the ISO9001:2015 quality management system certification and CE certification .





金鹏矿机始终坚持

**“安全第一，质量至上”**

生产方针





# 强大的设备制造能力
# STRONG EQUIPMENT MANUFACTURING CAPABILITY

JINPENG金鹏矿机 选矿设备应用技术手册 MINERAL PROCESSING TECHNICAL MANUAL OF EQUIPMENT APPLICATION







金鹏矿机致力于为不同规模的选矿厂提供全方位、定制化的成套装备解决方案。公司产品线覆盖破碎、磨矿、分级、浮选、脱水等关键环节，确保整套流程高效稳定运行，助力客户实现资源效益最大化。

Jinpeng Mining Machinery is dedicated to providing all-round and customized complete sets of equipment solutions for mineral processing plants of various scales. Our product range covers key processes such as crushing, grinding, classification, flotation, and dewatering, which ensures the efficient and stable operation of the entire production line and helps customers maximize resource efficiency.

在质量管理方面，金鹏矿机构建了健全且严格的质量控制体系。我们执行严格的入场检验标准。生产过程中采用先进的加工设备和制造工艺，每道工序均设有质量检测点，实现全流程精细化管控。成品出厂前还需经过多项性能测试与可靠性验证，确保每一台设备都符合设计要求与企业标准。

In terms of quality management, Jinpeng Mining Machinery has established a sound and rigorous quality control system. We implement strict incoming inspection standards. During the production process, advanced processing equipment and manufacturing technologies are adopted, with quality inspection points set up at every work procedure to achieve refined control throughout the entire process. Before leaving the factory, finished products also undergo multiple performance tests and reliability verification to ensure that each piece of equipment meets the design requirements and corporate standards.



## “5”大生产厂区

ISO9001：2015质量管理体系认证

CE认证



凭借持续的技术创新和过硬的产品质量，金鹏矿机赢得了市场的广泛认可。公司始终以高品质产品和完善的服务体系为核心竞争力，致力于为全球矿业客户提供更可靠、更可持续的选矿装备解决方案。

With its continuous technological innovation and excellent product quality, Jinpeng Mining Machinery has gained wide recognition in the market. The company has always taken high-quality products and a comprehensive service system as its core competitiveness, and is committed to providing more reliable and sustainable mineral processing equipment solutions for global mining customers.



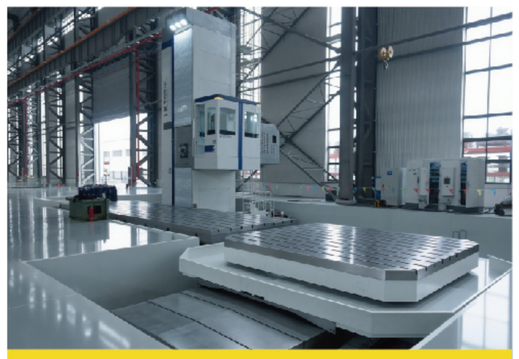
7-20米数控桥式龙门铣镗
7-20 CNC Gantry Type Boringand Milling Machine



10米数控双柱立式铣车床
10-Meter CNC Double-Columns Vertical Milling Machine



HDRWS机器人焊接工作站
HDRWS Robot Welding Workstation



TK6920JC数控落地铣镗床
TK6920JC CNC Floor-Type Milling and Boring Machine



8米数控滚齿机
8-Meter CNC Gear Hobbing Machine







D-Soar 30000W 高功率光纤激光切割机 D-Soar 30000W Fiber Laser Cutting Machine



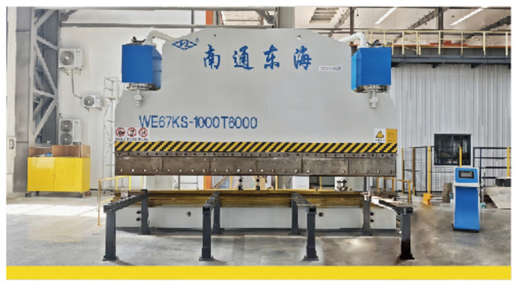
CX6060-10米卧车
Horizontal Lathe



智能激光切割机
Intelligent laser cutting machine



球磨机大型自动焊接装备
Welding Machine




数控折弯机
CNC Bending Machine



数控激光切管机
CNC Laser Pipe Cutting Machine




上辊万能卷板机
Upper-roll Universal Plate Bending Machine

# 给矿设备
# FEEDING EQUIPMENT



金鹏的给矿设备产品线丰富，其产品涵盖振动给矿机、槽式给矿机、摆式给矿机、圆盘给料机、皮带给矿机和板式给料机等设备，设备均广泛应用于冶金、选矿、建材等行业的给料环节。

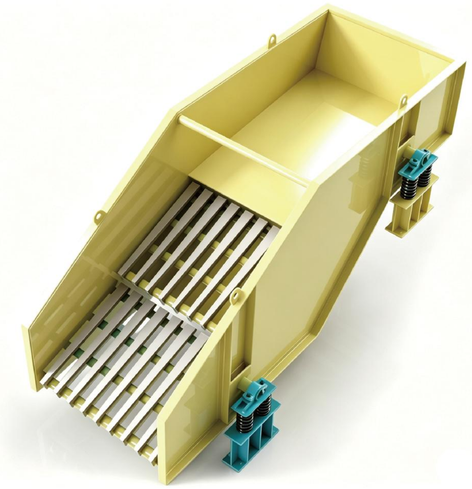
Jinpeng offers a comprehensive range of ore feeding equipment, including vibrating feeders, trough feeders, pendulum feeders, disc feeders, belt feeders, and apron feeders. These robust solutions are widely utilized in feeding applications across the metallurgical, mineral processing, and building materials industries.





# 01

## 振动给矿机
Vibrating Feeder



### ZG型电机振动给料机
ZG Type Motor Vibrating Feeder

#### 应用范围
APPLICATIONS

该产品适用于选矿厂、冶炼厂、水泥厂、砂矿、机械化铸造车间等部门,悬吊在钢结构件上，安装于料斗下方进行连续给料之用。块状、颗粒状或粉状物料的均匀、定量、连续供给。

Application Range: This feeder is suitable for use in mineral processing plants, smelters, cement plants, sand mines, and mechanized foundries. It can be suspended from steel structures or installed below hoppers for continuous feeding. It ensures uniform, quantitative, and continuous supply of bulk, granular, or powdered materials.

#### 优势特点
ADVANTAGES & FEATURES

·体积小、重量轻、结构简单紧凑;
·安装、维修方便，运行费用低;
·效率高，给料能力大;
·噪音低，有利于改善工作环境;
·耗电小，功率因数高;
·本设备在远超共振状态下工作，因而振幅稳定，运行可靠，对各种物料适应性较强;
·加配电机调速器后不需调整偏心块即可方便地无级调节给料量。

·Compact, lightweight, simple, and robust structure.
·Easy installation and maintenance with low operating costs.
·High efficiency and large feeding capacity.
·Low noise emission, contributing to an improved working environment.
·Low power consumption and high power factor.
·Operates in a super-resonant state, ensuring stable amplitude and reliable performance with strong adaptability to various materials.
·Equipped with a variable frequency drive, it allows for stepless feed rate control without adjusting eccentric blocks.

#### 工作原理
WORKING PRINCIPLE

ZG系列振动给料机是一种新型、节能通用给料设备。ZG系列振动给料机采用新型振动电机做激振源，具有结构简单、紧凑，使用及维修方便，给料连续均匀，料槽磨损小，使用寿命长等优点，常与振动输送机、振动筛、斗式提升机、破碎机等配套使用，用于自动配称、定量包装、自动控制的工艺流程中。

The ZG Series Vibrating Feeder is a new, energy-efficient, and versatile feeding equipment. Utilizing a modern vibration motor as the excitation source, it boasts a simple, compact design, ease of use and maintenance, consistent and even feeding, minimal wear on the trough, and a long service life. It is commonly paired with vibrating conveyors, screens, bucket elevators, and crushers in processes involving automatic batching, quantitative packaging, and automated control.

## 技术参数
TECHNICAL PARAMETERS

**ZG型电机振动给料机 | ZG Type Motor Vibrating Feeder**

| 型号 Model | 最大给料粒度 (mm) Max.Particle Size | 给料能力 (t/h) Feed Capacity | 电动机 Motor | | 振次 (r/min) Shake Frequency | 重量 (kg) Weight |
|---|---|---|---|---|---|---|
| | | | 型号 Model | 功率（kw）Power | | |
| ZG-25 | 60 | 25 | YZU-2.5-4 | 0.1×2 | 1450 | 106 |
| ZG-30 | 60 | 30 | YZU-2.5-4 | 0.1×2 | 1450 | 118 |
| ZG-60 | 90 | 60 | YZU-5-4 | 0.2×2 | 1450 | 215 |
| ZG-80 | 160 | 80 | YZU-5-4 | 0.2×2 | 1450 | 238 |
| ZG-100 | 210 | 100 | YZU-8-4 | 0.4×2 | 1450 | 271 |
| ZG-200 | 270 | 200 | YZU-17-4 | 0.4×2 | 1450 | 372 |
| ZG-300 | 300 | 300 | YZU-17-4 | 0.75×2 | 1450 | 556 |
| ZG-400 | 300 | 400 | YZU-20-4 | 0.75×2 | 1450 | 606 |
| ZG-500 | 300 | 500 | YZU-20-4 | 0.75×2 | 1450 | 886 |
| ZG-750 | 400 | 750 | YZU-30-6 | 2.2×2 | 950 | 1035 |
| ZG-1200 | 400 | 1200 | YZU-30-6 | 2.2×2 | 950 | 1600 |
| ZG-1800 | 420 | 1800 | YZU-75-6 | 5.5×2 | 950 | 1900 |
| ZG-2000 | 420 | 2000 | YZU-75-6 | 5.5×2 | 950 | 2120 |

## GZ型电磁振动给料机
GZ Type Electromagnetic Vibrating Feeder

### 应用范围
APPLICATIONS

该给矿机是一款结构简单、适用于非黏结性物料的给矿机。
This feeder is designed with a simple structure, making it ideal for handling non-cohesive materials.

### 优势特点
ADVANTAGES & FEATURES

·体积小，重量轻，结构简单，安装方便，无转动、滑动零部件，不需进行润滑；
·采用机械振动学的共振原理，使其工作在低临界近共振状态，能耗小；
·工作时物料按抛物线轨迹连续跳跃向前运动，料槽磨损较小。

·Small volume, light weight, and simple structure enable easy installation.
·No rotating or sliding parts, eliminating the need for lubrication.
·Operates in a low-critical, near-resonance state based on mechanical vibration principles, resulting in minimal power consumption.
·Material travels forward in a continuous parabolic hopping motion, significantly reducing wear on the feed trough.

### 工作原理
WORKING PRINCIPLE

电磁振动给料机是一个较为完整的双质点定向强迫振动的弹性系统，整个系统在低临界共振状态下工作，给料槽中的物料在给料过程中连续地被抛起，并按抛物线的轨迹向前进行跳跃运动，达到连续、均匀、定量给料的目的。本系列电磁振动给料机采用可控硅半波整流控制方式，流量调节方便，可实现集中控制和自动控制。

The electromagnetic vibrating feeder constitutes a relatively complete elastic system of dual-mass, directed, forced vibration. The entire system operates in a low-critical resonance state. During operation, material in the trough is continuously and moves forward in a parabolic, hopping trajectory, achieving continuous, uniform, and quantitative feeding. This series employs a silicon-controlled half-wave rectification control method, allowing for easy flow adjustment and seamless integration into centralized and automated control processes.





## 技术参数
TECHNICAL PARAMETERS

**GZ型电磁振动给料机 | GZ Type Electromagnetic Vibrating Feeder**

| 型号 Model | 槽型尺寸 (宽×长×高) Chute Dimension (L×W×H) | 给料能力 (t/h) Feed Capacity | | 给料粒度 (mm) Max.Particle Size | 振次 (r/min) Shake Frequency | 振幅 (mm) Amplitude | 有效功率 (kw) Effective Power | 控制箱型号 Control Box Model | 外形尺寸 (mm) Dimension (L×W×H) | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 水平 Leve | -10% | | | | | | | |
| GZ1 | 200×600×100 | 5 | 7 | 50 | 3000 (r/min) | 1.75 | 0.06 | XKZ-5G2 | 376×910×360 | 73 |
| GZ2 | 300×800×120 | 10 | 14 | 50 | | | 0.15 | | 506×1175×450 | 146 |
| GZ3 | 400×900×150 | 25 | 35 | 70 | | | 0.2 | | 574×1325×520 | 217 |
| GZ4 | 500×1100×200 | 50 | 70 | 100 | | | 0.45 | XKZ-20G2 | 762×1615×645 | 412 |
| GZ5 | 700×1200×250 | 100 | 140 | 150 | | | 0.65 | | 840×1815×765 | 656 |
| GZ6 | 900×1800×250 | 150 | 210 | 200 | | 1.5 | 1.5 | XKZ-20G3 | 1092×2410×1030 | 1252 |
| GZ7 | 1100×1800×250 | 250 | 350 | 250 | | | 3 | XKZ-100G3 | 1332×2800×1130 | 1920 |
| GZ8 | 1300×2200×300 | 400 | 560 | 300 | | | 4 | | 1556×3302×1343 | 3040 |
| GZ9 | 1500×2400×300 | 600 | 840 | 350 | | | 5.5 | XKZ-200G3 | 1776×3515×1440 | 3750 |
| GZ10 | 1800×2500×375 | 750 | 1050 | 500 | | | 4×2 | XKZ-200G3 | 2550×3630×1500 | 6491 |
| GZ11 | 2000×2800×375 | 1000 | 1400 | 500 | | | 5.5×2 | | 2640×4060×1580 | 7680 |

注：给料量按基准物料 (P=1.6,含水4-6%)给出，输送别种物料由于速度系数不同，给料量有差异。

Note: The feeding rate is given based on standard materials (P=1.6 and 4-6% of water content), so the rate may be different for feeding other materials because of different speed parameters.

## ZSW型振动给料机
ZSW Type Vibrating Feeder

### 应用范围
APPLICATIONS

用于输送黑色或有色金属矿石，建筑材料；不适宜用于输送粘湿物料。
Designed for conveying ferrous and non-ferrous metal ores and construction materials. Not suitable for handling wet, sticky materials.

### 优势特点
ADVANTAGES & FEATURES

·结构简单、安装方便、振动平稳、工作可靠、寿命长、便于维护和检修，易于实现自动控制等优点；
·采用了双轴振动器，直线振动，给料的同时完成筛分工艺，提高了设备的利用率，降低了成本；
·可为粗碎破碎机连续、均匀地喂料，并同时对物料进行粗筛分；
·可选装变频调速电机，调节频率，从而改变产量，便于控制给料量，无需频繁启动电机。

·Simple structure, easy installation, stable vibration, and straightforward maintenance & inspection. Easily integrated into automated control systems.
·Utilizes a dual-shaft vibrator to generate linear vibration, combining feeding and screening in a single process. This enhances equipment utilization and reduces overall costs.
·Effectively provides continuous, uniform feed to primary crushers while simultaneously performing coarse screening of the material.
·Optional variable frequency drive allows for easy adjustment of output and feed rate by modifying frequency, eliminating the need for frequent motor starts and stops.

## 工作原理
WORKING PRINCIPLE

激振器是由两个呈特定位置的偏心轴以齿轮相啮合组成，装配时必须使两齿轮按标记相啮合，通过电机驱动，使两偏心轴旋转，从而产生巨大合成的直线激振力，使机体在支承弹簧上作强制振动，物料则以此振动为动力，在料槽上作滑动及抛掷运动，从而使物料前移而达到给料目的。当物料通过槽体上的筛条时，较小的料可通过筛条间隙而落下，可不经过下道的破碎工序，起了筛分的效果。

The vibrator consists of two eccentric shafts positioned in a specific orientation and meshed together via gears. Assembly requires precise alignment of the gear timing marks. When driven by the motor, the counter-rotating eccentric shafts generate a powerful linear excitation force. This force causes the entire body to vibrate on support springs. The material on the trough is propelled forward through a combination of sliding and throwing motions, achieving the feeding purpose. As material passes over the grizzly bars (screen decks) on the trough, smaller-sized fractions fall through the gaps. This bypasses the subsequent crushing stage, effectively achieving a screening function.

## 技术参数
TECHNICAL PARAMETERS

**ZSW型振动给料机 | ZSW Type Vibrating Feeder**

| 型号 Model | 槽型尺寸 (W×H) Chute Dimension | 最大给料粒度 (mm) Max.Particle Size | 给料能力 (t/h) Capacity Feed | 偏心轴转速 (r/min) Eccentric Shaft Speed | 有效功率 (kw) Effective Power | 重量 (kg) Weight |
|---|---|---|---|---|---|---|
| ZSW-380×95 | 3800×960 | 500 | 96-160 | 500-714 | 11 | 4082 |
| ZSW-420×110 | 4200×1100 | 580 | 120-240 | 500-800 | 15 | 4740 |
| ZSW-490×96 | 4900×960 | 500 | | | | 5351 |
| ZSW-490×110 | 4900×1100 | 630 | 120-280 | | | 5352 |
| ZSW-590×110 | 5900×1100 | | 350 | 750 | 22 | 6130 |
| ZSW-600×130 | 6000×1300 | 750 | 400-560 | 500-800 | | 7800 |

# 02
# 槽式给矿机
Trough Feeder



## 应用范围
APPLICATIONS

适用于输送350mm以下块状物料，广泛用于矿山、选厂、化工、水泥等部门，实现从储料仓向破碎、运输设备均匀连续给料。

Suitable for conveying bulk materials with a size below 160mm. Widely used in mines, concentrators, chemical, and cement plants for uniform and continuous feeding from storage bins to crushing or conveying equipment.

## 优势特点
ADVANTAGES & FEATURES

·可地面安装或仓下吊装，便于布置；
·给料量可灵活调节，操作简便；
·槽体往复运动，冲程通过偏心轮调节，一般偏心距不小于30mm（粘性物料）；
·槽宽约为给料最大粒度的2-2.5倍。根据用户的要求，可将电机改成调速型，以便调整给矿能力。

·can be floor-mounted or suspended under silos.
·Feed rate is easily and flexibly adjustable with simple operation.
·Reciprocating tray motion; stroke adjustable via eccentric wheel, typically with an eccentricity not less than 30mm (for sticky materials).
·Tray width is approximately 2–2.5 times the maximum feed size. According to customer,s need the motor can be changed into adjustable-speed type in order to adjust the feeding capscity





## 工作原理
WORKING PRINCIPLE

槽式给矿机设备一般安装在料仓出料口下部，矿石落入槽体底部的漏板上，底部漏板设置在滚轮上，并通过偏心机构使漏板与双出轴的减速机相连，然后通过联轴器与电动机相接。工作时，由电动机通过联轴器带动减速机，并通过偏心盘与设备在槽架底部和滚轮之间的漏盘一起往复直线运动，从而完成均匀给料。

The Plate Feeder is typically installed below the discharge outlet of a storage bin. Material falls onto the reciprocating plate/ tray mounted on rollers. An eccentric mechanism connects the plate to a double-output shaft reducer, which is coupled to the motor. During operation, the motor drives the reducer via the coupling, and the eccentric disk drives the plate in a reciprocating linear motion, thereby achieving uniform material discharge.

## 技术参数
TECHNICAL PARAMETERS

**槽式给矿机 | Trough Feeder**

| 型号 Model | 槽型尺寸(W×L×H) (mm) Chute Dimension | 最大给料粒度 (mm) Max.Particle Size | 给料能力 (t/h) Feed Capacity | 电动机 Motor | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|
| | | | | 型号Model | 功率Power (kw) | |
| 300×300 | 300×1000×300 | 50 | 10-20 | Y90L-4 | 1.5 | 265 |
| 400×400 | 400×1280×400 | 100 | 10-30 | Y112M-6 | 2.2 | 535 |
| 600×500 | 600×1500×500 | 200 | 10-50 | Y112M-4 | 4 | 1045 |
| 700×500 | 700×1500×500 | 250 | 10-60 | Y112M-4 | 4 | 1100 |
| 980×1240 | 900×1240×800 | 350 | 36-90 | Y160M-6 | 7.5 | 1710 |
| 1100×1240 | 1000×1240×800 | 350 | 50-110 | Y160L-6 | 11 | 1780 |
| 1200×1400 | 1100×1400×800 | 350 | 60-130 | Y160L-6 | 11 | 1930 |

# 03
# 摆式给矿机
Swaying Feeder



## 应用范围
APPLICATIONS

本摆式给料机为输送系统附属设备，广泛用于选矿、冶炼、水泥等行业，可悬挂于钢结构，安装于料斗下方实现均匀连续给料。

This swaying feeder is an auxiliary equipment for conveying systems, widely used in mineral processing, smelting, and cement industries. It can be suspended from steel structures or installed under hoppers for uniform, continuous feeding.

## 优势特点
ADVANTAGES & FEATURES

该设备安装于贮料槽或漏斗下方，用于输送粒度50mm以下、干燥不易结块的矿石等物料，不宜输送易堵塞、扬尘的粉末料。停机时亦可作闭锁器使用。

Installed below storage bins or hoppers, it is designed for conveying dry, non-caking materials like ores with a grain size below 50mm. It is not suitable for powdery materials prone to clogging or dusting. It can also function as a shut-off gate when stopped.

## 工作原理
WORKING PRINCIPLE

摆式给料机一般安装于料仓出料口下方，矿石由料仓落入给矿箱。工作时，电机驱动蜗轮减速机，带动偏心轮使给矿箱摆底作往复运动，实现均匀给料。可通过调节偏心盘刻度或电机转速，灵活调整给矿量。

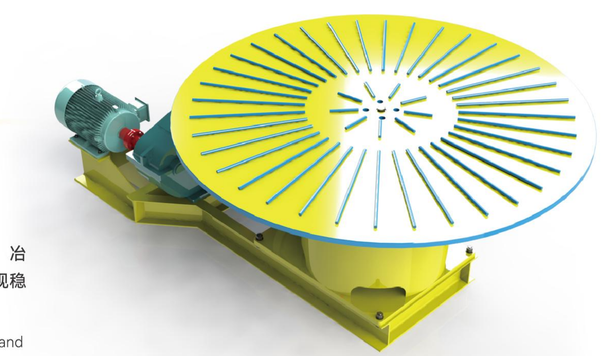
The Pendulum Feeder is usually installed below the bin discharge outlet. Material falls from the bin into the feed box. During operation, the motor drives a worm gear reducer, which actuates an eccentric wheel to impart a reciprocating motion to the swinging bottom plate of the feed box, ensuring uniform discharge. The feed rate can be flexibly adjusted by changing the eccentric disk setting or the motor speed.

## 技术参数
TECHNICAL PARAMETERS

**摆式给矿机 | Swaying Feeder**

| 型号 Model | 进口料(L×W) (mm) Inlet Size | 出口料(L×W) (mm) Outlet Size | 偏心轮行程 (mm) Stroke of Eccentric Wheel | 摆动次数 (r/min) Shake Frequency | 最大给料粒度 (mm) Max. Particle Size | 给料能力 (t/h) Feed Capacity | 电动机 Motor | | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 型号 Mode | 功率(kw) Power | 转速(r/min) Rotating Speed | |
| 250×250 | 250×250 | 250×30-115 | 0-90 | 46 | 25 | 4.5 | Y80-4 | 0.55 | 1390 | 130 |
| 300×300 | 300×300 | 300×30-125 | 0-90 | 46 | 30 | 6.5 | Y80S-4 | 0.75 | 1390 | 272 |
| 400×400 | 400×400 | 400×50-130 | 0-170 | 46 | 35 | 12 | Y90S-4 | 1.1 | 1400 | 558 |
| 600×600 | 600×600 | 600×50-150 | 0-200 | 46 | 50 | 25 | Y90L-4 | 1.5 | 1400 | 613 |

# 04
# 圆盘给料机
Disc Feeder



## 应用范围
APPLICATIONS

圆盘给料机适用于多种非粘性物料，广泛应用于选矿、冶炼、水泥及铸造等行业，可悬挂安装于料斗下方，实现稳定连续的给料作业。

The Disc Feeder is suitable for various non-sticky materials and finds wide application in mineral processing, smelting, cement, and foundry industries. It can be suspended under hoppers for stable and continuous feeding operations.





## 优势特点
ADVANTAGES & FEATURES

·圆盘给料机运行稳定简单易操作；
·适用范围广泛，节能高效；
·承载力大，运转平稳；
·具有结构简单、给料均匀，使用可靠的优点，如果改变调整套筒与圆盘之间的距离，可以达到调节给料量的目的。

·Stable, simple, and easy operation.
·Wide applicability, energy-efficient, and highly productive.
·High load capacity and smooth operation.
·Simple structure, even discharge, and reliable performance. Feed rate can be adjusted by altering the distance between the adjustable sleeve and the disc.

## 工作原理
WORKING PRINCIPLE

圆盘给料机工作时，物料由料斗落入受料筒，借自重堆积于圆盘表面。通过调节套筒与圆盘间隙可控制物料堆角，圆盘转动时物料被卸料刀连续、均匀地刮入接料斗。电动机经皮带轮与蜗杆减速器驱动圆盘转动，通过调节卸料刀与圆盘间隙即可控制给料量。

In operation, material falls from the hopper into the feed sleeve, accumulating on the rotating disc by gravity. The material pile angle is controlled by adjusting the sleeve-to-disc gap. As the disc rotates, material is scraped off continuously and uniformly by the discharge plough into the discharge chute. The motor drives the disc via a pulley and a worm gear reducer. The feed rate is controlled by adjusting the clearance between the discharge plough and the disc surface.

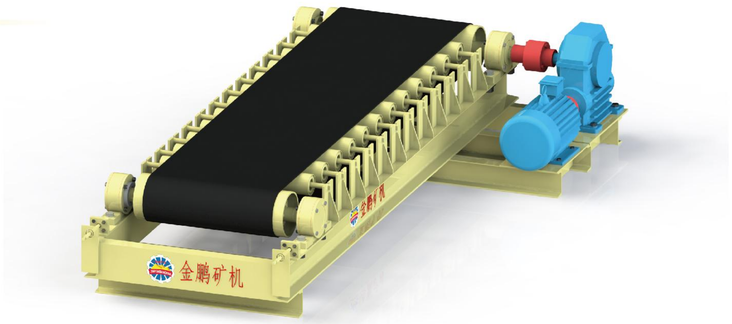
## 技术参数
TECHNICAL PARAMETERS

**圆盘给料机 | Disc Feeder**

| 类型 Type | 型 号 Model | 圆 盘 Disk | | 最大给料粒度 (mm) Max.Particle Size | 给料能力 ($m^3$/h) Feed Capacity | 电动机 Motor | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|
| | | 直径 (mm) Diameter | 转速 (r/min) Rotating Speed | | | 型号 Model | 功率 (kw) Power | |
| 封闭 Enclosed 吊式 Hanged | YG300 | 300 | 10 | 20 | 0-1.8 | Y80L-4 | 0.55 | 115 |
| | YG400 | 400 | 10.7 | | 0-2.6 | Y90L-6 | 1.5 | 120 |
| | YG500 | 500 | | | 0-3.3 | | | 124 |
| | YG600 | 600 | 10 | | 0-5.0 | | | 130 |
| | YG800 | 800 | 9 | 30 | 0-8.0 | | | 195 |
| | YG1000 | 1000 | | | 0-12 | Y90L-4 | 1.5 | 263 |
| | YG1500 | 1500 | 7 | 40 | 0-22 | $Y132M_2$-6 | 5.5 | 755 |
| | YG2000 | 2000 | 5 | 50 | 0-80 | T160L-6 | 11 | 2517 |
| 敞开 Open 吊式 Hanged | DK600 | 600 | 7.53 | 25 | 1.8-3.9 | Y90L-6 | 1.1 | 410 |
| | DK800 | 800 | 8 | 30 | 7.6 | | | 600 |
| | DK1000 | 1000 | 7.5 | 40 | 1.8-16.7 | Y100L-6 | 1.5 | 800 |
| | DK1300 | 1300 | 6.5 | 50 | 4.29-27.9 | Y132S-6 | 3 | 1110 |
| | DK1600 | 1600 | 6 | 60 | 7.03-48.6 | $Y132M_1$-6 | 4 | 1980 |
| | DK1800 | 1800 | 5 | 70 | 9.26-60 | $Y132M_2$-6 | 5.5 | 3070 |
| | DK2000 | 2000 | 5 | 80 | 13.6-88.4 | $Y132M_2$-6 | 5.5 | 3260 |

# 05

# 皮带给矿机
Belt Feeder




## 应用范围
APPLICATIONS

广泛应用于冶金、选矿、建材、水电等部门，可以用于运送堆积容重为0.5~2.5t/的各种块状、粒状散物料。

Widely used in metallurgy, mineral processing, building materials, and water conservancy sectors for conveying various bulk materials with a bulk density ranging from 0.5 to 2.5 t/m³.

## 优势特点
ADVANTAGES & FEATURES

·变频调速，矢量控制方式，恒扭矩启动；
·头尾轮包胶，摩擦力大，不打滑；噪音小；
·安装方便，输送量大；
·托辊加密，皮带加厚，能承受更大的物料压力；
·我公司可根据客户需要生产的加重型的皮带给矿机，采用斜齿轮硬齿面减速机，输送速度降低，可以直接安装在粉料仓漏斗底部，重载启动。

·Variable frequency speed control with vector control mode, ensuring constant torque start-up.
·Rubber-lined head and tail pulleys for high friction and minimal slippage; low noise levels.
·Easy installation and high conveying capacity.
·Dense idler spacing and thickened belt for withstanding higher material pressure.
·Our company can produce heavy-duty belt feeders based on client needs, utilizing helical, hard-geared reducers for lower speed, allowing direct installation under fine material silo hoppers with heavy-duty start-up capability.

## 工作原理
WORKING PRINCIPLE

物料通过给矿漏斗给到皮带给矿机带面上,随着变频电机的转动,胶带缓慢向前移动,带面上的物料经头轮给入下道工序,实现连续给料。

Material is fed onto the belt surface via a feed hopper. As the variable frequency motor rotates, the belt moves slowly forward. The material on the belt is then discharged at the head pulley to the next process stage, achieving continuous feeding.





## 技术参数
TECHNICAL PARAMETERS

| 皮带给矿机 | Belt Feeder | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 型号 Model | 皮带宽度 (mm) Belt Width | 首尾轮或鼓轮中心距（mm) Head and Tail Pulley (or Drum) Center Distance | 首尾轮直径 (mm) Head & Tail Pulley Dia. | 给料能力 ($m^3/h$) Feed Capacity | 给料粒度 (mm) Feed Particle | 电动机 Motor | | 重量 (kg) Weight |
| | | | | | | 型号 Model | 功率(kw) Power | |
| 500X1000 | 500 | 1000 | 219包胶 | 10-100 | 0 ~ 50 | YVF100L2-4 | 3 | 500 |
| 500X2000 | | 2000 | | | 0 ~ 50 | YVF100L2-4 | 3 | 749 |
| 500X3000 | | 3000 | | | 0 ~ 50 | YVF100L2-4 | 3 | 812 |
| 500X4500 | | 4500 | | | 0 ~ 50 | YVF100L2-4 | 3 | 1426 |
| 650X1500 | 650 | 1500 | 219包胶 | 15-200 | 0 ~ 65 | YVF100L2-4 | 3 | 870 |
| 650x2500 | | 2500 | | | 0 ~ 65 | YVF132M1-6 | 4 | 1028 |
| 650x3000 | | 3000 | | | 0 ~ 65 | YVF112M-4 | 4 | 1093 |
| 650X5000 | | 5000 | | | 0 ~ 65 | YVP112M-4 | 4 | 1607 |
| 800X4000 | 800 | 4000 | 400包胶 | 25-250 | 0 ~ 80 | YVF2-160M-6 | 5.5 | 1810 |
| 800x6000 | | 6000 | | | 0 ~ 80 | YVF-160L-8 | 7.5 | 2646 |
| 800x7000 | | 7000 | | | 0 ~ 80 | YVF-160L-8 | 7.5 | 2842 |
| 800x11000 | | 11000 | | | 0 ~ 80 | YVF2-160M-4 | 15 | 4853 |
| 1000x4000 | 1000 | 4000 | 400包胶 | 100-450 | 0 ~ 100 | YVF160M-4 | 11 | 2570 |
| 1000x4500 | | 4500 | | | 0 ~ 100 | YVF2-160M-4 | 11 | 3114 |
| 1000X6000 | | 6000 | | | 0 ~ 100 | YVF2-160M-4 | 11 | 3770 |
| 1000x7000 | | 7000 | | | 0 ~ 100 | YVF2-160M-4 | 11 | 3993 |
| 1200x4000 | 1200 | 4000 | 500包胶 | 120-540 | 0 ~ 100 | YVF2-160M-4 | 11 | 4729 |
| 1200x4500 | | 4500 | | | 0 ~ 100 | YVF2-160L-4 | 15 | 6100 |
| 1200x7800 | | 7800 | | | 0 ~ 100 | YVF2-200L-4 | 30 | 6828 |
| 1200x8000 | | 8000 | | | 0 ~ 100 | YVF2-200L-4 | 30 | 7906 |





# 06

# 板式给料机
Apron Feeder



## 重型板式给料机
Heavy-duty Apron Feeder

### 应用范围
APPLICATIONS

大型选矿厂破碎分级车间及水泥、建材等部门，作为料仓向初级破碎机连续和均匀给料之用，也可用于短距离输送粒度与比重较大的物料。

The primary strengths of this product lie in its exceptional adaptability to harsh environments, superior wear resistance, and extended service life.

### 优势特点
ADVANTAGES & FEATURES

产品最大优点在于，在恶劣环境下具有，适应性强、耐磨损、使用寿命长等特点。

The primary strengths of this product lie in its exceptional adaptability to harsh environments, superior wear resistance, and extended service life.

### 工作原理
WORKING PRINCIPLE

采用节距为228.6mm的高强度模锻链条为牵引件，两根链条绕过安装在机体头部的一对驱动链轮和机体尾部的一对张紧轮联成封闭形回路，在两排链条的每个链节上装配了相互交迭的、重型结构的输送槽而成为一个连续的能够运载物料的输送线路。其自重和物料的重量由安装在机体上的多排支重轮、链托轮和滑道梁支承。传动系统经交流变频调速电动机联接减速机，再由涨套与驱动装置直联驱动运载机构低速运行。将尾部料仓卸入的物料沿输送线路运至机体的前方排出，实现向下方的工作机械连续均匀喂料的目的。

Utilizes high-strength, precision-forged chains with a 228.6 mm pitch as the traction element. Two chains form an endless loop by passing over a pair of drive sprockets at the head and a pair of tension sprockets at the tail. Overlapping, heavy-duty pans are mounted on the chain links, creating a continuous material carrying line. The weight of the feeder and the material is supported by multiple rows of carrying rollers, chain support rollers, and slide rails mounted on the frame. The drive system, comprising an AC variable frequency motor coupled to a reducer, directly drives the conveying mechanism via a coupling at low speed. Material loaded from the tail end hopper is carried along the conveying path and discharged at the front, achieving continuous and uniform feed to the downstream equipment.

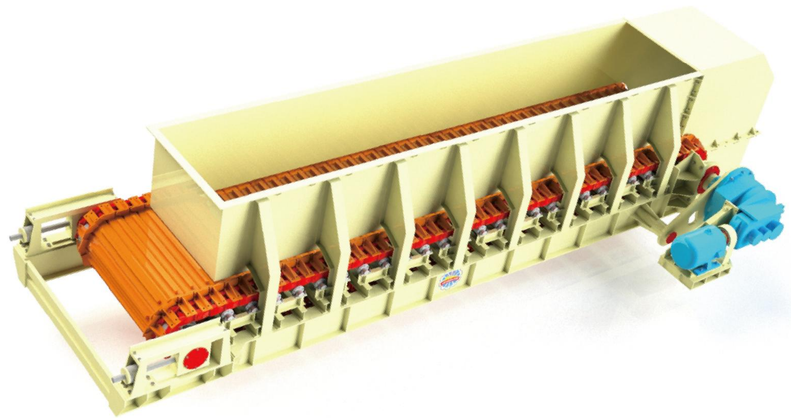




## 技术参数
TECHNICAL PARAMETERS

**重型板式给料机 | Heavy-duty Apron Feeder**

| 型 号 Model | 链板 Chain Plate | | | 给料粒度 (mm) Feeder Particle | 给料能力 ($m^3$/h) Feed Capacity | 电动机 Motor | | 外形尺寸 (L×W×H) (mm) Dimension |
|---|---|---|---|---|---|---|---|---|
| | 宽度(mm) Width | 链轮中心距(mm) Sprocket Center Distance | 速度(m/s) Speed | | | 型号 Model | 功率 (kw) Power | |
| GBZ120-4.5 | 1200 | 4500 | 0.05 | ≤500 | 100 | Y160L-4 | 15 | 6983×5228×2080 |
| GBZ120-5 | | 5000 | | | | | | 7593×5228×2080 |
| GBZ120-5.6 | | 5600 | | | | | | 8183×5228×2080 |
| GBZ120-6 | | 6000 | | | | | | 8638×5228×2080 |
| GBZ120-8 | | 8000 | | | | Y180L-4 | 22 | 10533×5293×2080 |
| GBZ120-8.7 | | 8700 | | | | | | 11383×5293×2080 |
| GBZ120-10 | | 10000 | | | | | | 12583×5293×2080 |
| GBZ120-12 | | 12000 | | | | | | 14653×5293×2080 |
| GBZ120-15 | | 15000 | | | | Y200L-4 | 30 | 17658×5518×2080 |
| GBZ150-4 | 1500 | 4000 | | ≤600 | 150 | Y160L-4 | 15 | 6613×5528×2080 |
| GBZ150-6 | | 6000 | | | | Y180L-4 | 22 | 8638×5593×2080 |
| GBZ150-7 | | 7000 | | | | | | 9633×5593×2080 |
| GBZ150-8 | | 8000 | | | | | | 10533×5593×2080 |
| GBZ150-9 | | 9000 | | | | Y200L-4 | 30 | 11683×5668×2080 |
| GBZ150-12 | | 12000 | | | | Y225M-4 | 45 | 14653×5888×2080 |
| GBZ180-8 | 1800 | 8000 | | ≤800 | 240 | Y225M-4 | 45 | 10533×6188×2080 |
| GBZ180-9.5 | | 9500 | | | | | | 12033×6188×2080 |
| GBZ180-10 | | 10000 | | | | | | 12593×6188×2080 |
| GBZ180-12 | | 12000 | | | | | | 14653×6188×2080 |
| GBZ240-4 | 2400 | 4000 | | ≤1000 | 400 | Y200L-4 | 30 | 6613×6718×2080 |
| GBZ240-5 | | 5000 | | | | | | 7533×6718×2080 |
| GBZ240-5.6 | | 5600 | | | | | | 8133×6718×2080 |
| GBZ240-10 | | 10000 | | | | Y225M-4 | 45 | 12593×6718×2080 |
| GBZ240-12 | | 12000 | | | | | | 14653×6718×2080 |
| GBZ280-10 | 2800 | 10000 | | ≤1200 | 1500 | 2-Y225M-4 | 45×2 | 12593×5798×1539 |



# 加重型中型板式给料机
Heavy-duty Medium Apron Feeder

## 应用范围
APPLICATIONS

中型板式给料机系间歇和均匀给料机械，适用于短距离输送给料粒度400mm以下的块状物料。在矿山、选厂、化工、水泥、建材等部门，广泛用于从储料仓往破碎、运输等机械作均匀间歇给料。可水平安装，也可倾斜安装，其最大向上倾角20度。一般适应松散密度小于2400kg/m³、块重小于500kg的物料。

The medium-duty plate feeder is an intermittent and uniform feeding machine, designed for short-distance handling of bulk materials with a feed size up to 400mm. It is widely used in mining, concentration plants, chemical, cement, and building materials industries to provide even and batch feeding from storage bins to crushers, conveyors, and other equipment.

## 优势特点
ADVANTAGES & FEATURES

·采用加厚链板、重型支重轮与强化机架，核心部件全面加强，使用寿命长。
·在同等空间下输送量更大，成功替代小规格重板，是间歇、均匀给料的可靠经济之选。

·Built with thickened chain plates, heavy-duty supporting wheels, and a reinforced frame. All core components are strengthened for extended service life.
·Delivers higher throughput in the same footprint compared to conventional feeders. A reliable and cost-effective solution for intermittent and uniform feeding, successfully replacing smaller heavy plate feeders.

## 工作原理
WORKING PRINCIPLE

通过传动系统驱动链轮，带动加厚链板在重型支重轮上循环运转，从而实现物料的平稳输送与均匀给料。

Powered by a transmission system, the drive sprocket propels the thickened drag chain, which cycles over heavy-duty supporting wheels. This ensures smooth material conveying and uniform feeding.

## 技术参数
TECHNICAL PARAMETERS

**加重型中型板式给料机 | Heavy-duty Medium Apron Feeder**

| 型 号 Model | 链板 Apron Plate | | | | 给料粒度 (mm) Feeder Particle | 料层厚度 (mm) Bed Depth | 给料能力 (t/h) Feed Capacity | 电机功率 (kW) Motor Power | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|
| | 宽度 (mm) Width | 链轮中心距 (mm) Sprocket Center Distance | 链板厚度 (mm) Apron Plate Thickness | 速度 (m/s) Speed | | | | | |
| GBH80-2.2 | 800 | 2200 | 12 | 0.04 ~ 0.098 | ≤250 | 450 | 50 ~ 120 | 5.5 | 3722 |
| GBH80-4 | | 4000 | 12 | 0.04 ~ 0.098 | | | | 7.5 | 5100 |
| GBH100-3.2 | 1000 | 3000 | 12 | 0.03 ~ 0.074 | ≤300 | 450 | 50 ~ 120 | 7.5 | 5500 |
| GBH100-4.5 | | 4500 | 12 | 0.03 ~ 0.074 | | | | 7.5 | 6500 |
| GBH120-3 | 1200 | 3000 | 12 | 0.03 ~ 0.068 | ≤400 | 500 | 80 ~ 200 | 7.5 | 6866 |
| GBH120-4 | | 4000 | 12 | 0.03 ~ 0.068 | | | | 11 | 8086 |
| GBH120-4.5 | | 4500 | 12 | 0.03 ~ 0.068 | | | | 11 | 9514 |
| GBH120-6 | | 6000 | 12 | 0.03 ~ 0.068 | | | | 11 | 12560 |
| GBH140-5 | 1400 | 5000 | 12 | 0.04-0.098 | | | 100 ~ 240 | 11 | 12037 |
| GBH150-6 | 1500 | 6000 | 12 | 0.03 ~ 0.068 | | 600 | 150 ~ 300 | 15 | 16037 |
| GBH150-6 | 1500 | 6000 | 12 | 0.03 ~ 0.068 | ≤400 | 750 | 180 ~ 360 | 18.5 | 17177 |





# 轻型板式给料机
Light Apron Feeder

## 应用范围
APPLICATIONS

该产品系连续给料机械，适用于短距离输送给料粒度160mm以下的块状物料。

Product Description: This product is a continuous feeding machine suitable for the short-distance conveying of bulk materials with a maximum grain size of 160mm.

## 技术参数
TECHNICAL PARAMETERS

**轻型板式给料机 | Light Apron Feeder**

| 型 号 Model | 链板Apron Plate | | | 给料粒度 (mm) Feeder Particle | 给料能力 (m³/h) Feed Capacity | 电动机 Motor | | 外形尺寸(L×W×H) (mm) Dimension |
|---|---|---|---|---|---|---|---|---|
| | 宽度 (mm) Width | 链轮中心距 (mm) Sprocket Center Distance | 速度 (m/s) Speed | | | 型号 Model | 功率 (kw) Power | |
| GBQ50-6 | 500 | 6000 | 0.16 | 160 | 60 | Y160M-6 | 7.5 | 7476×2475×980 |
| GBQ50-9.5 | 500 | 9500 | | | | | | 10976×2475×980 |
| GBQ50-12 | 500 | 12000 | 0.1 | | 41 | | | 14276×2790×980 |
| GBQ50-14 | 500 | 14000 | 0.16 | | 60 | Y160L-6 | 11 | 15476×2826×980 |
| GBQ80-6 | 800 | 6000 | | | 170 | Y160M-6 | 7.5 | 7476×3045×980 |
| GBQ80-10 | 800 | 10000 | | | | | | 11476×3045×980 |
| GBQ80-12 | 800 | 12000 | | | | Y160L-11 | 11 | 13476×3126×980 |



# 破碎设备
# CRUSHING EQUIPMENT



金鹏的破碎设备以单缸液压圆锥破碎机为代表，该设备主要用于矿石的中碎与细碎作业。它利用冲击能破碎物料，破碎过程由偏心套驱动破碎壁旋摆运动，与轧臼壁共同作用完成。物料经上部进料斗进入，破碎后由下部排出。

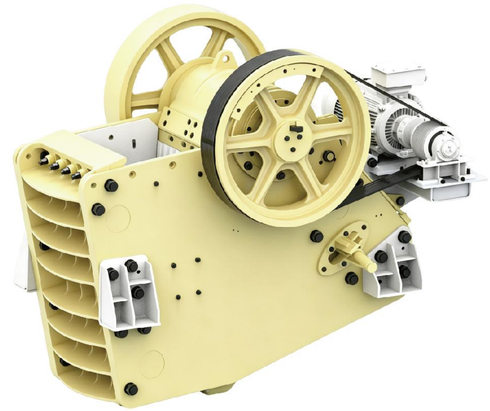
Jinpeng's crushing equipment is exemplified by its single-cylinder hydraulic cone crusher, a leading solution for medium and fine crushing of ores. Utilizing impact energy, the machine processes materials through an eccentrically driven crushing mantle that gyrates against a fixed concave. Material is fed from the top hopper and discharged after compression at the bottom.





# 01

## 颚式破碎机
Jaw Crusher



### 应用范围
APPLICATIONS

颚式破碎机广泛用于矿山、砂石、水泥、筑路、冶金、化工等行业。PE系列适用于矿石与岩石的粗碎，PEX系列适用于中碎与细碎。PEV系列适用于粗碎、中碎和细碎各种硬度不大于300MPa矿石或岩石。

Jaw crushers are widely used in industries such as mining, aggregates, cement, road construction, metallurgy, and chemicals. The PE series is suitable for the primary crushing of ores and rocks, while the PEX series is suitable for secondary and fine crushing. The PEV series is applicable to the primary, secondary, and fine crushing of ores or rocks with a compressive strength not exceeding 300 MPa.

### 优势特点
ADVANTAGES & FEATURES

·腔型优化，破碎比大，效率高；
·动颚转速高，配合弧形颚板设计，产能显著；
·出料粒度均匀，运行稳定，维护简便，运营成本低。

·Optimized crushing chamber design with high reduction ratio and efficiency;
·High-speed movable jaw combined with curved jaw plates significantly enhances production capacity;
·Uniform discharge size, stable operation, easy maintenance, and low operating costs.

### 工作原理
WORKING PRINCIPLE

电机通过V带带动主机皮带轮，主机皮带轮驱动偏心轴，使动颚按已定的规则性运动轨迹作往复的上下前后周期性变化运动，从而将破碎腔内的物料予以破碎，物料靠自重由排料口排出。

The motor drives the main pulley via V-belts, and the main pulley drives the eccentric shaft, causing the movable jaw to undergo reciprocating motion in a cyclical up-and-down and forward-backward pattern along a predetermined trajectory. This crushes the material inside the crushing chamber, and the crushed material is discharged from the discharge opening by gravity.

### 技术参数
TECHNICAL PARAMETERS

**ZG-PEX 颚式破碎 | ZG-PEX Type for Jaw Crusher**

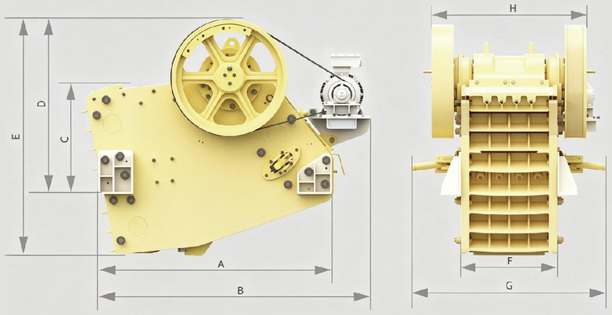
| 规格型号 Model | 最大给料粒度 (mm) Max.Particle Size | 排料口调整范围(mm) Discharge Opening Adjustment Range | 生产量 (t/h) Capacity | 电机功率 (kw) Motor Power | 外形尺寸(L×W×H) (mm) Dimensions | 重量 (t) Weight |
|---|---|---|---|---|---|---|
| ZG-PEX-150×750 | 120 | 10/40 | 8/25 | 15.0 | 1320×1570×1050 | 3.1 |
| ZG-PEX-150×1000 | 140 | 15-45 | 12/35 | 22.0 | 1400×1810×1250 | 5 |
| ZG-PEX-200×1000 | 160 | 15-50 | 12/40 | 22.0 | 1530×1810×1250 | 5 |
| ZG-PEX-250×750 | 210 | 20-60 | 15-40 | 30.0 | 1480×1710×1470 | 5.5 |
| ZG-PEX-250×1000 | 210 | 20-60 | 20-50 | 30.0 | 1530×1920×1380 | 6.5 |
| ZG-PEX-350×750 | 300 | 20-60 | 30-80 | 30.0 | 1650×1850×1640 | 8.5 |
| ZG-PEX-200×1200 | 160 | 20-60 | 30-100 | 37.0 | 1650×2150×1460 | 8.5 |
| ZG-PEX-250×1200 | 210 | 20-60 | 40-120 | 45.0 | 1650×2150×1460 | 8.5 |
| ZG-PEX-300×1300 | 250 | 20-90 | 60-180 | 55.0 | 1870×2400×1730 | 11 |
| ZG-PEX-350×1500 | 300 | 30-90 | 80-220 | 75.0 | 1900×2660×1830 | 15 |
| ZG-PEX-600×1500 | 550 | 60-120 | 120-260 | 90.0 | 2200×2750×2200 | 22 |

| ZG-PE 型颚式破碎机 \| ZG-PE Type Jaw Crusher | | | | | | |
|---|---|---|---|---|---|---|
| 规格型号 Model | 最大给料粒度 (mm) Max.Particle Size | 排料口调整范围(mm) Discharge Opening Adjustment Range | 生产量 (t/h) Capacity | 电机功率 (kw) Motor Power | 外形尺寸(L×W×H) (mm) Dimensions | 重量 (t) Weight |
| ZG-PE-150×250 | 125 | 10-40 | 2-6 | 5.5 | 900×750×950 | 1.1 |
| ZG-PE-250×400 | 210 | 20-60 | 10/20 | 15.0 | 1450×1280×1350 | 3 |
| ZG-PE-250×500 | 210 | 20-80 | 15-30 | 18.5 | 1450×1350×1350 | 4 |
| ZG-PE-400×600 | 350 | 40-100 | 20-50 | 30.0 | 1700×1700×1650 | 6 |
| ZG-PE-500×750 | 400 | 50-120 | 40-90 | 45.0 | 2000×1950×1900 | 11 |
| ZG-PE-600(A)×900 | 425 | 80-130 | 50-120 | 55.0 | 2200×1960×1950 | 12.5 |
| ZG-PE-600×900 | 480 | 100-200 | 90-200 | 75.0 | 2400×2230×2400 | 18 |
| ZG-PE-700×1000 | 550 | 100-210 | 100-260 | 75.0 | 2400×2280×2400 | 19.5 |
| ZG-PE-750×1060 | 630 | 120-235 | 150-350 | 90.0 | 500×2370×2780 | 26 |
| ZG-PE-900×1200 | 750 | 150-265 | 300-550 | 110.0 | 3200×2820×3260 | 45 |
| ZG-PE-1100×1400 | 900 | 160-350 | 500-800 | 160.0 | 3850×3050×4000 | 75 |
| ZG-PE-1200×1500 | 1020 | 200-400 | 800-1000 | 200.0 | 4050×3150×4200 | 90 |
| ZG-PE-1500×1800 | 1200 | 220-550 | 900-1300 | 220.0 | 5100×4700×4300 | 122 |
| ZG-PE-1600×2100 | 1250 | 280-650 | 1000-1500 | 355.0 | 5600×5020×4950 | 169 |

| PEV 型颚式破碎机 \| PEV Jaw Crusher | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 型号 Model | | PEV500×750 | PEV600×900 | PEV750×1060 | PEV950×1250 | PEV1100×1400 | PEV1200×1600 | PEV1500×2000 |
| 最大给料粒度 (mm) Max.Particle Size | | 400 | 480 | 600 | 760 | 880 | 960 | 1200 |
| 电机功率 (kw) Motor Power | | 55-75 | 75-90 | 110-132 | 160 | 200 | 250 | 400 |
| 产品粒度 (mm) Max.Particle Size | 紧边排料口 (mm) Closed Side Setting | 处理能力 (t/h) Capacity | | | | | 处理能力 (t/h) Capacity | |
| 0-60 | 40 | 65-85 | / | / | / | / | / | / |
| 0-75 | 50 | 80-105 | / | / | / | / | / | / |
| 0-90 | 60 | 95-125 | 120-155 | / | / | / | / | / |
| 0-105 | 70 | 115-150 | 140-180 | 185-240 | / | / | / | / |
| 0-120 | 80 | 130-170 | 160-210 | 210-270 | / | / | / | / |
| 0-135 | 90 | 150-195 | 180-235 | 230-300 | / | / | / | / |
| 0-150 | 100 | 165-215 | 200-260 | 255-330 | 305-395 | | | / |
| 0-185 | 125 | 210-275 | 250-325 | 310-400 | 370-480 | 425-550 | | / |
| 0-225 | 150 | 250-325 | 300-390 | 365-470 | 430-560 | 500-645 | 565-735 | |
| 0-260 | 175 | / | 350-455 | 420-545 | 495-645 | 570-740 | 645-840 | 860-1185 |
| 0-300 | 200 | / | | 465-605 | 560-725 | 620-805 | 705-915 | 965-1335 |
| 0-340 | 225 | / | / | / | 620-805 | 690-895 | 785-1020 | 1070-1475 |
| 0-375 | 250 | / | / | / | 685-890 | 760-990 | 860-1120 | 1175-1620 |
| 0-410 | 275 | / | / | / | / | / | 940-1220 | 1280-1765 |
| 0-450 | 300 | / | / | / | / | / | 1025-1330 | 1385-1910 |

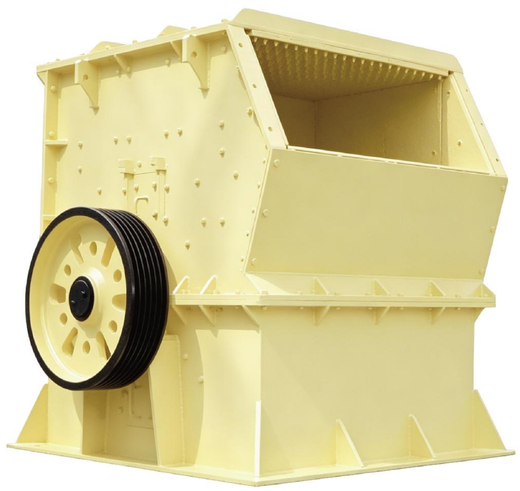







| 型号 Model | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) |
|---|---|---|---|---|---|---|---|---|
| PEV500×750 | 1910 | 2504 | 799 | 1367 | 1826 | 900 | 2158 | 1506 |
| PEV600×900 | 2430 | 3035 | 1049 | 1665 | 2158 | 1044 | 2225 | 1678 |
| PEV750×1060 | 2885 | 3500 | 1415 | 2215 | 2703 | 1224 | 2390 | 2040 |
| PEV950×1250 | 3613 | 4235 | 1566 | 2475 | 3416 | 1454 | 3109 | 2375 |
| PEV1100×1400 | 3833 | 4474 | 1809 | 2850 | 3830 | 1620 | 3247 | 2598 |
| PEV1200×1600 | 4414 | 5109 | 1769 | 2789 | 3854 | 1880 | 3463 | 3074 |
| PEV1500×200 | 5287 | 6597 | 2597 | 4100 | 4958 | 2344 | 4300 | 3776 |

# 02
# 锤式破碎机
Hammer Cusher



## 应用范围
APPLICATIONS

锤式破碎机是直接将最大粒度为1000以下毫米的物料破碎至50或60毫米以下的一段破碎用破碎机。锤式破碎机适用于在水泥、化工、电力、冶金等工业部门破碎中等硬度的物料，如石灰石、炉渣、焦炭、煤等物料的中碎和细碎作业。

The hammer crusher is a primary crusher that directly crushes materials with a maximum feed size of below 1000 mm down to below 50 or 60 mm. It is suitable for the secondary and fine crushing of medium-hard materials such as limestone, slag, coke, and coal in industries including cement, chemical, electric power, and metallurgy.

## 优势特点
ADVANTAGES & FEATURES

·工作锤头，采用新工艺精选，具有耐磨，耐冲击。
·可据客户要求，调节需要的粒度。
·锤破机体结构密封，解决了破碎车间的粉尘污染和机体漏灰问题。
·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。

·Working hammer,new technology selecton,with wear and impact resistance.
·Can accordng to customer requirements,adjust the required particle size.
·Hammer broken seal body structure to solve the dust pollution crushing plant and body ash leakage problems.
·The overal design is handsome in appearance,compact structure,less wearing parts,esy maintenance,ete.,is theupgrading of products.

## 工作原理
WORKING PRINCIPLE

锤式破碎机通过转子的高速旋转驱动锤头，对进入破碎腔的物料施加冲击、剪切作用，使其破碎。物料在锤头打击及自身惯性作用下，与筛板、衬板发生碰撞研磨，合格颗粒通过筛孔排出，大颗粒则继续破碎直至达标。

The hammer crusher utilizes the high-speed rotation of the rotor to drive the hammers, which impact and shear materials entering the crushing chamber, breaking them down. As materials are struck by the hammers and propelled by their own inertia, they collide and grind against the screen plates and liners. Qualified particles pass through the screen openings, while larger particles continue to be crushed until they meet the required size.

## 技术参数
TECHNICAL PARAMETERS

**锤式破碎机 | Hammer Cusher**

| 型号 Model | 最大给料粒度 (mm) Max. Particle Size | 排矿口调节范围 (mm) Discharge Opening Adjustment Range | 处理能力 (t/h) Capacity | 电机功率 (kw) Motor Power |
|---|---|---|---|---|
| PC-ϕ375×300 | 100 | 3-15 | 1-5 | 5.5 |
| PC-ϕ600×400 | 100 | 10-35 | 7-15 | 18.5 |
| PC-ϕ600×600 | 200 | 10-35 | 10-20 | 37 |
| PC-ϕ600×800 | 200 | 10-35 | 15-26 | 45 |
| PC-ϕ800×800 | 300 | 10-50 | 25-50 | 45 |
| PC-ϕ800×1000 | 300 | 10/50 | 30-70 | 55 |
| PC-ϕ1000×1000 | 500 | 20-70 | 60-100 | 75 |
| PC-ϕ1000×1200 | 500 | 20-80 | 80-120 | 90 |
| PC-ϕ1000×1500 | 500 | 20-100 | 100-150 | 110 |
| PC-ϕ1000×1800 | 500 | 20-100 | 100-160 | 132 |
| PC-ϕ1250×1400 | 550 | 20-150 | 130-180 | 132 |
| PC-ϕ1250×1600 | 550 | 20-150 | 150-200 | 160 |
| PC-ϕ1250×1800 | 550 | 20-150 | 180-280 | 200-220 |
| PC-ϕ1400×1800 | 650 | 30-150 | 260-450 | 220-280 |
| PC-ϕ1600×2000 | 650 | 40-150 | 300-500 | 250-315 |
| PC-ϕ1800×2000 | 700 | 40-150 | 400-600 | 500-630 |
| PC-ϕ1800×2200 | 800 | 50-150 | 500-800 | 500-630 |
| PC-ϕ2000×2200 | 900 | 50-150 | 600-1000 | 500-630 |
| PC-ϕ2000×2500 | 1000 | 50-200 | 800-1200 | 630-800 |
| PC-ϕ2200×2800 | 1000 | 100-200 | 1000-1500 | 800-1000 |





# 03
# 反击式破碎机
Impact Crusher



## 应用范围
APPLICATIONS

反击式破碎机配置在粗破碎机后的中碎，可破碎抗压强度不超过320兆帕的矿石，岩石，具有处理量大，排料细的特点。经破碎的产品呈立方体，针叶状含量低，无内裂缝，是高等公路，水利，机场，建筑等行业生产优质石料的首选设备。

The impact crusher is configured for secondary crushing after the primary crusher. It can crush ores and rocks with a compressive strength not exceeding 320 MPa, featuring large processing capacity and fine discharge. The crushed product is cubic in shape, with low needle-like particle content and free of internal cracks, making it the preferred equipment for producing high-quality aggregates in industries such as high-grade highways, water conservancy, airports, and construction.

## 优势特点
ADVANTAGES & FEATURES

·反击板与板锤间隙能方便调节，有控制出料粒度，颗粒性状好;
·矿石沿节理面破碎，电耗少，效率高;
·高铬板锤，抗冲击、抗磨损、冲击力大;
·破碎比例大，可达40，因此可以简化破碎流程，可使三段破碎变成两段或-段破碎，降低选矿厂设备费用。

·The clearance between the impact plate and the blow bar can be easily adjusted, enabling effective control of the discharge particle size and producing excellent particle shape.
·Ore is crushed along its joint planes, resulting in low power consumption and high efficiency.
·High-chrome blow bars offer excellent impact and wear resistance, delivering strong impact force.
·The large crushing ratio, up to 40, simplifies the crushing process, allowing three-stage crushing to be reduced to two or even one stage, thereby reducing equipment costs for the beneficiation plant.

## 技术参数
TECHNICAL PARAMETERS

**反击式破碎机 | Impact Crusher**

| 型号 Model | 规格 (mm) Specification | 最大进料粒度 (mm) Max. Particle Size | 生产量 (t/h) Capacity | 电动功率 (kw) Motor Power |
|---|---|---|---|---|
| PF-0504 | ϕ500×400 | 100 | 5-8 | 7.5 |
| PF-0607 | ϕ600×700 | 120 | 10-20 | 30 |
| PF-1007 | ϕ1000×1050 | 250 | 15-30 | 37 |
| PF-1010 | ϕ1000×1050 | 250 | 30-80 | 75 |
| PF-1210 | ϕ1250×1050 | 300 | 60-120 | 110 |
| PF-1214 | ϕ1250×1400 | 300 | 80-160 | 132 |
| PF-1315 | ϕ1320×1500 | 300 | 100-180 | 200 |
| PF-1320 | ϕ1320×2000 | 300 | 150-250 | 280 |
| PF-1515 | ϕ1500×1500 | 350 | 180-280 | 315 |
| PF-1520 | ϕ1500×2000 | 350 | 200-320 | 350 |

# 04

## 双辊破碎机
Double Roll Crusher



### 应用范围
APPLICATIONS

双辊破碎机适用于中碎与细碎作业，广泛应用于铁矿石、石英石、钾长石、重晶石等中硬矿石的破碎。设备采用双辊挤压破碎原理，出料粒度可灵活调节，能有效处理含水物料，运行粉尘低、能耗省，且辊皮耐磨性强、维护简便。

The double roll crusher is suitable for secondary and fine crushing operations and is widely used for crushing medium-hard ores such as iron ore, quartz, potash feldspar, and barite. Employing the double-roll extrusion crushing principle, it offers flexible adjustment of discharge particle size, can effectively handle materials with moisture content, features low dust generation and low energy consumption during operation, and has highly wear-resistant roll shells for easy maintenance.

### 技术参数
TECHNICAL PARAMETERS

| 双辊破碎机 | Double Roll Crusher | | | | | |
|---|---|---|---|---|---|---|
| 型号<br>Model | 最大给料粒度<br>(mm)<br>Max. Particle Size | 排矿口调节范围<br>(mm)<br>Discharge Opening Adjustment Range | 处理能力<br>(t/h)<br>Capacity | 电机功率<br>(kw)<br>Motor Power | 重量<br>(t)<br>Weight | 外形尺寸<br>L×W×H (m)<br>Overall Dimensions |
| 2PGS ϕ400×250 | 30 | 0-5 | 5-15 | 5.5×2 | 1.5 | 2350×1000×810 |
| 2PGS ϕ610×400 | 70 | 0-8 | 10-35 | 15×2 | 3.8 | 3300×1500×1050 |
| 2PGS ϕ750×500 | 85 | 0-10 | 15-45 | 15×2 | 5.5 | 3750×1600×1150 |
| 2PGS ϕ800×600 | 85 | 0-10 | 20-70 | 18.5×2 | 7.5 | 3950×1700×1200 |
| 2PGS ϕ1000×800 | 100 | 0-10 | 30-90 | 22×2 | 15 | 5520×2060×1360 |
| 2PGS ϕ1250×1000 | 100 | 0-10 | 40-120 | 37×2 | 25 | 6270×2680×1590 |
| 2PGS ϕ1500×1000 | 100 | 0-10 | 50-140 | 45×2 | 28 | 6770×2680×1590 |





# 05

## 圆锥式破碎机
Cone Crusher

### 单缸液压圆锥式破碎机
Single Cylinder Hydraulic Cone Crusher



### 应用范围
APPLICATIONS

单缸液压圆锥式破碎机适用于大、中型矿石、砂石加工企业，适用于中硬及高硬度岩石及各种矿石的中碎与细碎。

The single cylinder hydraulic cone crusher is suitable for large and medium-sized ore and aggregate processing plants. It is applicable to the secondary and fine crushing of medium-hard and high-hardness rocks, as well as various ores.

### 优势特点
ADVANTAGES & FEATURES

·可破碎坚硬岩石，通过更换破碎壁即可实现多种腔型，中碎型给料口大，可兼顾二级破碎甚至粗碎。
·可破碎坚硬岩石，通过更换破碎壁即可实现多种腔型，中碎型给料口大，可兼顾二级破碎甚至粗碎。
·进口轴承传动部件，寿命更长；正压除尘保持液压系统清洁；稀油润滑双重保护轴承，有效降低故障率与维护成本。
·液压力无级调节排料口，生产过程中即可操作；破碎壁精加工设计，装配无需填料。
·搭载PLC控制系统，设备操作简单直观，降低人工依赖。
·优化的衬板设计降低单位钢耗，层压破碎与挤满给料提升作业率，全面降低生产成本。

·Capable of crushing hard rock; multiple chamber configurations can be achieved simply by replacing the crushing mantle. The medium-crushing chamber type features a large feed opening, allowing it to handle secondary crushing and even primary crushing.

·Capable of crushing hard rock; multiple chamber configurations can be achieved simply by replacing the crushing mantle. The medium-crushing chamber type features a large feed opening, allowing it to handle secondary crushing and even primary crushing.

·Imported bearing drive components ensure extended service life; a positive-pressure dust-proof system keeps the hydraulic system clean; thin oil lubrication provides dual protection for bearings, effectively reducing failure rates and maintenance costs.

· Hydraulic power enables stepless adjustment of the discharge opening, which can be operated during the production process; the precision-machined design of the crushing mantle requires no filling during assembly.

·Equipped with a PLC control system, the equipment offers simple and intuitive operation, reducing labor dependency.

·Optimized liner design lowers unit steel consumption; laminated crushing and choke feeding improve operating efficiency, comprehensively reducing production costs.

## 工作原理
WORKING PRINCIPLE

破碎过程是由受偏心套驱动的偏心旋摆的破碎壁和轧臼壁完成的。物料通过上部的进料斗进入破碎壁，破碎后由出料口排出。

The crushing process is accomplished by the eccentrically swinging mantle and concave, which are driven by the eccentric sleeve. Material enters the crushing chamber through the feed hopper at the top, and the crushed product is discharged through the discharge opening.

## 技术参数
TECHNICAL PARAMETERS

**单缸液压圆锥式破碎机（细碎型）| Single Cylinder Hydraulic Cone Crusher (Fine Crushing Type)**

| 型号 Model | 腔型 Chamber | 给料口 (mm) Feed Inlet | 最大给料粒度 (mm) Max.Particle Size | 最小排料 Min.Discharging Amount(mm) | | | 最大给料粒度(mm) Max.Particle Size | | | 电机功率 (kw) Motor Power |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | |
| JPY100 | | | | 16 | 22 | / | 16 | 22 | / | 90 |
| | A | 150 | 120 | 12 | 15 | / | 39 | 37 | / | |
| | B | 130 | 105 | 10 | 11 | / | 33 | 31 | / | |
| | C | 100 | 85 | 7 | 9 | / | 33 | 30 | / | |
| JPY200 | | | | 25 | 32 | / | 25 | 32 | / | 200-220 |
| | A | 225 | 180 | 22 | 26 | / | 45 | 40 | / | |
| | B | 150 | 120 | 19 | 23 | / | 45 | 40 | / | |
| | C | 80 | 60 | 12 | 14 | / | 40 | 35 | / | |
| JPY300 | | | | 25 | 32 | / | 25 | 32 | / | 250-280 |
| | A | 225 | 180 | 22 | 28 | / | 50 | / | / | |
| | B | 150 | 125 | 19 | 23 | / | 45 | / | / | |
| | C | 80 | 60 | 10 | 12 | / | 40 | / | / | |
| JPY500 | | | | 34 | 42 | 50 | 34 | 50 | 50 | 315-355 |
| | A | 280 | 220 | 24 | 26 | 30 | 45 | 30 | 30 | |
| | B | 150 | 125 | 19 | 21 | 24 | 45 | 30 | 30 | |
| | C | 100 | 80 | 12 | 12 | 14 | 35 | 25 | 25 | |
| JPY700 | | | | 50 | 60 | 70 | 50 | 70 | 70 | 450-560 |
| | A | 300 | 220 | 22 | 26 | 50 | 50 | 36 | 36 | |
| | B | 180 | 125 | 17 | 20 | 25 | 50 | 36 | 36 | |
| | C | 130 | 80 | 10 | 12 | 14 | 46 | 34 | 34 | |
| JPY800 | | | | 58 | 70 | 80 | 58 | 80 | 80 | 630 |
| | A | 320 | 220 | 22 | 26 | 30 | 50 | 36 | 36 | |
| | B | 180 | 125 | 19 | 21 | 24 | 50 | 36 | 36 | |
| | C | 130 | 80 | 10 | 12 | 14 | 46 | 34 | 34 | |





**单缸液压圆锥式破碎机生产能力参考（细碎型）**
**Production Capacity Reference for Single Cylinder Hydraulic Cone Crusher (Fine Crushing Type)**

| 型号 Model | 冲程 Stroke | 紧边排料口(t/h) Closed side discharge outlet（mm） | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 8 | 12 | 16 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| JPY100 | 16 | 35-40 | 45-55 | 55-65 | 65-75 | 75-85 | 90-100 | 105-115 | / | / | / |
| | 22 | 45-50 | 55-65 | 65-75 | 75-90 | 85-105 | 100-125 | 115-135 | / | / | / |
| JPY200 | 25 | 85-105 | 105-130 | 130-155 | 150-180 | 185-220 | 220-255 | 255-280 | 270-310 | 285-330 | / |
| | 32 | / | 130-160 | 155-175 | 175-200 | 190-230 | 230-260 | 260-310 | 280-320 | 290-350 | / |
| JPY300 | 25 | 115-140 | 135-165 | 165-190 | 175-210 | 200-235 | 235-270 | 270-310 | 290-340 | 320-360 | / |
| | 32 | 130-160 | 155-200 | 210-250 | 225-255 | 245-295 | 280-330 | 320-365 | 340-385 | 365-405 | / |
| JPY500 | 34 | / | 245-270 | 270-305 | 310-340 | 330-380 | 385-435 | 445-495 | 495-530 | 540-585 | 575-640 |
| | 42 | / | 280-320 | 320-355 | 350-395 | 390-460 | 475-525 | 550-605 | 610-665 | 650-715 | / |
| | 50 | / | 330-365 | 370-410 | 410-455 | 465-535 | 540-595 | 590-655 | 650-715 | / | / |
| JPY700 | 50 | / | 300-370 | 375-440 | 445-520 | 525-590 | 590-690 | 675-755 | 740-840 | 830-920 | 880-980 |
| | 60 | / | 360-430 | 430-495 | 490-555 | 550-640 | 630-730 | 730-835 | 800-905 | 900-990 | 950-1040 |
| | 70 | / | 420-500 | 495-570 | 565-640 | 645-725 | 700-790 | 770-865 | 880-1000 | 980-1070 | / |
| JPY800 | 58 | / | 400-480 | 470-540 | 535-610 | 595-670 | 660-760 | 760-845 | 835-945 | 935-1020 | 1000-1100 |
| | 70 | / | 460-540 | 535-610 | 600-670 | 660-760 | 750-850 | 860-935 | 930-1050 | 1040-1130 | / |
| | 80 | / | 520-600 | 590-670 | 650-750 | 745-855 | 850-950 | 940-1030 | 1030-1130 | 1120-1250 | / |

**单缸液压圆锥式破碎机（中碎型）| Single Cylinder Hydraulic Cone Crusher (Medium Crushing Type)**

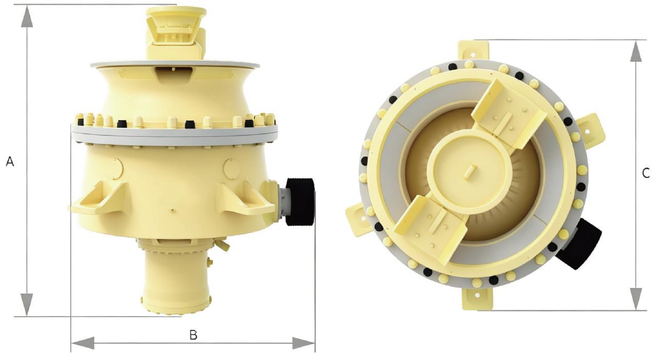
| 机型 Model | 腔型 Chamber | 给料口 (mm) Feeding Hold | 最大给料粒度 (mm) Max.Particle Size | 最小排料 Min.Discharging Amount(mm) | | | 最大给料粒度(mm) Max.Particle Size | | | 电机功率 (kw) Motor Power |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | 冲程 Stroke | |
| JPYZ300 | | | | 25 | 32 | / | 25 | 32 | / | 220-250 |
| | A | 380 | 320 | 35 | 35 | / | 100 | 95 | / | |
| | B | 280 | 240 | 35 | 35 | / | 100 | 95 | / | |
| JPYZ500 | | | | 18 | 25 | 32 | 18 | 25 | 32 | 280-315 |
| | A | 500 | 420 | 50 | 55 | 60 | 105 | 100 | 95 | |
| | B | 380 | | 45 | 50 | 55 | 105 | 100 | 95 | |
| JPYZ800 | | | | 32 | 40 | 50 | 32 | 40 | 50 | 500-630 |
| | A | 560 | 470 | 65 | 70 | 75 | 105 | 100 | 95 | |

**单缸液压圆锥式破碎机生产能力参考（中碎型）**
**Production Capacity Reference for Single Cylinder Hydraulic Cone Crusher (Medium Crushing Type)**

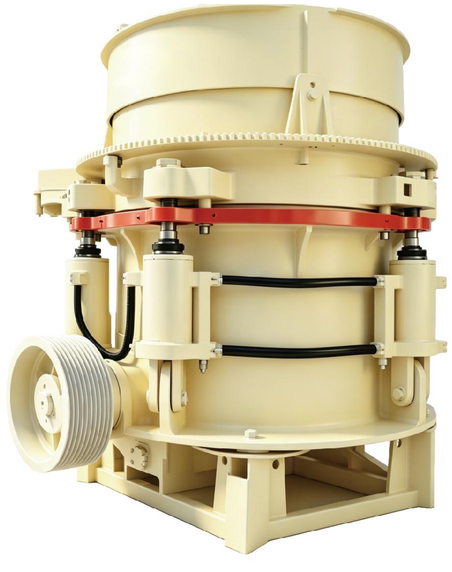
| 机型 Model | 冲程 Stroke | 紧边排料口 Closed side discharge outlet（mm） | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| JPYZ300 | 25 | 250-300 | 290-330 | 320-350 | 350-380 | 380-410 | 410-440 | 440-470 | 470-500 | 500-530 |
| | 32 | 340-390 | 370-420 | 390-440 | 420-470 | 450-500 | 480-510 | 510-540 | 540-570 | 570-600 |
| JPYZ500 | 18 | | | 300-350 | 330-380 | 370-420 | 400-450 | 430-480 | 460-510 | 500-550 |
| | 25 | | | | 500-550 | 550-600 | 600-650 | 650-700 | 700-750 | 750-800 |
| | 32 | | | | 650-700 | 700-750 | 750-800 | 800-850 | 850-900 | 900-950 |
| JPYZ800 | 32 | | | | | | 850-1100 | 950-1200 | 1050-1350 | 1150-1450 |
| | 40 | | | | | | 1000-1250 | 1100-1350 | 1200-1400 | 1300-1550 |
| | 50 | | | | | | 1150-1350 | 1250-1500 | 1350-1600 | 1450-1700 |

| 单缸液压圆锥式破碎机生产能力参考（中碎型）<br>Production Capacity Reference for Single Cylinder Hydraulic Cone Crusher (Medium Crushing Type) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 型号<br>Model | 冲程<br>Stroke | 紧边排料口 Closed side discharge outlet（mm） | | | | | | | | |
| | | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 |
| JPY300 | 25 | 530-560 | 560-590 | 590-620 | 620-650 | 650-680 | 680-710 | 710-740 | 740-770 | 770-800 |
| | 32 | 600-630 | 630-660 | 660-690 | 690-720 | 720-750 | 750-780 | 780-810 | 810-840 | 840-870 |
| JPY500 | 18 | 540-590 | 580-630 | 620-670 | 660-710 | 700-750 | 740-790 | 780-830 | 820-870 | 860-910 |
| | 25 | 800-850 | 850-900 | 900-950 | 950-1000 | 1000-1050 | 1050-1100 | 1100-1150 | 1150-1200 | 1200-1250 |
| | 32 | 950-1000 | 1000-1050 | 1050-1100 | 1100-1150 | 1150-1200 | 1200-1250 | 1250-1300 | 1300-1350 | 1350-1400 |
| JPY800 | 32 | 1250-1500 | 1350-1600 | 1450-1650 | 1550-1750 | 1650-1850 | 1700-1900 | 1800-2000 | 1850-2100 | 1900-2200 |
| | 40 | 1400-1650 | 1500-1700 | 1600-1800 | 1700-1950 | 1800-2050 | 1850-2100 | 1900-2150 | 2000-2350 | 2050-2350 |
| | 50 | 1550-1800 | 1650-1900 | 1750-2000 | 1850-2100 | 1950-2200 | 2000-2250 | 2100-2350 | 2150-2450 | 2200-2500 |

| 外形尺寸 | Size | | |
|---|---|---|---|
| 型号 Model | A (mm) | B (mm) | C (mm) |
| JPY100 | 2140 | 1620 | 1950 |
| JPY200 | 2870 | 2090 | 2260 |
| JPY300 | 3190 | 2350 | 2530 |
| JPY500 | 3490 | 2780 | 3100 |
| JPY700 | 4122 | 3295 | 3650 |
| JPY800 | 4563 | 3535 | 3900 |
| JPYZ300 | 3180 | 2350 | 2530 |
| JPYZ500 | 3980 | 2780 | 3100 |
| JPYZ800 | 5200 | 3535 | 3900 |




## 多缸圆锥破碎机
Multi Cylinder Hydraulic Cone Crusher



### 应用范围
APPLICATIONS

多缸圆锥破碎机广泛应用于冶金、建筑、水泥、砂石等行业，是各类矿石与岩石中细碎作业的理想设备。可高效处理铁矿、铜矿等金属矿石，以及花岗岩、灰岩、石英岩、砂岩、鹅卵石等岩石，为各行业生产加工提供可靠保障。

The multi cylinder hydraulic cone crusher is widely used in industries such as metallurgy, construction, cement, and aggregates. It is an ideal equipment for secondary and fine crushing of various ores and rocks. It can efficiently process metallic ores such as iron ore and copper ore, as well as rocks like granite, limestone, quartzite, sandstone, and cobblestone, providing reliable support for production and processing across various industries.





### 优势特点
ADVANTAGES & FEATURES

·高产量、高品质:相比弹簧圆锥，加大动锥直径、偏心距及给料口尺寸，配合层压破碎工艺，成品粒型更优，细料占比高。
·高摆频、长寿命:固定主轴与抗旋摆机构设计，改善主轴受力，增强动锥稳定性，延长零部件寿命；周边多组过铁保护油缸，提升局部过铁能力，分散机架受力。
·创新液压润滑系统：过载保护系统采用自主设计，新增溢流阀控制，增大过载释放行程，有效降低过载载荷，保护设备安全。
高强度机架
·机架设计较同类国外产品更为坚固：上部增设加强法兰与筋板，下部壁厚增加50%，可承载功率提升20%，动锥转速提高15%。
·高端合金材料：主轴与传动轴采用高强度合金钢，配合先进热处理工艺，确保设备长期稳定运行。
·灵活环保设计：可根据客户需求，选配有填料或无填料动锥/定锥衬板，满足不同工况与环保要求。

·High Output & Superior Quality: Compared to spring cone crushers, the mantle diameter, eccentric throw, and feed opening size are increased. Combined with the laminated crushing process, it delivers a superior product shape with a high proportion of fines.
·High Oscillation Frequency & Long Service Life: The fixed main shaft and anti-spin mechanism design improve the main shaft's load distribution, enhance mantle stability, and extend component life. Multiple tramp iron protection cylinders around the periphery enhance local tramp iron passing capacity and distribute stress on the frame.
·Innovative Hydraulic Lubrication System: The overload protection system features an independently designed relief valve control, which increases the overload release stroke, effectively reducing overload loads and protecting equipment safety.
·More Robust Frame Design Than Comparable Foreign Products: Reinforcing flanges and ribs are added to the upper section, while the wall thickness of the lower section is increased by 50%. This allows for a 20% increase in power capacity and a 15% increase in mantle speed.
·High-End Alloy Materials: The main shaft and drive shaft are manufactured from high-strength alloy steel, combined with advanced heat treatment processes to ensure long-term stable operation.
·Flexible & Environmentally Friendly Design: According to customer requirements, filled or unfilled mantle/concave liners can be selected to meet different working conditions and environmental requirements.

### 技术参数
TECHNICAL PARAMETERS

| 多缸圆锥破碎机 | Multi Cylinder Hydraulic Cone Crusher | | | | | |
|---|---|---|---|---|---|---|
| 型号<br>Model | 设备重量<br>(kg)<br>Equipment Weight | 电机功率<br>(kw)<br>Motor Power | 传动轴转速<br>(rpm)<br>Drive Shaft Speed | 动锥重量<br>(kg)<br>Mantle Weight | 定锥重量<br>(kg)<br>Concave Weight | 调整环重量<br>(kg)<br>Adjusting Ring Weight |
| MC200 | 15000 | 132 | 800-1250 | 1167 | 1866 | 1891 |
| MC300 | 23500 | 250 | 750-1250 | 2051 | 3070 | 2737 |
| MC400 | 33000 | 315 | 750-1100 | 3126 | 4385 | 3798 |
| MC500 | 45500 | 400 | 750-1000 | 5020 | 7073 | 4898 |
| MC600 | 47000 | 500 | 750-1100 | 4611 | 6647 | 5036 |
| MC800 | 81100 | 630 | 750-1000 | 9050 | 13223 | 9762 |
| MC1000 | 84000 | 700 | 750-1000 | 10567 | 13223 | 15270 |
| MCX800 | 125000 | 630 | 750-900 | 15960 | 23305 | 18166 |
| MCX1000 | 163000 | 750 | 750-900 | 18638 | 29295 | 31655 |
| MCX1300 | 170000 | 900 | 750-900 | 18592 | 29299 | 31655 |

# 弹簧圆锥式破碎机
Spring Cone Crusher



## 应用范围
APPLICATIONS

弹簧圆锥破碎机主要用于中碎和细碎中等以上硬度的物料，例如玄武岩、花岗岩、河卵石、铁矿石等，广泛应用于冶金、建材、矿山等行业。

The spring cone crusher is mainly used for the secondary and fine crushing of materials with medium hardness and above, such as basalt, granite, river pebble, iron ore, etc. It is widely applied in industries including metallurgy, building materials, and mining.

## 工作原理
WORKING PRINCIPLE

电动机通过弹性联轴器、传动轴和一对锥齿轮带动偏心套运转，迫使偏心套内的主轴带动破碎壁做旋摆运动，使破碎壁时而靠近轧臼壁，时而远离轧臼壁，物料在破碎腔内不断地受到挤压、弯曲和冲击而被破碎，破碎后的物料在自重作用下从底部排料口排出。

The motor drives the eccentric sleeve through a flexible coupling, a drive shaft, and a pair of bevel gears, causing the main shaft inside the eccentric sleeve to drive the mantle in a gyratory motion. This makes the mantle alternately approach and move away from the concave. The material in the crushing chamber is continuously crushed by compression, bending, and impact, and the crushed product is discharged from the bottom discharge opening by gravity.

## 技术参数
TECHNICAL PARAMETERS

| 弹簧圆锥式破碎机 | Spring Cone Crusher | | | | | |
|---|---|---|---|---|---|---|
| 型号 Model | 最大给料粒度 (mm) Max. Particle Size | 排矿口调节范围 (mm) Discharge Opening Adjustment Range | 处理能力 (t/h) Capacity | 电机功率 (kw) Motor Power | 设备重量 (t) Equipment Weight | 外形尺寸 L×W×H (mm) Overall Dimensions |
| PYB600 | 65 | 12-25 | 20-40 | 30 | 5 | 2234x1370x1675 |
| PYD600 | 35 | 3-13 | 12-23 | 30 | 5.5 | 2234x1370x1675 |
| PYB900 | 115 | 5-50 | 50-90 | 55 | 11.2 | 2692x1640x2350 |
| PYZ900 | 60 | 5-20 | 20-65 | 55 | 11.2 | 2692x1640x2350 |
| PYD900 | 45 | 3-13 | 15-50 | 55 | 11.3 | 2692x1640x2350 |
| PYB1200 | 145 | 20-50 | 110-168 | 110 | 24.7 | 2790x1878x2844 |
| PYZ1200 | 100 | 8-25 | 42-135 | 110 | 25 | 2790x1878x2844 |
| PYD1200 | 50 | 3-15 | 18-105 | 110 | 25.6 | 2790x1878x2844 |
| PYB1750 | 215 | 25-60 | 280-480 | 160 | 50.3 | 3910x2894x3809 |
| PYZ1750 | 185 | 10-30 | 115-320 | 160 | 50.3 | 3910x2894x3809 |
| PYD1750 | 85 | 5-15 | 75-230 | 160 | 50.4 | 3910x2894x3809 |
| PYB2200 | 300 | 30-60 | 490-800 | 260/280 | 80 | 4622x3302x4470 |
| PYZ220 | 230 | 10-30 | 200-580 | 260/280 | 80 | 4622x3302x4470 |
| PYD2200 | 100 | 5-15 | 120-340 | 260/280 | 81.4 | 4622x3302x4470 |





# 筛分设备
# SCREENING EQUIPMENTS

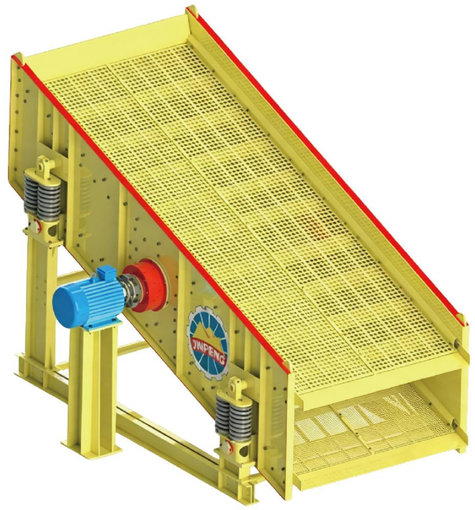


金鹏在引进国际先进技术基础上开发的YKR系列圆振动筛和ZKR系列直线振动筛，显著提升了筛分效率。该产品适用于冶金、金属矿山、石料等多种筛分工况。

Building upon internationally advanced technologies, Jinpeng has developed its YKR Series Circular Vibrating Screens and ZKR Series Linear Vibrating Screens, significantly enhancing screening efficiency. Ideal for a wide range of applications in metallurgy, metal mining, and aggregate processing, these screens represent a reliable choice for high-efficiency screening operations.

# 01

# 圆振动筛
Round Vibrating Screen



## 应用范围
APPLICATIONS

圆振筛主要用于物料粒度分级，还可用于脱水、脱泥、脱介等。在矿山、冶金、筑路、建材、化工等行业，均有所应用。

The Circular Vibrating Screen is primarily used for particle size classification, as well as for dewatering, desliming, and medium removal. It finds application across various industries, including mining, metallurgy, road construction, building materials, and chemical engineering.

## 优势特点
ADVANTAGES & FEATURES

·采用低应力减震弹簧，运行平稳、噪音低；
·配备超重型大油隙轴承，温升低、寿命长；
·筛箱采用环槽铆钉与板块框架结构，整体强度高；
·处理能力大，零部件通用性强，维护简便。

·Smooth & Quiet Operation: Utilizes low-stress damping springs for stable performance and significantly reduced noise levels.
· Enhanced Durability: Equipped with super-heavy-duty bearings featuring large oil gaps, resulting in low temperature rise and extended service life.
· Robust Construction: The screen box employs ring-groove rivets and a panel-frame structure, ensuring high overall strength and rigidity.
· High Efficiency & Easy Maintenance: Offers large processing capacity, excellent parts interchangeability, and simplified maintenance procedures.

## 工作原理
WORKING PRINCIPLE

圆振动筛通过电机驱动激振器产生离心力，带动筛箱形成环形振动。物料在筛面上作连续抛掷运动，细小颗粒在跳跃中透过筛孔，从而实现分级筛分。

The screen is driven by a motor that powers the vibrator to generate centrifugal force, imparting a circular vibrating trajectory to the screen box. This action causes the material to perform a continuous throwing motion across the screen surface. Fine particles pass through the screen meshes during these leaps, achieving effective size-based separation.





## 技术参数
TECHNICAL PARAMETERS

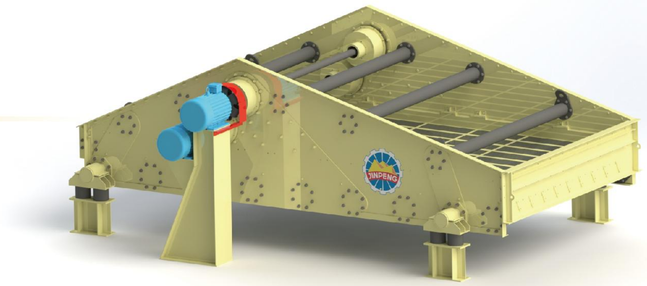
**YK型圆振动筛 | YK Type Round Vibrating Screen**

| 型号 Model | 筛面 Screen Surface | | | 最大给料粒度 (mm) Max.Particle Size | 处理能力 (t/h) Processing Capacity | 电动机Motor | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|
| | 筛孔尺寸 Hole Size(mm) | 面积 Area($m^2$) | 倾角 Dip Angle(°) | | | 型号Model | 功率Power | |
| YK1236 | 6 ~ 50 | 4.3 | 20 | 200 | 80 ~ 240 | Y160L-8 | 7.5 | 4905 |
| 2YK1236 | | | | | | Y180L-8 | 11 | 5483 |
| YK1530 | | 4.5 | 20 | | 80 ~ 240 | Y180L-8 | 11 | 4675 |
| YK1536 | | 5.4 | 20 | | 100 ~ 350 | Y180L-8 | 11 | 5137 |
| 2YK1536 | | 5.4 | 20 | 400 | 100 ~ 350 | Y200L-8 | 15 | 5624 |
| YKH1536 | 30 ~ 150 | 5.4 | 20 | 400 | 160 ~ 650 | Y180L-8 | 11 | 5621 |
| 2YKH1536 | 30 ~ 150;6 ~ 50 | 5.4 | 20 | 400 | 160 ~ 650 | Y200L-8 | 15 | 6138 |
| YK1542 | 6 ~ 50 | 6.5 | 20 | 200 | 110 ~ 385 | Y180L-8 | 11 | 5515 |
| 2YK1542 | 30 ~ 150 | | | | | Y200L-8 | 15 | 6098 |
| YKH1548 | 30 ~ 150 | 7.2 | 20 | 400 | 200 ~ 780 | Y200L-8 | 15 | 6842 |
| 2YKH1548 | 30 ~ 150;6 ~ 50 | | | | | Y200L-8 | 15 | 7400 |
| YKH1836 | 30 ~ 150 | 6.5 | 20 | 400 | 220 ~ 910 | Y200L-8 | 15 | 5900 |
| 2YKH1836 | 30 ~ 150;6 ~ 50 | | | | | Y200L-8 | 15 | 6353 |
| YKH1842 | 30 ~ 150 | 7.6 | 20 | 400 | 450 ~ 800 | Y200L-8 | 15 | 6352 |
| 2YKH1842 | 30 ~ 150;6 ~ 50 | | | | | Y200L-8 | 15 | 7037 |
| YKH1848 | 30 ~ 150 | 8.6 | 20 | 400 | 250 ~ 1000 | Y200L-8 | 15 | 7122 |
| 2YKH1848 | 30 ~ 150;6 ~ 50 | | | | | Y200L-8 | 15 | 7740 |
| YK2148 | 6 ~ 50 | 10 | 20 | 200 | 180 ~ 630 | Y225S-4 | 18.5 | 9033 |
| 2YK2148 | 6 ~ 50 | | | | | Y225M-8 | 22 | 10532 |
| YKH2148 | 13 ~ 200 | 10 | 20 | 400 | 270 ~ 1200 | Y225S-8 | 18.5 | 10430 |
| 2YKH2148 | 30 ~ 150;6 ~ 50 | | | | | Y225M-8 | 22 | 11190 |
| YK2160 | 6 ~ 80 | 12.6 | 20 | 200 | 230 ~ 800 | Y225M-8 | 22 | 9926 |
| 2YK2160 | 6 ~ 50 | | | | | Y225M-8 | 22 | 11249 |
| YKH2160 | 30 ~ 150 | 12.6 | 20 | 400 | 350 ~ 1500 | Y225M-8 | 22 | 12490 |
| 2YKH2160 | 30 ~ 150;6 ~ 50 | | | | | Y225M-8 | 22 | 13858 |
| YK2448 | 6 ~ 50 | 11.5 | 20 | 200 | 200 ~ 700 | Y225M-8 | 22 | 9834 |
| YKH2448 | 6 ~ 50 | 11.5 | 20 | 400 | 310 ~ 1300 | Y225M-8 | 22 | 11830 |
| 2YKH2448 | 30 ~ 150;6 ~ 50 | | | | | Y225M-8 | 22 | 13012 |
| YK2460 | 6 ~ 50 | 14.4 | 20 | 200 | 260 ~ 780 | Y250M-8 | 30 | 12240 |
| 2YK2460 | 6 ~ 50 | | | | | | | 13583 |
| YKH2460 | 30 ~ 150 | 14.4 | 20 | 400 | 400 ~ 1700 | Y250M-8 | 30 | 13096 |
| 2YKH2460 | 30 ~ 150;6 ~ 50 | | | | | | | 14455 |
| YKH3060 | 30 ~ 150 | 18 | 20 | 400 | 400 ~ 1700 | Y280S-6 | 45 | 14696 |
| 2YKH3060 | 30 ~ 150;6 ~ 50 | | | | | | | 17025 |
| YKH3073 | 30 ~ 150 | 21.9 | 20 | 400 | 400 ~ 1700 | Y225M-8 | 2X22 | 15774 |
| 2YKH3073 | 30 ~ 150;6 ~ 50 | | | | | Y250M-8 | 2X30 | 22700 |

注：单层YK，双层2YK,单层重型YKH，双层重型2YKH。
Single-deck YK Vibrating Screen；2-deck 2YK Vibrating Screen;
Single-deck YKH Heavy-duty Vibrating Screen； 2-deck 2YKH Heavy-duty Vibrating Screen

# 02

## ZKR型直线振动筛
ZKR Type Linear Vibrating Screen



### 应用范围
APPLICATIONS

可供选煤、选矿、电力、制糖、制盐、化工等工业部门中对中、细粒度物料进行干、湿式筛分和脱水、脱介、脱泥。

Suitable for dry and wet screening, dewatering, desliming, and medium removal of medium and fine-grained materials in industries such as coal preparation, mineral processing, electric power, sugar production, salt production, and chemical engineering.

### 优势特点
ADVANTAGES & FEATURES

该系列直线振动筛分机的处理量大，钢度高，运转平稳,可靠、噪音小，维护、检修方便。

This series of linear vibrating screens offers high processing capacity, robust structural strength, stable and reliable operation, low noise levels, and convenient maintenance and inspection.

### 技术参数
TECHNICAL PARAMETERS

**ZKR型直线振动筛 | ZKR Type Linear Vibrating Screen**

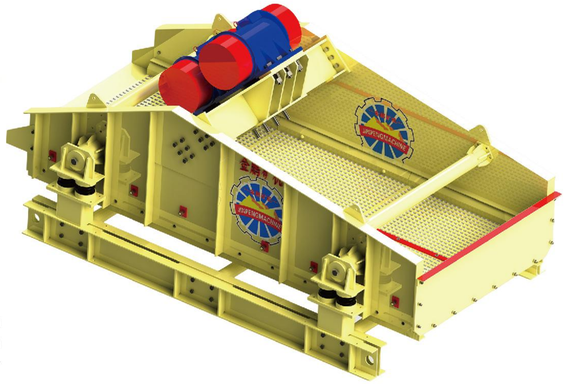
| 型号 Model | 筛面 Screen Surface | | | 最大给料粒度 (mm) Max.Particle Size | 处理能力(t/h) Processing Capacity | 电动机 Motor | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|
| | 筛孔尺寸 Hole Size(mm) | 面积 Area($m^2$) | 倾角 Dip Angle(°) | | | 型号 Model | 功率 Power | |
| ZKR1836 | 6 ~ 50 | 6.5 | 6.0 ~ 9.0 | 200 | 12 ~ 250 | Y160M-6 | 2×7.5 | 5934 |
| 2KR1836 | | | | | | Y160L-6 | 2×11 | 7065 |
| ZKR1845 | 6 ~ 50 | 8.1 | 6.0 ~ 9.0 | 200 | 16 ~ 324 | Y160L-6 | 2×11 | 6250 |
| 2KR1845 | | | | | | Y180L-6 | 2×15 | 8865 |
| ZKR2045 | 6 ~ 50 | 9 | 6.0 ~ 9.0 | 250 | 17 ~ 330 | Y160L-6 | 2×11 | 6800 |
| 2ZKR2045 | | | | | | Y180L-6 | 2×15 | 10000 |
| ZKR2060 | 6 ~ 50 | 12 | 6.0 ~ 9.0 | 250 | 24 ~ 480 | Y180L-6 | 2×15 | 8250 |
| 2ZKR2060 | | | | | | Y200L2-6 | 2×22 | 12158 |
| ZKR2460 | 6 ~ 50 | 14.4 | 6.0 ~ 9.0 | 250 | 28 ~ 520 | Y180L-6 | 2×15 | 10188 |
| 2ZKR2460 | | | | | | Y200L2-6 | 2×22 | 13560 |
| ZKR3060 | 6 ~ 100 | 18 | 6.0 ~ 9.0 | 250 | 32 ~ 790 | Y200L2-6 | 2×22 | 11562 |
| 2ZKR3060 | | | | | | Y225M-6 | 2×30 | 18253 |
| ZRK3075 | 6 ~ 100 | 21.6 | 6.0 ~ 9.0 | 250 | 40 ~ 820 | Y200L2-6 | 2×22 | 12500 |
| 2ZRK3075 | | | | | | Y225M-6 | 2×30 | 20253 |
| ZKR3660 | 6 ~ 100 | 21.6 | 6.0 ~ 9.0 | 250 | 45 ~ 864 | Y200L2-6 | 2×22 | 14390 |
| 2ZKR3660 | | | | | | Y250M-6 | 2×37 | 24200 |
| ZKR3675 | 6 ~ 100 | 27 | 6.0 ~ 9.0 | 250 | 54 ~ 1080 | Y225M-6 | 2×30 | 17500 |
| 2ZKR3675 | | | | | | Y280S-6 | 2×45 | 26200 |





# 03

## ZKD型直线振动筛
ZKD Linear Vibrating Screen



### 应用范围
APPLICATIONS

可供选煤、选矿、发电、制糖、制盐等工业部门，对中、细粒度物料进行干、湿式筛分或脱水、脱介、脱泥。

Suitable for dry and wet screening, as well as dewatering, medium removal, and desliming of medium and fine-grained materials in industries such as coal preparation, mineral processing, power generation, sugar production, and salt production.

### 优势特点
ADVANTAGES & FEATURES

·直线振动筛为先进的振动电机，运行平稳、可靠；
·整体铆接筛箱，强度高，刚度好、无热应力；
·耐磨橡胶减振装置让筛子运行平稳，噪音低。

·Equipped with high-performance vibration motors, ensuring stable and reliable operation.
·Features an integral riveted sieve case structure with high strength, excellent rigidity, and no thermal stress.
·Utilizes wear-resistant rubber vibration damping devices, providing smooth operation with low noise levels.

### 技术参数
TECHNICAL PARAMETERS

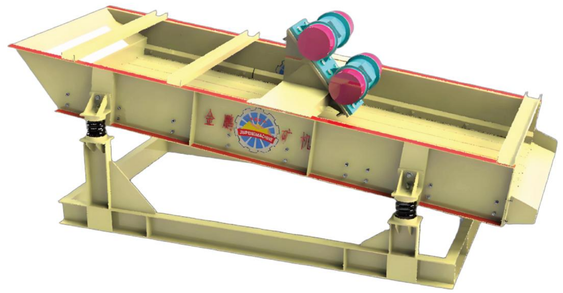
**ZKD型直线振动筛 | ZKD Linear Vibrating Screen**

| 型号 Model | 筛面面积 ($m^2$) Screen Area | 筛网层数 Level | 给料粒度 (mm) Particle Size | 处理能力(t/h) Processing Capacity | 筛孔尺寸 (mm) Hole Size | 双振幅(mm) Double Amplitude | 振次(r/min) Shake Frequency | 单台电机功率X数量(台) Unit Motor Power×Quantity(set) | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|
| ZKD936 | 3 | 1 | ≤100 | 20 ~ 35 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 3.7X2 | 3375 |
| 2ZKD936 | 3 | 2 | ≤100 | 20 ~ 35 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 3.7X2 | 3763 |
| ZKD1228 | 3.5 | 1 | ≤100 | 30 ~ 50 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 3.7X2 | 3250 |
| ZKD1236 | 4 | 1 | ≤100 | 30 ~ 50 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 3.7X2 | 3921 |
| ZKD1536 | 5.4 | 1 | ≤100 | 35 ~ 55 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 5.5X2 | 5058 |
| ZKD1545 | 7 | 1 | ≤100 | 35 ~ 55 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 5.5X2 | 6050 |
| ZKD1548 | 7.5 | 1 | ≤100 | 42 ~ 70 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 5.5X2 | 6450 |
| ZKD1848 | 8.5 | 1 | ≤100 | 60 ~ 100 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 3.7X4 | 7090 |
| ZKD2148 | 10.4 | 1 | ≤100 | 70 ~ 110 | 0.5 ~ 13 | 8.5 ~ 11 | 980 | 3.7X4 | 8150 |

# 04

# DZS型直线振动筛

DZS Linear Vibrating Screen



## 应用范围

APPLICATIONS

直线振动筛适合用于脱水、脱泥、脱液及重介质选矿时脱除重介质。

The Linear Vibrating Screen is ideally suited for dewatering, desliming, deliquefying, and the removal of heavy media in dense medium separation processes.

## 优势特点

ADVANTAGES & FEATURES

·电机功率仅为同类设备的1/4–1/5；
·筛分效率与精度高；
·筛面角度可调，适应性强；
·设备运行负荷小，基础无需特殊处理；
·结构全封闭，自动排料；
·筛体采用轧制钢板焊接结合螺栓连接，整体刚性好，牢固可靠。

· Exceptionally Energy-Efficient: Consumes only 1/4 to 1/5 of the power required by conventional screens.
· Superior Screening Accuracy & Efficiency: Delivers high-precision separation and outstanding throughput.
· Enhanced Adaptability: Features an adjustable screen surface angle to suit various material characteristics and application needs.
· Robust & Low-Impact Operation: Minimal dynamic loads transmitted to the base, eliminating the need for special foundation treatment.
· Enclosed & Automated Design: Fully sealed structure prevents dust emission and enables automatic discharge.
· Durable Construction: The screen body, fabricated from welded steel plates with bolted connections, ensures excellent rigidity, strength, and long-term reliability.

## 工作原理

WORKING PRINCIPLE

直线振动筛采用双振动电机同步反向旋转产生激振力，驱使物料沿筛面呈直线跳跃前进，实现高效筛选与分级。设备主要由筛箱、筛网、振动电机及减震装置等构成，筛箱采用钢板焊接，结构牢固；筛网可选多种材质，适应不同需求。

The screen utilizes dual vibration motors operating in synchronized counter-rotation to generate a powerful linear excitation force. This force propels materials in a straight-line jumping motion across the screen surface, enabling efficient sizing and classification. Key components include the screen box, screen mesh(s), vibration motors, and damping springs. The robust screen box is constructed from welded steel plates, while the screen meshes are available in various materials to meet specific application requirements.



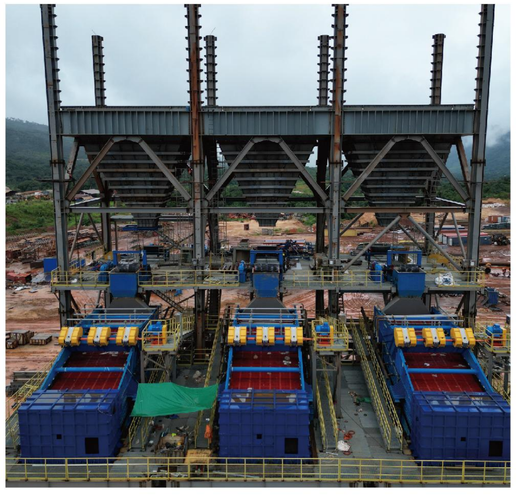


## 技术参数

TECHNICAL PARAMETERS

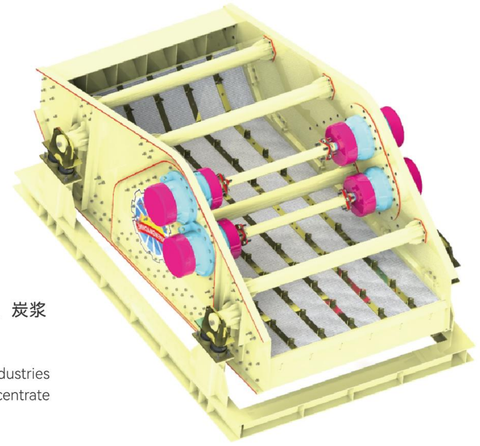
| DZS型直线振动筛 | DZS Linear Vibrating Screen | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 型号 Model | 筛面面积 ($m^2$) Screen Area | 处理量 ($m^3/h$) Processing Capacity | 筛箱倾角 (°) Dip Angle | 振幅 (mm) Amplitude | 电机型号 Motor Model | 电机功率 (kw) Motor Power | 激振力 (kn) Vibrating Force | 重量 (kg) Weight |
| DZS0412 | 0.48 | > 2 | 7 | 3 ~ 5 | HB8-6 | 0.55 | 8 | 700 |
| DZS0612 | 0.72 | > 3 | 7 | 3 ~ 5 | HB10-6 | 0.75 | 10 | 865 |
| DZS0618 | 1.08 | > 3 | 7 | 3 ~ 5 | HB10-6 | 0.75 | 10 | 927 |
| DZS0718 | 1.26 | > 3 | 7 | 3 ~ 5 | HB10-6 | 0.75 | 10 | 980 |
| DZS0816 | 1.28 | > 3 | 7 | 4 ~ 6 | HB16-6 | 1.1 | 16 | 1087 |
| DZS0918 | 1.62 | > 3 | 7 | 4 ~ 6 | HB20-6 | 1.5 | 20 | 1136 |
| DZS0922 | 1.98 | > 3 | 7 | 4 ~ 6 | HB20-6 | 1.5 | 20 | 1184 |
| DZS1018 | 1.8 | > 5 | 7 | 4 ~ 6 | HB16-6 | 1.1 | 16X2 | 1215 |
| DZS1020 | 2 | > 5 | 7 | 4 ~ 6 | HB16-6 | 1.1×2 | 16X2 | 1280 |
| DZS1024 | 2.4 | > 5 | 7 | 4 ~ 6 | HB16-6 | 1.1×2 | 16X2 | 1305 |
| DZS1218 | 2.16 | > 12 | 7 | 4 ~ 6 | HB16-6 | 1.1×2 | 16X2 | 1480 |
| DZS1225 | 3 | > 12 | 7 | 4 ~ 6 | HB16-6 | 1.1×2 | 16X2 | 1526 |
| DZS1236 | 4.32 | > 12 | 7 | 4 ~ 6 | HB30-6 | 2.2X2 | 30X2 | 1814 |
| DZS1530 | 4.5 | > 15 | 7 | 4 ~ 6 | HB30-6 | 2.2X2 | 30X2 | 1975 |
| DZS1536 | 5.4 | > 15 | 7 | 4 ~ 6 | HB30-6 | 2.2X2 | 30X2 | 2135 |
| DZS1545 | 6.75 | > 15 | 7 | 4 ~ 6 | HB40-6 | 3X2 | 40X2 | 2325 |
| DZS1830 | 5.4 | > 15 | 7 | 4 ~ 6 | HB40-6 | 3.7X2 | 40X2 | 2432 |
| DZS1836 | 6.48 | > 15 | 7 | 4 ~ 6 | HB40-6 | 3.7X2 | 40x2 | 2624 |
| DZS1842 | 7.56 | > 15 | 7 | 4 ~ 6 | HB50-6 | 3.7x2 | 50x2 | 2974 |
| DZS2142 | 8.82 | > 15 | 7 | 4 ~ 6 | HB50-6 | 3.7x2 | 50x2 | 3591 |





# 05

## 高效脱水筛
High Efficiency Dewatering Screen



### 应用范围
APPLICATIONS

高效高频脱水筛广泛用于尾矿干排、精矿脱水、炼泥浆浓缩、除屑、炭浆分离等过滤脱水设备行业。

High-efficiency high-frequency dewatering screens are widely used in industries involving filtration and dewatering equipment, such as tailings dewatering, concentrate dehydration, slurry thickening, debris removal, and carbon-in-pulp separation.

### 优势特点
ADVANTAGES & FEATURES

·设备整体铆接筛箱，强度高，刚度好、无热应力模块化筛板和密封条安装形式，密封效果好；
·后置低浓度浆体溢流管，加快脱水速度；
·-5°倾角筛面让筛上出料含水量更低；
·高效脱水筛型号齐全、脱水效率高。

· The screen body is constructed with riveted connections, ensuring high strength, excellent rigidity, and absence of thermal stress. Modular screen panels and sealing strips facilitate installation and provide an effective sealing performance.
· A rear-mounted overflow pipe for low-density slurry accelerates dewatering speed.
· A -5° inclined screen surface reduces the moisture content of the discharged oversize material.
· Available in a comprehensive range of efficient models with high dewatering efficiency.

### 工作原理
WORKING PRINCIPLE

金鹏高效脱水筛采用双电机自同步技术与可调振幅振动器，主要由筛箱、激振器、支撑系统及电机组成。两台振动器同步反向运转，产生的离心力在振动方向上叠加，形成单一的直线激振力，驱动筛箱进行往复直线运动。

The screen employs dual-motor self-synchronization technology and adjustable-amplitude vibrators. Its core components include the screen box, vibrator assembly, support system, and motors. The two vibrators operate synchronously in opposite directions, causing their centrifugal forces to superimpose along the vibration direction. This generates a singular, powerful linear vibrating force, driving the screen box in a reciprocating linear motion to achieve efficient dewatering.

### 技术参数
TECHNICAL PARAMETERS

**高效脱水筛 | High Efficiency Dewatering Screen**

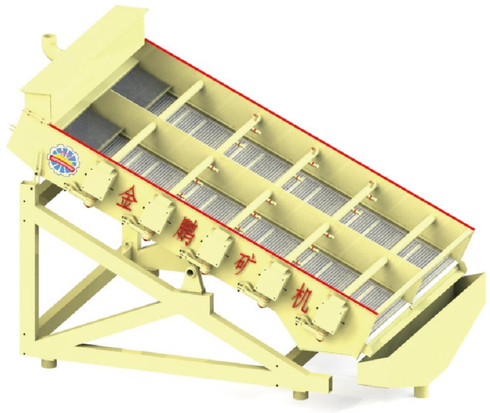
| 型号 Model | 最低30%的固体体积给料浓度 Minimum 30% Solids Volume Feeding Concentration | | | | | | 单台电机功率×数量(台) Unit Motor Power×Quantity | |
|---|---|---|---|---|---|---|---|---|
| | 细煤理论上-0.5+0.1(mm),比重1.5 Theoretic for fine coal, -0.5+0.1(mm),specific gravity1.5 | | 粗砂大约5(mm)100%, -0.6(mm)50%,比重2.7 Coarse sand approximately -5(mm)100%, -0.6(mm)50%,specific gravity2.7 | | 细砂90% -1(mm),比重2.7 Fine Sand,Specific Gravity2.7 | | 980(r/min) | 1460(r/min) |
| | 1460(r/min) | 980(r/min) | 1460(r/min) | 980(r/min) | 1460(r/min) | 980(r/min) | | |
| ZKGT621 | 6 ~ 8 | 10 ~ 13 | 14 | 28 | 10 | 21 | 2.4X2 | —— |
| ZKGT926 | 9 ~ 12 | 15 ~ 20 | 21 | 42 | 16 | 32 | 3X2 | —— |
| ZKGT1236 | 15 ~ 19 | 24 ~ 30 | 33 | 67 | 25 | 50 | 5.5X2 | 3.7X2 |
| ZKGT1536 | 30 ~ 35 | 50 ~ 60 | 63 | 125 | 47 | 94 | 2.4X4 | 2.25X4 |
| ZKGT1836 | 35 ~ 45 | 60 ~ 80 | 77 | 153 | 57 | 115 | 3.7X4 | 3.7X4 |
| ZKGT2148 | —— | 85 ~ 100 | —— | 225 | —— | 164 | 15 | —— |
| ZKGT2448 | —— | 95 ~ 110 | —— | 250 | —— | 190 | 15 | —— |





# 06

## 高频振网筛
High-frequency Vibrating Mesh Screen




### 工作原理
WORKING PRINCIPLE

高频筛采用高频率可以破坏矿浆表面的张力和细粒物料在筛面的高速振荡，加速了密度比较大的有用矿物和析离作用，提高了小于分离粒度物料与筛孔接触的概率，造成了较好的分离条件，从而使小于分离粒度的物料，尤其是大密度的物料和矿浆一起透过筛孔筛出。在各行业内都可以使用，高频筛一般使用在细料和含有一定水分物料的脱水。

High-frequency screens utilize high-frequency vibrations to disrupt the surface tension of the slurry and create rapid oscillations of fine-grained materials on the screen surface. This accelerates the liberation effect of useful minerals with higher density, increases the probability of contact between materials finer than the separation size and the screen apertures, and creates favorable separation conditions. As a result, materials finer than the separation size, especially those with higher density, pass through the screen mesh along with the slurry. Suitable for various industries, high-frequency screens are typically employed for dewatering fine materials and moist substances.

### 技术参数
TECHNICAL PARAMETERS

**高频振网筛 | High Frequency Vibrating Fine Screen**

| 型号 Model | 筛面面积 ($m^2$) Screen Area | 处理量 (t/h) Processing Capacity | 入料浓度 (%) Feed Concentration | 振幅 (mm) Amplitude | 振次 (r/min) Vibration Frequency | 生产量 (t/h) Capacity | 外形尺寸(L×W×H) (mm) Overall Dimensions | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|
| GPWS1030 | 3 | 7 ~ 11 | 30 ~ 50 | 2 ~ 3 | 3000 | 1.2 | 3158×1662×2389 | 2000 |
| GPWS1225 | 3 | 8 ~ 12 | 30 ~ 50 | 2 ~ 3 | 3000 | 1 | 2748×1862×2199 | 2100 |
| GPWS1230 | 3.6 | 8 ~ 12 | 30 ~ 50 | 2 ~ 3 | 3000 | 1.2 | 3158×1862×2389 | 2300 |
| GPWS1430 | 4.2 | 11 ~ 15 | 30 ~ 50 | 2 ~ 3 | 3000 | 1.2 | 3158×2062×2389 | 2500 |
| GPWS1530 | 4.5 | 12 ~ 16 | 30 ~ 50 | 2 ~ 3 | 3000 | 1.5 | 3158×2162×2389 | 2650 |
| GPWS2030 | 6 | 16 ~ 21 | 30 ~ 50 | 2 ~ 3 | 3000 | 2.4 | 3158×3156×2389 | 4600 |
| GPWS2430 | 7.2 | 18 ~ 24 | 30 ~ 50 | 2 ~ 3 | 3000 | 2.4 | 3158×3556×2389 | 4900 |
| GPWS2435 | 8.4 | 18 ~ 25 | 30 ~ 50 | 2 ~ 3 | 3000 | 2.8 | 3568×3556×2579 | 5400 |
| GPWS2830 | 8.4 | 22 ~ 30 | 30 ~ 50 | 2 ~ 3 | 3000 | 2.4 | 3158×4000×2389 | 5800 |
| GPWS3030 | 9 | 24 ~ 32 | 30 ~ 50 | 2 ~ 3 | 3000 | 3 | 3158×4200×2389 | 6200 |
| GPWS1250 | 6（两段） | 8 ~ 14 | 30 ~ 50 | 2 ~ 3 | 3000 | 2 | 5929×1862×4910 | 4500 |
| GPWS2460 | 14.4（两段） | 18 ~ 25 | 30 ~ 50 | 2 ~ 3 | 3000 | 4.8 | 6744×3556×5290 | 13000 |

# 运输设备
# CONVEYING EQUIPMENT



金鹏提供全面的运输解决方案，涵盖固定式、移动式、大倾角皮带机及螺旋输送机等机型。设备具有输送高效、部署灵活、运行稳定的特点，可满足从散料到成件物品在不同工况下的输送需求，尤其擅长复杂地形与密闭空间的物料处理，以其可靠性和适应性保障生产流程的连续。

Jinpeng provides comprehensive conveying solutions, including fixed, mobile, steeply inclined belt, and screw conveyors. Engineered for high efficiency, flexible deployment, and stable operation, our equipment handles a wide range of materials—from bulk to unit items—across diverse working conditions. Excelling in complex terrains and confined spaces, our conveyors ensure continuous and smooth production flow through proven reliability and superior adaptability.





# 01

## 皮带运输机
Belt Conveyor



### 应用范围
APPLICATIONS

皮带运输机由于输送量大、结构简单、维护方便、成本低、通用性强等优点而广泛地在冶金、交通、水电等部门中用来输送散状物料或成件物品，根据输送工艺的要求，可以单机输送，也可多台或与其它输送机组成水平或倾斜的输送系统。

Owing to its high capacity, simple structure, easy maintenance, cost-effectiveness, and strong versatility, the belt conveyor is widely used in metallurgy, transportation, hydropower, and other sectors for handling both bulk materials and unit goods. It can operate as a standalone unit or be integrated with multiple conveyors to form complex horizontal or inclined transport systems, meeting diverse logistical requirements.

### 优势特点
ADVANTAGES & FEATURES

·输送平稳，物料与输送带没有相对运动，能够避免对输送物的损坏；
·输送量大、结构简单、维护方便、运行费用低、适用范围广。

· Gentle Material Handling: Ensures smooth and stable material transport without relative movement between the product and belt, effectively preventing damage to fragile items.
· Proven Efficiency & Economy: Delivers large conveying capacity with a straightforward design, facilitating easy maintenance, low operational costs, and broad application adaptability.

### 工作原理
WORKING PRINCIPLE

皮带运输机通过循环运转的输送带，利用摩擦力承载并连续输送。

The conveyor operates on an endlessly rotating belt, which carries and continuously transports materials driven by the frictional force between the belt and the drive pulleys.

### 皮带运输机辅件
BELT CONVEYOR ACCESSORIES

·**清扫器：**清理皮带粘附余料；
·**垂直拉紧装置：**调节皮带张力避免打滑；
·**卸料器：**完成定点卸料作业；
·**皮带防撕裂装置：**监测皮带纵向破损风险；
·**防跑偏装置：**纠正皮带偏移；
·**沿线急停开关：**可紧急停机保障人身安全；
·**皮带秤：**实时计量输送物料重量。

- **Cleaner:** removes residual material adhering to the belt.
- **Vertical Take-up Device:** adjusts belt tension to prevent slippage.
- **Tripper:** carries out fixed-point discharge operations.
- **Belt Rip Detection Device:** monitors the risk of longitudinal belt tearing.
- **Anti-deviation Device:** corrects belt misalignment.
- **Pull-cord Emergency Stop Switch:** enables immediate shutdown to ensure personnel safety.
- **Belt Scale:** weighs the conveyed material in real time.

# 技术参数
TECHNICAL PARAMETERS

## TD75型固定式皮带运输机 | TD75 Type Fixed Belt Conveyor

| 带速（m/s）Belt Speed | 输送量 Q (t/h) Delivery Value | | | | | |
|---|---|---|---|---|---|---|
| | 带宽500(mm) Belt Width | 带宽650(mm) Belt Width | 带宽800(mm) Belt Width | 带宽1000(mm) Belt Width | 带宽1200(mm) Belt Width | 带宽1400(mm) Belt Width |
| 0.8 | 78 | 104 | —— | —— | —— | —— |
| 1 | 97 | 131 | 278 | 435 | 655 | 891 |
| 1.25 | 122 | 206 | 318 | 544 | 819 | 1115 |
| 1.6 | 156 | 264 | 445 | 696 | 1048 | 1427 |
| 2 | 191 | 323 | 551 | 853 | 1284 | 1748 |
| 2.5 | 232 | 391 | 646 | 1033 | 1556 | 2118 |
| 3.15 | —— | —— | 824 | 1233 | 1858 | 2528 |
| 4 | | | —— | —— | 2202 | 2995 |

## DT II型带式输送机 | DT II Belt Conveyor

| 型号 Model | 带宽 (mm) Belt Width | 最大给料粒度 (mm) Max.Particle Size | 带速 (m/s) Belt Speed | 输送能力 ($m^3$/h) Transport Capacity |
|---|---|---|---|---|
| DT II 500 | 500 | 100 | 0.3-1.6 | 25-138 |
| DT II 650 | 650 | 150 | | 48-254 |
| DT II 800 | 800 | 200 | 0.3-2.0 | 75-396 |
| DT II 1000 | 1000 | 300 | | 121-810 |
| DT II 1200 | 1200 | 350 | 0.5-2.5 | 296-1485 |
| DT II 1400 | 1400 | | | 412-2065 |
| DT II 1600 | 1600 | | | 528-2645 |



## PY型移动式皮带运输机 | PY Type Mobile Belt Conveyor

| 型号 Model | 带宽 (mm) Belt Width | 输送长度(m) Transport Capacity | 带速(m/s) Belt Speed | 输送能力($m^3$/h) Transport Capacity | 输送长度 (m) Conveying Length | 最大高度(m) Max.Height | 最小高度 (m) Min.Height | 电动机Motor | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 型号 Model | 功率(kw) Power | |
| PY50 | 500 | 1.2 | 19 | 80 | 10 | 3.73 | 0.5 | Y100L2-4 | 3 | 1372 |
| | | | | | 15 | 5.44 | 1.27 | Y112M-4 | 4 | 1819 |
| | | | | | 20 | 7.09 | 1.27 | Y132S-4 | 5.5 | 2495 |
| PY65 | 650 | 1.2 | 19 | 135 | 10 | 3.73 | 0.5 | Y112M-4 | 4 | 1926 |
| | | | | | 15 | 5.44 | 1.27 | Y132S-4 | 5.5 | 3120 |
| | | | | | 20 | 7.09 | 1.27 | Y132M-4 | 7.5 | 3726 |
| PY80 | 800 | 1.6 | 20 | 262 | 15 | 5.1 | 2.9 | Y132M-4 | 7.5 | 4374 |
| | | | 7 | 296 | 20 | 2.4 | 0 | Y132M-4 | 7.5 | 5022 |





## 大倾角波状挡边带式输送机 | Large Dip Angle Undulating Flange Belt Conveyor

| 型号 Model | 带宽 (mm) Belt Width | 挡边高度 (mm) Flange Height | 输送量($m^3$/h) Conveying Capacity | | | |
|---|---|---|---|---|---|---|
| | | | 输送倾角30° Conveying Inclination 30° | 输送倾角45° Conveying Inclination 45° | 输送倾角60° Conveying Inclination60° | 输送倾角90° Conveying Inclination90° |
| DJ50-8 | 500 | DJ50-8 | DJ50-8 | DJ50-8 | DJ50-8 | DJ50-8 |
| DJ50-12 | | DJ50-12 | DJ50-12 | DJ50-12 | DJ50-12 | DJ50-12 |
| DJ65-12 | 650 | DJ65-12 | DJ65-12 | DJ65-12 | DJ65-12 | DJ65-12 |
| DJ65-16 | | DJ65-16 | DJ65-16 | DJ65-16 | DJ65-16 | DJ65-16 |
| DJ80-12 | 800 | DJ80-12 | DJ80-12 | DJ80-12 | DJ80-12 | DJ80-12 |
| DJ80-16 | | DJ80-16 | DJ80-16 | DJ80-16 | DJ80-16 | DJ80-16 |
| D.180-20 | | D.180-20 | D.180-20 | D.180-20 | D.180-20 | D.180-20 |
| DJ80-24 | | DJ80-24 | DJ80-24 | DJ80-24 | DJ80-24 | DJ80-24 |
| DJ100-12 | 1000 | DJ100-12 | DJ100-12 | DJ100-12 | DJ100-12 | DJ100-12 |
| DJ100-16 | | DJ100-16 | DJ100-16 | DJ100-16 | DJ100-16 | DJ100-16 |
| DJ100-20 | | DJ100-20 | DJ100-20 | DJ100-20 | DJ100-20 | DJ100-20 |
| DJ100-24 | | DJ100-24 | DJ100-24 | DJ100-24 | DJ100-24 | DJ100-24 |
| DJ120-16 | 1200 | DJ120-16 | DJ120-16 | DJ120-16 | DJ120-16 | DJ120-16 |
| DJ120-20 | | DJ120-20 | DJ120-20 | DJ120-20 | DJ120-20 | DJ120-20 |
| DJ120-24 | | DJ120-24 | DJ120-24 | DJ120-24 | DJ120-24 | DJ120-24 |
| DJ120-30 | | DJ120-30 | DJ120-30 | DJ120-30 | DJ120-30 | DJ120-30 |
| DJ140-20 | 1400 | DJ140-20 | DJ140-20 | DJ140-20 | DJ140-20 | DJ140-20 |
| DL140-24 | | DL140-24 | DL140-24 | DL140-24 | DL140-24 | DL140-24 |
| DJ140-30 | | DJ140-30 | DJ140-30 | DJ140-30 | DJ140-30 | DJ140-30 |
| DJ140-40 | | DJ140-40 | DJ140-40 | DJ140-40 | DJ140-40 | DJ140-40 |





# 02

# 螺旋输送机
Screw Conveyor



## 应用范围
APPLICATIONS

螺旋输送机主要用于输送粉状、颗粒状和小块状的物料（如矿粉、煤粉、纯碱等），但不适宜输送易变质、粘性或易结块物料。

The Screw Conveyor is primarily used for handling powdered, granular, and small lump materials (such as ore powder, pulverized coal, soda ash, etc.). It is not recommended for conveying perishable, adhesive, or easily agglomerating materials.

## 优势特点
ADVANTAGES & FEATURES

·结构简单，横截面尺寸小；
·密封性好，工作可靠，便于中间装料和卸料；
·输送方向可逆向，也可同时向相反两个方向输送；
·输送过程中可对物料进行搅拌、混合、加热和冷却等作业；
·通过装卸闸门可调节物料流量；
·单位功率较大，使用中要保持料槽的密封性及螺旋与外壳间有适当的间隙。

· Compact & Simple Design: Straightforward structure with a small cross-sectional area, saving space.
· Effective Sealing & Flexibility: Offers robust sealing performance, high operational reliability, and allows for easy intermediate loading and discharging.
· Bi-Directional Conveying: Capable of reversing transport direction or even conveying to two opposite directions simultaneously.
· Multi-Functional Processing: Enables simultaneous operations like mixing, blending, heating, or cooling of materials during conveyance.
· Adjustable Flow Rate: Material flow can be regulated through the use of discharge gates.
· Important Operational Note: Requires higher specific power input. Maintaining proper sealing of the trough and appropriate clearance between the screw and casing is crucial for efficient operation.

## 工作原理
WORKING PRINCIPLE

皮带运输机通过循环运转的输送带，利用摩擦力承载并连续输送。

The conveyor consists of a drive unit, an enclosed trough, and a helical screw. The rotation of the screw pushes the material forward along the trough. The material does not rotate with the screw due to its own weight and the frictional resistance exerted by the conveyor casing.





## 技术参数
TECHNICAL PARAMETERS

**LS型螺旋输送机 | LS Type Screw Conveyor**

| 型号 Model | | 螺旋直径 (mm) Screw Diameter | 螺距 (mm) Screw Pitch | 转速 (r/min) Speed | 标准体积输送量 Iv(m³/h) | | | 转速 (r/min) Speed | 标准体积输送量 Iv(m³/h) | | | 转速 (r/min) Speed | 标准体积输送量 Iv(m³/h) | | | 转速 (r/min) Speed | 标准体积输送量 Iv(m³/h) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ | ⊄ |
| | | | | | 0.45 | 0.33 | 0.15 | n | 0.45 | 0.33 | 0.15 | n | 0.45 | 0.33 | 0.15 | n | 0.45 | 0.33 | 0.15 |
| 小型 Small Type | LS100 | 100 | 100 | 140 | 3 | 2.2 | 1 | 112 | 2.4 | 1.7 | 0.8 | 90 | 1.9 | 1.4 | 0.6 | 71 | 1.5 | 1.1 | 0.5 |
| | LS125 | 125 | 125 | 125 | 5.2 | 3.8 | 1.7 | 100 | 4.1 | 3 | 1.4 | 80 | 3.3 | 2.4 | 1.1 | 63 | 2.6 | 1.9 | 0.9 |
| | LS160 | 160 | 160 | 112 | 9.7 | 7.1 | 3.2 | 90 | 7.8 | 5.7 | 2.6 | 71 | 6.2 | 4.5 | 2.1 | 56 | 4.9 | 3.6 | 1.6 |
| | LS200 | 200 | 200 | 100 | 16.9 | 12.4 | 5.6 | 80 | 13.5 | 9.9 | 4.5 | 63 | 10.7 | 7.8 | 3.6 | 50 | 8.5 | 6.2 | 2.8 |
| 中型 Middle Type | LS250 | 250 | 250 | 90 | 29.7 | 21.8 | 9.9 | 71 | 23.5 | 17.2 | 7.8 | 56 | 18.5 | 13.6 | 6.2 | 45 | 14.9 | 10.9 | 5 |
| | LS315 | 315 | 315 | 80 | 52.9 | 38.8 | 17.6 | 63 | 41.6 | 30.5 | 13.9 | 50 | 33.1 | 24.2 | 11 | 40 | 26.4 | 19.4 | 8.8 |
| | LS400 | 400 | 355 | 71 | 85.3 | 62.5 | 28.4 | 56 | 67.3 | 49.3 | 22.4 | 45 | 54.1 | 39.6 | 18 | 36 | 43.2 | 31.7 | 14.4 |
| 大型 Large Type | LS500 | 500 | 400 | 63 | 133.2 | 97.7 | 44.4 | 50 | 105.8 | 77.6 | 35.3 | 40 | 84.6 | 62 | 28.2 | 32 | 67.7 | 49.6 | 22.6 |
| | LS630 | 630 | 450 | 50 | 188.9 | 138.5 | 63 | 40 | 151.1 | 110.8 | 50.4 | 32 | 120.9 | 88.6 | 40.3 | 25 | 94.4 | 69.3 | 31.5 |
| | LS800 | 800 | 500 | 40 | 270.7 | 198.5 | 90.2 | 32 | 216.6 | 158.8 | 72.2 | 25 | 169.2 | 124.1 | 56.4 | 20 | 135.4 | 99.3 | 45.1 |
| 特大型 Super-HugeType | LS1000 | 1000 | 560 | 32 | 379 | 277.9 | 126.3 | 25 | 296.1 | 217.1 | 98.7 | 20 | 236.9 | 173.7 | 79 | 16 | 189.5 | 139 | 63.2 |
| | LS1250 | 1250 | 630 | 25 | 520.5 | 381.7 | 173.5 | 20 | 416.4 | 305.4 | 138.8 | 16 | 333.1 | 244.3 | 111 | 13 | 270.7 | 198.5 | 90.2 |

| 物料块度 Size of material | 物料磨琢性 Material Frction | 充填系数 Volumetric Efficiency | K | A |
|---|---|---|---|---|
| 粉状Powder | 无磨琢性<br>半磨琢性<br>Non-Friction<br>Half-Fnction | 0.35-0.40 | 0.0415 | 75 |
| 粉状Powder | 磨琢性<br>Friction | 0.25-0.30 | 0.0565 | 35 |
| 小块状a<60mm Small size | 无磨琢性<br>半磨琢性<br>Non-Friction<br>Half-Fnction | 0.25-0.30 | 0.0537 | 45 |
| 小块状a<60mm Small size | 磨琢性<br>Friction | 0.20-0.25 | 0.0645 | 25 |

**GX型螺旋输送机 | GX Type Screw Conveyor**

| 型号 Model | 螺旋直径 (mm) Screw Diameter | 镁粉输送能力 (t/h) Magnesium Powder Conveying Capacity | 水泥输送能力 (t/h) Cement Transport Capacity | 纯碱输送能力 (t/h) Soda Ash Conveying Capacity | 外形尺寸 (W×H) (mm) Diameter | 进料口最短布置(mm) Min. Feed Inlet Layout | 进料方口尺寸 (mm) Inlet Size | 进料口高度 (mm) Inlet Height | 出料口方口尺寸 (mm) Outlet Size | 出料口高度 (mm) Outlet Height |
|---|---|---|---|---|---|---|---|---|---|---|
| GX15 | 150 | 4.5 | 4.1 | 3 | 272×314 | 190 | 170 | 75 | 176 | 135 |
| GX20 | 200 | 8.5 | 7.9 | 6.7 | 342×384 | 220 | 220 | 100 | 226 | 165 |
| GX25 | 250 | 16.5 | 15.6 | 10.7 | 392×464 | 270 | 270 | 120 | 276 | 195 |
| GX30 | 300 | 23.3 | 21.2 | 18 | 468×555 | 300 | 320 | 140 | 328 | 225 |
| GX40 | 400 | 54 | 51 | 35.5 | 572×685 | 350 | 420 | 160 | 428 | 280 |
| GX50 | 500 | 89 | 85 | 70 | 706×823 | 450 | 528 | 160 | 536 | 340 |
| GX60 | 600 | 139 | 134 | 97 | 806×973 | 550 | 628 | 180 | 636 | 430 |

# 磨矿设备
# GRINDING EQUIPMENT



我公司从2006年建厂伊始，将国内外先进技术消化吸收，并结合我公司优势及特点，从原本Φ0.9-Φ3.6m球磨机系列，逐步发展到Φ4m、Φ4.5m、Φ5m、Φ5.5m系列，半自磨机系列从原有的Φ4m、Φ4.5m发展到Φ5m、Φ5.5m、Φ6.5m、Φ7m系列。
可根据项目需求，对磨机进行全方位优化设计，涵盖给料及出料装置、传动系统、齿轮润滑、安装方式与自动化控制等关键环节。

Since our company's establishment in 2006, we have been digesting and absorbing advanced technologies from both home and abroad, while leveraging our own strengths and characteristics. Starting from the original Φ0.9–Φ3.6 m ball mill series, we have progressively developed into the ϕ4 m, ϕ4.5 m, ϕ5 m, and ϕ5.5 m series. The semi-autogenous mill series has evolved from the initial ϕ4 m and ϕ4.5 m models to the ϕ5 m, ϕ5.5 m, ϕ6.5 m, and ϕ7 m series.
We can provide comprehensively optimized mill designs tailored to project requirements, covering key aspects such as feeding and discharge devices, drive systems, gear lubrication, installation methods, and automation control.







# 金鹏磨机优势特点
# Jinpeng Mill Advantages & Features

## 灵活多样的传动方案
Flexible and Diverse Drive Solutions

常规配置采用异步电机+减速机，大型磨机多选用同步电机+空气离合器，实现柔性启动，有效降低对选厂电网的冲击；亦可选配永磁变频电机，结构紧凑，节能效果显著。

The conventional configuration uses an asynchronous motor paired with a gearbox. For large mills, a synchronous motor combined with an air clutch is often selected to achieve soft starting, effectively reducing the impact on the plant's power grid. A permanent magnet variable frequency motor can also be optionally equipped, featuring a compact structure and outstanding energy-saving performance.

## 有限元分析与高强度结构
FEA-Optimized High-Strength Structure

运用有限元分析对筒体、端盖、中空轴、大齿轮等关键部位进行强度校核，确定最优结构参数，筒体与大齿轮采用高强度螺栓连接，确保整机刚性与长期可靠性。

Finite element analysis (FEA) is applied to perform strength checks on critical components such as the shell, end covers, hollow trunnions, and girth gear, so as to determine the optimal structural parameters. The shell and girth gear are connected with high-strength bolts, ensuring overall rigidity and long-term reliability of the mill.

## 按规格适配的支撑轴承
Support Bearings Matched to Mill Specifications

根据磨机规格选配轴承形式：ϕ≤3.6m采用滚动轴承，ϕ > 3.6m则选用动静压轴承或全静压轴承，满足不同负荷与转速工况需求。

The bearing type is selected according to the mill size: rolling bearings are used for ϕ ≤ 3.6 m, while hybrid bearings or fully hydrostatic bearings are adopted for ϕ > 3.6 m, meeting the demands of varying loads and rotational speeds.

## 仿真优化衬板设计
Simulation-Optimized Liner Design

借助仿真模拟技术优化衬板外形，实现磨矿效率最大化，同时有效延长衬板使用寿命，降低维护成本。

Advanced simulation technology is used to optimize the liner profile, maximizing grinding efficiency while effectively extending liner service life and reducing maintenance costs.

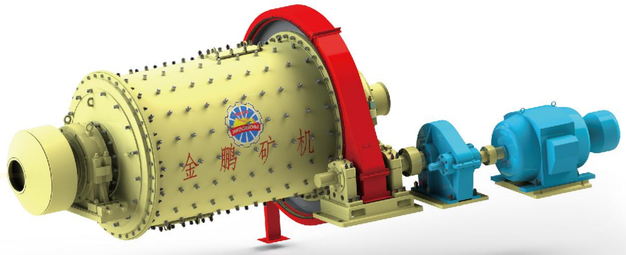
## 智能化辅助系统与集中控制
Intelligent Auxiliary Systems and Centralized Control

可按需配置慢速驱动、顶起装置、喷射润滑、轴承测温、振动检测及齿轮红外测温等系统，所有低压控制与保护功能集成于PLC控制柜，实现集中管理，提升运行安全性与便捷性。

Optional systems such as an inching drive, jacking device, spray lubrication, bearing temperature monitoring, vibration monitoring, and gear infrared temperature measurement can be configured. All low-voltage control and protection functions are integrated into a PLC control cabinet, enabling centralized management and enhancing operational safety and convenience.

# 01

# 湿式格子型球磨机
Wet Grid Ball Mill




## 应用范围
APPLICATIONS

适用于研磨粒度较粗的矿石，磨矿产品粒度在0.2-0.3mm之间，依靠排矿格子板强制排矿，一般用在一段磨矿。格子型球磨机磨矿效率高，能够有效避免过磨现象的产生。

It is suitable for grinding relatively coarse ores, with the ground product particle size ranging from 0.2 to 0.3 mm. It relies on forced discharge via the grate plate and is generally used in the primary grinding stage. The grate-type ball mill offers high grinding efficiency and can effectively prevent over-grinding.

## 工作原理
WORKING PRINCIPLE

电机通过齿轮副的传动与减速，驱动磨机筒体以适当的转速旋转放置筒体内的磨矿介质在离心力、磨擦力与重力的作用下，被提升到一定的高度后，呈抛起或跌落状态下落，筒体内物料受介质冲击作用而被击碎，同时，由于介质的滚动或滑动，使物料受磨剥作用而被磨碎。磨碎后的物料经出料口排出。

The motor drives the mill shell to rotate at the appropriate speed through the transmission and reduction of a gear pair. The grinding media inside the shell, under the action of centrifugal force, friction and gravity, are lifted to a certain height and then fall in a cascading or dropping motion. The material inside the shell is crushed by the impact of the media; meanwhile, it is ground by attrition due to the rolling or sliding of the media. The ground material is discharged through the discharge opening.



印尼3600t/d金矿
MQY4870球磨机及MZS5035半自磨机
3600t/d Gold Processing Plant in Indonesia
MQY4870 and MZS5035 SAG Mill



土耳其4000t/d铜渣线
5.03×8.3球磨机及6060半自磨机
4,000t/d Copper Slag Plant in Turkey
5.03*8.3 Ball Mill and 6060 SAG Mill



湖南12000t/d铅锌矿
ZTMG3645球磨机
12000t/d Lead-Zinc Processing Plant
in Hunan Province
ZTMG3645 Ball Mill

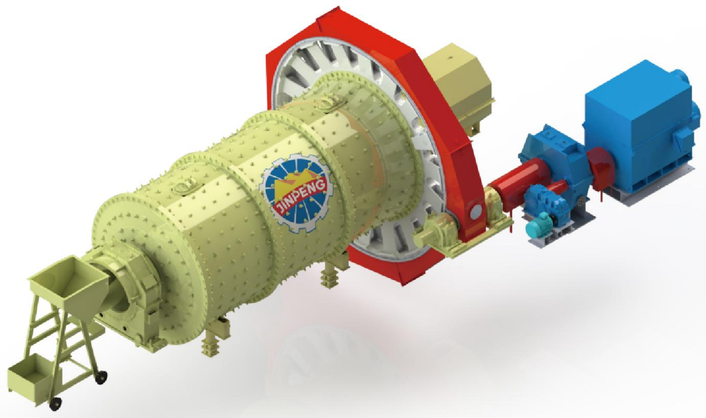




## 技术参数
TECHNICAL PARAMETERS

| 格子型球磨机 \| Grate-type Ball Mill | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体长度 (mm) Shell Length | 筒体转速 (rpm) Mill Rotational Speed | 电机型号 Motor Model | 电机功率 (kw) Motor Power | 处理能力 (t/h) Processing Capacity | 有效容积 ($m^3$) Effective Volume | 最大装球量 (t) Max. Ball Charge | 重量 (t) Weight |
| MQ-09×09 | φ900 | 900 | 37.1 | Y160L-8 | 7.5 | 0.22-1.07 | 0.45 | 0.9 | 4.7 |
| MQ-09×12 | φ900 | 1200 | 37.1 | Y180L-8 | 11 | 0.29-1.43 | 0.6 | 1.2 | 5.1 |
| MQ-09×18 | φ900 | 1800 | 37.1 | Y225S-8 | 18.5 | 0.24-2.14 | 0.9 | 1.5 | 6.1 |
| MQ-09×21 | φ900 | 2100 | 37.1 | Y225S-8 | 18.5 | 0.2-2.9 | 1.05 | 1.8 | 7.3 |
| MQ-09×30 | φ900 | 3000 | 37.1 | Y225M-8 | 22 | 0.37-3.6 | 1.5 | 2.5 | 11.5 |
| MQ-12×12 | φ1200 | 1200 | 33.4 | Y225M-8 | 22 | 0.2-2.9 | 1.1 | 1.8 | 8.2 |
| MQ-12×16 | φ1200 | 1600 | 334 | Y250M-8 | 30 | 0.3-4.0 | 1.5 | 2.5 | 9.4 |
| MQ-12×24 | φ1200 | 2400 | 33.8 | Y280M-8 | 45 | 0.26-6.15 | 2.4 | 3.96 | 11.7 |
| MQ-12×28 | φ1200 | 2800 | 33.8 | YR280S-8 | 55 | 0.30-6.5 | 2.8 | 4.24 | 12.9 |
| MQ-12×35 | φ1200 | 3500 | 33.8 | YR280S-8 | 55 | 0.32-7.5 | 3.5 | 6 | 13.6 |
| MQ-15×15 | φ1500 | 1500 | 30.9 | YR280S-8 | 55 | 1.4-4.5 | 2.36 | 3.6 | 15.1 |
| MQ-15×20 | φ1500 | 200 | 30.9 | YR280S-8 | 55 | 2.0-7.56 | 3.26 | 5.2 | 16.2 |
| MQ-15×30 | φ1500 | 3000 | 30.9 | JR117-8 | 80 | 2.8-9 | 5.08 | 8.6 | 19.1 |
| MQ-15×35 | φ1500 | 3500 | 30.9 | JR117-8 | 80 | 3.4-10.8 | 5.3 | 8.8 | 19.5 |
| MQ-15×45 | φ1500 | 4500 | 30.9 | JR127-8 | 130 | 3.5-12.5 | 6.75 | 12 | 22.5 |
| MQ-15×57 | φ1500 | 5700 | 30.9 | JR127-8 | 130 | 6.4-34.6 | 8.8 | 14.5 | 26.6 |
| MQ-18.3×30 | φ1830 | 3000 | 25.2 | JR127-8 | 130 | 4.0-20 | 6.3 | 11.8 | 30.3 |
| MQ-18.3×40 | φ1830 | 4000 | 25.2 | JR136-8 | 180 | 6.0-29 | 8.4 | 15.7 | 35.2 |
| MQ-18.3×50 | φ1830 | 5000 | 25.2 | JR137-8 | 210 | 8.0-37 | 10.5 | 18.6 | 36.5 |
| MQ-18.3×60 | φ1830 | 6000 | 25.8 | JR138-8 | 245 | 9.0-44 | 12.6 | 22.5 | 43.2 |
| MQ-18.3×65 | φ1830 | 6500 | 25.8 | JR138-8 | 245 | 10-55 | 13.6 | 24.5 | 46.8 |
| MQ-18.3×70 | φ1830 | 7000 | 25.8 | JR138-8A | 280 | 11-65 | 14.7 | 26.4 | 50.4 |
| MQ-21×22 | φ2100 | 2200 | 24.05 | JR128-8 | 155 | 5.0-29 | 6.6 | 14 | 39.3 |
| MQ-21×24 | φ2100 | 2400 | 24.05 | JR128-8 | 155 | 5.5-31.6 | 7.3 | 12 | 44.7 |
| MQ-21×30 | φ2100 | 3000 | 24.05 | JR136-8 | 180 | 6.5-36 | 9.2 | 16 | 49.1 |
| MQ-21×36 | φ2100 | 3600 | 24.05 | JR137-8 | 210 | 7.8-43.2 | 11 | 18.1 | 55.1 |
| MQ-21×40 | φ2100 | 4000 | 24.05 | JR138-8 | 245 | 8.0-50 | 12 | 20 | 60 |
| MQ-21×45 | φ2100 | 4500 | 24.05 | JR138-8 | 245 | 8.5-55.1 | 13 | 22.8 | 64.2 |
| MQ-21×50 | φ2100 | 5000 | 24.05 | JR138-8A | 280 | 9.0-60 | 15 | 24 | 65.2 |
| MQ-24×30 | φ2400 | 3000 | 22.5 | JR138-8A | 280 | 7.2-82 | 11.8 | 22 | 64 |
| MQ-24×36 | φ2400 | 3600 | 22.5 | JR138-8B | 320 | 10-90 | 14 | 26 | 66.5 |
| MQ-24×42 | φ2400 | 4200 | 22.5 | JR500L3-8 | 380 | 11-95 | 16.2 | 31 | 69 |
| MQ-24×45 | φ2400 | 4500 | 22.5 | JR500L3-8 | 380 | 11-102 | 17.3 | 33 | 71 |
| MQ-24×50 | φ2400 | 5000 | 22.5 | JR500L3-8 | 400 | 11-125 | 20 | 35 | 75 |
| MQ-24×70 | φ2400 | 7000 | 22.5 | JR1512-8 | 570 | 11-160 | 28.5 | 42 | 89 |
| MQ-27×21 | φ2700 | 2100 | 21.6 | JR126-8 | 210 | 6.5-80 | 10.7 | 17.6 | 78.9 |
| MQ-27×24 | φ2700 | 2400 | 21.6 | JR138-8 | 245 | 7-82 | 12.3 | 20.2 | 82.9 |

| 格子型球磨机 \| Grate-type Ball Mill | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体长度 (mm) Shell Length | 筒体转速 (rpm) Mill Rotational Speed | 电机型号 Motor Model | 电机功率 (kw) Motor Power | 处理能力 (t/h) Processing Capacity | 有效容积 ($m^3$) Effective Volume | 最大装球量 (t) Max. Ball Charge | 重量 (t) Weight |
| MQ-27×27 | φ2700 | 2700 | 21.6 | JR138-8A | 280 | 7.5-85 | 13.8 | 22.7 | 86 |
| MQ-27×30 | φ2700 | 3000 | 21.6 | JR500L3-8 | 380 | 8.5-90 | 15.3 | 30 | 88 |
| MQ-27×33 | φ2700 | 3300 | 21.6 | JR500L3-8 | 380 | 9-95 | 16.9 | 27.8 | 91.5 |
| MQ-27×36 | φ2700 | 3600 | 21.6 | JR500L3-8 | 380 | 10-110 | 18.4 | 36 | 96.9 |
| MQ-27×40 | φ2700 | 4000 | 21.6 | TDMK475-32/2150 | 475 | 11-120 | 21.1 | 38 | 99.1 |
| MQ-27×42 | φ2700 | 4200 | 21.6 | JR1510-8 | 475 | 12-130 | 22.1 | 40 | 102 |
| MQ-27×45 | φ2700 | 4500 | 21.6 | TDMK500-32/2150 | 500 | 12-135 | 23 | 42 | 109 |
| MQ-27×50 | φ2700 | 5000 | 21.6 | TDMK500-32/2150 | 500 | 12-135 | 23 | 46 | 113 |
| MQ-27×60 | φ2700 | 6000 | 21.6 | TDMK630-32/2150 | 630 | 12-140 | 30 | 55 | 117 |
| MQ-27×80 | φ2700 | 8000 | 21.6 | TDMK800-32/2150 | 800 | 12-140 | 38 | 76 | 182 |
| MQ-32×36 | φ3200 | 3600 | 18.5 | TDMK630-36/2600 | 630 | 74-86 | 25.6 | 46 | 144.2 |
| MQ-32×40 | φ3200 | 4000 | 18.5 | TDMK630-36/2600 | 630 | 75-90 | 28.5 | 57 | 153 |
| MQ-32×45 | φ3200 | 4500 | 18.5 | TDMK800-36/2600 | 800 | 95-110 | 33 | 66 | 163 |
| MQ-32×50 | φ3200 | 5000 | 18.5 | TDMK800-36/2600 | 800 | 95-120 | 37 | 75 | 185 |
| MQ-32×54 | φ3200 | 5400 | 18.5 | TDMK1000-36/2600 | 1000 | 95-130 | 40 | 80 | 195 |
| MQ-32×60 | φ3200 | 6000 | 18.5 | TDMK1250-36/2600 | 1250 | 95-140 | 44.7 | 92 | 205 |
| MQ-36×45 | φ3600 | 4500 | 17.25 | TDMK1250-40 | 1250 | 110-170 | 43 | 89 | 200 |
| MQ-36×50 | φ3600 | 5000 | 17.25 | TM1400-40/3250 | 1400 | 115-185 | 48 | 99 | 210 |
| MQ-36×55 | φ3600 | 5500 | 17.25 | TDMK1400-40 | 1400 | 120-200 | 53 | 105 | 220 |
| MQ-36×60 | φ3600 | 6000 | 17.25 | TDMK1600-40 | 1600 | 130-230 | 57.7 | 115 | 230 |
| MQ-40×□ | φ4000 | 4500-7200 | 15.6-17.3 | | 1400-2200 | | 52-83 | 103-165 | |
| MQ-43×□ | φ4300 | 4700-7500 | 15.0-16.7 | | 1600-2500 | | 63-100 | 125-200 | |
| MQ-45×□ | φ4500 | 5000-7700 | 14.7-16.3 | | 2000-3100 | | 73-113 | 147-226 | |
| MQ-48×□ | φ4800 | 5300-7900 | 14.2-15.8 | | 2200-3300 | | 89-132 | 178-265 | |
| MQ-50×□ | φ5000 | 5500-8100 | 13.9-15.5 | | 2600-3800 | | 100-147 | 199-293 | |
| MQ-52×□ | φ5200 | 5700-8300 | 13.6-15.2 | | 3000-4300 | | 112-163 | 224-326 | |
| MQ-55×□ | φ5500 | 6000-8500 | 12.9-14.0 | | 3700-5200 | | 132-187 | 265-375 | |



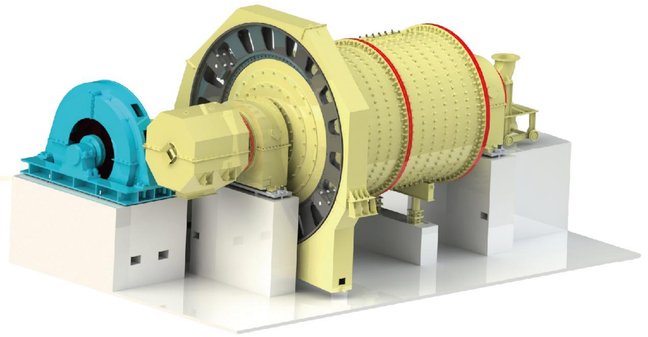





# 02

# 湿式溢流型球磨机

Wet Overflow Ball Mill



## 应用范围

APPLICATIONS

湿式溢流型球磨机是选矿厂核心磨矿设备，用于金、银、铜、铁等黑色与有色金属矿石的细磨作业，也适配萤石、石英、长石等非金属矿物的选别提纯，常作为二段磨矿设备使用，产出细度均匀的矿浆，为后续工序提供合格原料。

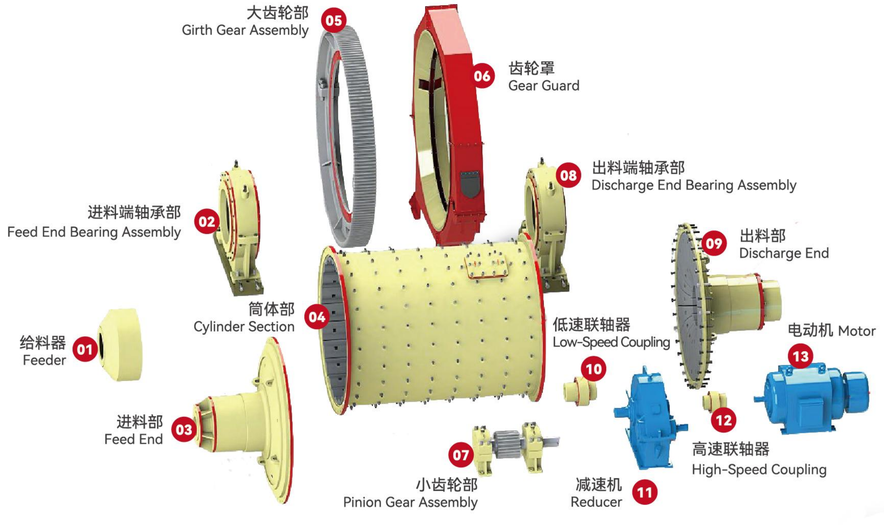
The wet overflow ball mill is a core grinding equipment in mineral processing plants. It is used for fine grinding of ferrous and non-ferrous metal ores such as gold, silver, copper, and iron, and is also suitable for the beneficiation and purification of non-metallic minerals like fluorite, quartz, and feldspar. Commonly employed as a secondary grinding mill, it produces slurry with uniform fineness, providing qualified feed for downstream processes.

## 工作原理

WORKING PRINCIPLE

湿式溢流型球磨机主要部件是一个直径较小而长度较大的筒体，通过传动机械使其缓慢转动，物料从筒体给料端给入，在筒体内由于钢球及矿石本身的抛落冲击和自磨，物料得以粉碎。由于不断给入物料，其压力促使筒内物料由给料端向排料端移动，矿浆高出排矿端中空轴的下边缘而自流溢出。中空轴带有反螺旋叶片，可将溢流的钢球及粗矿块返回磨机内。

The main component of the wet overflow ball mill is a shell that is relatively small in diameter but long in length, rotated slowly by the drive mechanism. Material is fed from the feed end of the shell and is comminuted inside through the cascading impact of steel balls and the ore itself, along with autogenous grinding. As material is continuously fed, the resulting pressure forces the material within the shell to move from the feed end toward the discharge end. The slurry rises above the lower edge of the hollow trunnion at the discharge end and overflows by gravity. The hollow trunnion is fitted with reverse spiral blades, which return any overflowing steel balls and coarse ore lumps back into the mill.



## 技术参数
TECHNICAL PARAMETERS

| 溢流型球磨机 | Overflow Ball Mill | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体长度 (mm) Shell Length | 筒体转速 (rpm) Mill Rotational Speed | 电机型号 Motor Model | 电机功率 (kw) Motor Power | 处理能力 (t/h) Processing Capacity | 有效容积 ($m^3$) Effective Volume | 最大装球量 (t) Max. Ball Charge | 重量 (t) Weight |
| MQY-09×09 | φ900 | 900 | 37.1 | Y160L-8 | 7.5 | 0.22-1.07 | 0.45 | 0.9 | 4.7 |
| MQY-09×12 | φ900 | 1200 | 37.1 | Y180L-8 | 11 | 0.29-1.43 | 0.6 | 1.2 | 5.1 |
| MQY-09×18 | φ900 | 1800 | 37.1 | Y225S-8 | 18.5 | 0.24-2.14 | 0.9 | 1.5 | 6.1 |
| MQY-09×21 | φ900 | 2100 | 37.1 | Y225S-8 | 18.5 | 0.2-2.9 | 1.05 | 1.8 | 7.3 |
| MQY-09×30 | φ900 | 3000 | 37.1 | Y225M-8 | 22 | 0.37-3.6 | 1.5 | 2.5 | 11.5 |
| MQY-12×12 | φ1200 | 1200 | 33.4 | Y225M-8 | 22 | 0.2-2.9 | 1.1 | 1.8 | 8.2 |
| MQY-12×16 | φ1200 | 1600 | 33.4 | Y250M-8 | 30 | 0.3-4.0 | 1.5 | 2.5 | 9.4 |
| MQY-12×24 | φ1200 | 2400 | 33.8 | Y280M-8 | 45 | 0.26-6.15 | 2.4 | 3.96 | 11.7 |
| MQY-12×28 | φ1200 | 2800 | 33.8 | YR280S-8 | 55 | 0.30-6.5 | 2.8 | 4.24 | 12.9 |
| MQY-12×35 | φ1200 | 3500 | 33.8 | YR280S-8 | 55 | 0.32-7.5 | 3.5 | 6 | 13.6 |
| MQY-15×15 | φ1500 | 1500 | 30.9 | YR280S-8 | 55 | 1.4-4.5 | 2.36 | 3.6 | 15.1 |
| MQY-15×20 | φ1500 | 200 | 30.9 | YR280S-8 | 55 | 2.0-7.56 | 3.26 | 5.2 | 16.2 |
| MQY-15×30 | φ1500 | 3000 | 30.9 | JR117-8 | 80 | 2.8-9 | 5.08 | 8.6 | 19.1 |
| MQY-15×35 | φ1500 | 3500 | 30.9 | JR117-8 | 80 | 3.4-10.8 | 5.3 | 8.8 | 19.5 |
| MQY-15×45 | φ1500 | 4500 | 30.9 | JR127-8 | 130 | 3.5-12.5 | 6.75 | 12 | 22.5 |
| MQY-15×57 | φ1500 | 5700 | 30.9 | JR127-8 | 130 | 6.4-34.6 | 8.8 | 14.5 | 26.6 |
| MQY-18.3×30 | φ1830 | 3000 | 25.2 | JR127-8 | 130 | 4.0-20 | 6.3 | 11.8 | 30.3 |
| MQY-18.3×40 | φ1830 | 4000 | 25.2 | JR136-8 | 180 | 6.0-29 | 8.4 | 15.7 | 35.2 |
| MQY-18.3×50 | φ1830 | 5000 | 25.2 | JR137-8 | 210 | 8.0-37 | 10.5 | 18.6 | 36.5 |
| MQY-18.3×60 | φ1830 | 6000 | 25.8 | JR138-8 | 245 | 9.0-44 | 12.6 | 22.5 | 43.2 |
| MQY-18.3×65 | φ1830 | 6500 | 25.8 | JR138-8 | 245 | 10-55 | 13.6 | 24.5 | 46.8 |
| MQY-18.3×70 | φ1830 | 7000 | 25.8 | JR138-8A | 280 | 11-65 | 14.7 | 26.4 | 50.4 |
| MQY-21×22 | φ2100 | 2200 | 24.05 | JR128-8 | 155 | 5.0-29 | 6.6 | 14 | 39.3 |
| MQY-21×24 | φ2100 | 2400 | 24.05 | JR128-8 | 155 | 5.5-31.6 | 7.3 | 12 | 44.7 |
| MQY-21×30 | φ2100 | 3000 | 24.05 | JR136-8 | 180 | 6.5-36 | 9.2 | 16 | 49.1 |
| MQY-21×36 | φ2100 | 3600 | 24.05 | JR137-8 | 210 | 7.8-43.2 | 11 | 18.1 | 55.1 |
| MQY-21×40 | φ2100 | 4000 | 24.05 | JR138-8 | 245 | 8.0-50 | 12 | 20 | 60 |
| MQY-21×45 | φ2100 | 4500 | 24.05 | JR138-8 | 245 | 8.5-55.1 | 13 | 22.8 | 64.2 |
| MQY-21×50 | φ2100 | 5000 | 24.05 | JR138-8A | 280 | 9.0-60 | 15 | 24 | 65.2 |
| MQY-24×30 | φ2400 | 3000 | 22.5 | JR138-8A | 280 | 7.2-82 | 11.8 | 22 | 64 |
| MQY-24×36 | φ2400 | 3600 | 22.5 | JR138-8B | 320 | 10-90 | 14 | 26 | 66.5 |
| MQY-24×42 | φ2400 | 4200 | 22.5 | JR500L3-8 | 380 | 11-95 | 16.2 | 31 | 69 |
| MQY-24×45 | φ2400 | 4500 | 22.5 | JR500L3-8 | 380 | 11-102 | 17.3 | 33 | 71 |
| MQY-24×50 | φ2400 | 5000 | 22.5 | JR500L3-8 | 400 | 11-125 | 20 | 35 | 75 |
| MQY-24×70 | φ2400 | 7000 | 22.5 | JR1512-8 | 570 | 11-160 | 28.5 | 42 | 89 |
| MQY-27×21 | φ2700 | 2100 | 21.6 | JR126-8 | 210 | 6.5-80 | 10.7 | 17.6 | 78.9 |
| MQY-27×24 | φ2700 | 2400 | 21.6 | JR138-8 | 245 | 7-82 | 12.3 | 20.2 | 82.9 |
| MQY-27×27 | φ2700 | 2700 | 21.6 | JR138-8A | 280 | 7.5-85 | 13.8 | 22.7 | 86 |

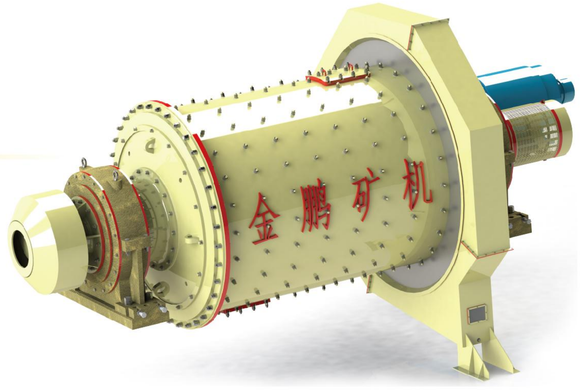




| 溢流型球磨机 | Overflow Ball Mill | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体长度 (mm) Shell Length | 筒体转速 (rpm) Mill Rotational Speed | 电机型号 Motor Model | 电机功率 (kw) Motor Power | 处理能力 (t/h) Processing Capacity | 有效容积 ($m^3$) Effective Volume | 最大装球量 (t) Max. Ball Charge | 重量 (t) Weight |
| MQY-27×30 | φ2700 | 3000 | 21.6 | JR500L3-8 | 380 | 8.5-90 | 15.3 | 30 | 88 |
| MQY-27×33 | φ2700 | 3300 | 21.6 | JR500L3-8 | 380 | 9-95 | 16.9 | 27.8 | 91.5 |
| MQY-27×36 | φ2700 | 3600 | 21.6 | JR500L3-8 | 380 | 10-110 | 18.4 | 36 | 96.9 |
| MQY-27×40 | φ2700 | 4000 | 21.6 | TDMK475-32/2150 | 475 | 11-120 | 21.1 | 38 | 99.1 |
| MQY-27×42 | φ2700 | 4200 | 21.6 | JR1510-8 | 475 | 12-130 | 22.1 | 40 | 102 |
| MQY-27×45 | φ2700 | 4500 | 21.6 | TDMK500-32/2150 | 500 | 12-135 | 23 | 42 | 109 |
| MQY-27×50 | φ2700 | 5000 | 21.6 | TDMK500-32/2150 | 500 | 12-135 | 23 | 40 | 113 |
| MQY-27×60 | φ2700 | 6000 | 21.6 | TDMK630-32/2150 | 630 | 12-140 | 30 | 50 | 117 |
| MQY-27×80 | φ2700 | 8000 | 21.6 | TDMK800-32/2150 | 800 | 12-140 | 38 | 70 | 182 |
| MQY-32×36 | φ3200 | 3600 | 18.5 | TDMK630-36/2600 | 630 | 74-86 | 25.6 | 46 | 144.2 |
| MQY-32×40 | φ3200 | 4000 | 18.5 | TDMK630-36/2600 | 630 | 75-90 | 28.5 | 54 | 153 |
| MQY-32×45 | φ3200 | 4500 | 18.5 | TDMK800-36/2600 | 800 | 95-110 | 33 | 60 | 163 |
| MQY-32×50 | φ3200 | 5000 | 18.5 | TDMK800-36/2600 | 800 | 95-120 | 37 | 65 | 185 |
| MQY-32×54 | φ3200 | 5400 | 18.5 | TDMK1000-36/2600 | 1000 | 95-130 | 40 | 70 | 195 |
| MQY-32×60 | φ3200 | 6000 | 18.5 | TDMK1000-36/2600 | 1000 | 95-140 | 44.7 | 80 | 205 |
| MQY-36×45 | φ3600 | 4500 | 17.25 | TDMK1000-40 | 1000 | 110-170 | 43 | 80 | 200 |
| MQY-36×50 | φ3600 | 5000 | 17.25 | TM1250-40/3250 | 1250 | 115-185 | 48 | 88 | 210 |
| MQY-36×55 | φ3600 | 5500 | 17.25 | TDMK1250-40 | 1250 | 120-200 | 53 | 98 | 220 |
| MQY-36×60 | φ3600 | 6000 | 17.25 | TDMK1400-40 | 1400 | 130-230 | 57.7 | 105 | 230 |
| MQY-36×64 | φ3600 | 6400 | 17.25 | TDMK1400-40 | 1400 | 130-250 | 61.5 | 113 | 245 |
| MQY-40×□ | φ4000 | 5100-8800 | 15.6-17.3 | | 1400-2400 | | 61-103 | 108-182 | |
| MQY-43×□ | φ4300 | 5500-9400 | 15.0-16.7 | | 1900-3100 | | 80-132 | 141-233 | |
| MQY-45×□ | φ4500 | 5800-9800 | 14.7-16.3 | | 2200-3600 | | 92-151 | 162-267 | |
| MQY-48×□ | φ4800 | 6100-10400 | 14.2-15.8 | | 2700-4500 | | 111-184 | 196-325 | |
| MQY-50×□ | φ5000 | 6400-11000 | 13.9-15.5 | | 3100-5200 | | 126-210 | 223-370 | |
| MQY-52×□ | φ5200 | 6700-11300 | 13.6-15.2 | | 3600-6000 | | 142-232 | 250-410 | |
| MQY-55×□ | φ5500 | 7100-11500 | 12.9-14.0 | | 4000-6300 | | 169-266 | 298-469 | |
| MQY-58×□ | φ5800 | 7400-12000 | 12.6-13.6 | | 4800-7600 | | 196-310 | 319-504 | |
| MQY-60×□ | φ6000 | 7700-12500 | 12.3-13.4 | | 5400-8600 | | 219-345 | 356-561 | |

# 03

# 湿式棒磨机
Wet Rod Mill




## 应用范围
APPLICATIONS

主要用于粗磨作业。
Mainly used for coarse grinding operations.

## 优势特点
ADVANTAGES & FEATURES

·棒磨机的锥形端盖曲率较小，可使钢棒能在磨机内规则运动；
·排矿中空轴直径较大，便于检修，同时可降低矿浆液面，迅速排矿；
·产品粒度均匀，过粉碎现象少。
·The castanopsis chinensis-shaped end cover of the rod mill has a smaller curvature, enabling the steel rods to move regularly inside the mill.
·The outlet hollow shaft diameter in the discharge is larger, facilitating maintenance while also reducing the pulp level for rapid ore discharge.
·The product has uniform particle size with minimal over-grinding.

## 工作原理
WORKING PRINCIPLE

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

The rod mill is driven by a motor through a reducer and a peripheral large gear for speed reduction, or directly by a low-speed synchronous motor via the peripheral large gear, causing the cylinder to rotate. The cylinder contains appropriate grinding media—steel rods. Under the action of centrifugal force and friction, the grinding media are lifted to a certain height and then fall in a cascading or tumbling motion. The material to be ground continuously enters the cylinder through the feed port, is crushed by the moving grinding media, and is discharged from the machine via overflow and the force of continuous feeding for the next stage of processing.



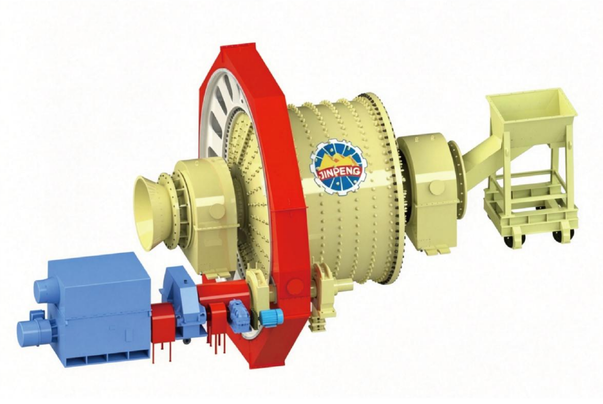


## 技术参数
TECHNICAL PARAMETERS

| 湿式棒磨机 | Wet Rod Mill | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 规格 Specification | 筒体转速 (rpm) Mill Rotational Speed | 电机型号 Motor Model | 电机功率 (kw) Motor Power | 有效容积 ($m^3$) Effective Volume | 最大装球量 (t) Max. Ball Charge | 重量 (t) Weight |
| MBY0918 | φ900×1800 | 35.4 | Y225M-8 | 22 | 0.9 | 2.5 | 5.7 |
| MBY0924 | φ900×2400 | 35.4 | Y250M-8 | 30 | 1.2 | 3.55 | 6.9 |
| MBY1224 | φ1224×2400 | 27.75 | Y280M-8 | 45 | 2.2 | 4.8 | 13.7 |
| MBY1530 | φ1530×3000 | 26 | JR125-8 | 95 | 5 | 8 | 19 |
| MBY2130 | φ2100×3000 | 20.9 | JR137-8 | 210 | 9 | 16 | 49.1 |
| MBY2136 | φ2100×3600 | 20.9 | JR138-8 | 245 | 10.8 | 18 | 54 |
| MBY2430 | φ2400×3000 | 19 | JR138-8 | 280 | 12 | 22 | 58 |
| MBY2736 | φ2700×3600 | 19.2 | JR158-8 | 400 | 18.4 | 31 | 93 |
| MBY2740 | φ2700×4000 | 19.2 | JR158-8 | 400 | 20.4 | 34 | 95 |
| MBY3240 | φ3200×4000 | 16.6 | TDMK630-40 | 630 | 28.5 | 55 | 151 |
| MBY3245 | φ3200×4500 | 16.6 | TDMK800-36 | 800 | 31 | 60 | 160 |

# 04

# 自磨机 | 半自磨机
Autogenous And SAG Mill




## 应用范围
APPLICATIONS

一般应用于粗碎后的粗磨作业。
It is generally used for coarse grinding after primary crushing.

## 自磨机-工作原理
AG MILL-WORKING PRINCIPLE

自磨机是一种完全依靠矿石自身作为磨矿介质的设备。它将大块矿石（通常可直接处理来自采场的原矿或粗碎产品）给入磨机，利用筒体旋转将矿石提升至一定高度后抛落，通过矿石之间的相互冲击、磨削和研磨实现粉碎。其粉碎比极高，可兼有破碎和粉磨两种功能。

The autogenous mill is a type of equipment that relies entirely on the ore itself as the grinding medium. It feeds large lumps of ore (typically capable of directly processing run-of-mine ore from the stope or primary crushed product) into the mill, and utilizes the rotation of the shell to lift the ore to a certain height before it cascades down. Comminution is achieved through the mutual impact, attrition, and abrasion between ore particles. It features an extremely high reduction ratio and can perform both crushing and grinding functions.

## 半自磨机-工作原理
SAG MILL-WORKING PRINCIPLE

半自磨机的工作原理与自磨机基本相同，但在磨机中添加了少量钢球（通常占磨机容积的4%到18%）作为辅助磨矿介质。这些钢球主要用于处理“临界尺寸”的物料，即那些在纯自磨过程中难以被有效粉碎的、尺寸不大不小的顽固矿石颗粒。

The working principle of a semi-autogenous mill (SAG mill) is essentially the same as that of an autogenous mill, but a small amount of steel balls (typically accounting for 4% to 18% of the mill volume) is added as auxiliary grinding media. These steel balls are primarily used to handle "critical size" material — those stubborn ore particles of intermediate size that are difficult to effectively comminute during pure autogenous grinding.

## 技术参数
TECHNICAL PARAMETERS

**自磨机 | AG Mill**

| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体长度 (mm) Shell Length | 筒体转速 (rpm) Mill Rotational Speed | 最大装球量 (t) Max. Ball Charge | 有效容积 ($m^3$) Effective Volume | 电机功率 (kw) Motor Power |
|---|---|---|---|---|---|---|
| MA-40×□ | ϕ4000 | 1400-3600 | 16.2 | 2-6 | 17-42 | 220-540 |
| MA-45×□ | ϕ4500 | 1600-4100 | 15.3 | 3-9 | 24-61 | 320-830 |
| MA-50×□ | ϕ5000 | 1800-4500 | 14.5 | 5-12 | 34-83 | 500-1200 |
| MA-55×□ | ϕ5500 | 1800-5000 | 13.8 | 6-16 | 42-112 | 630-1700 |
| MA-61×□ | ϕ6100 | 2400-5500 | 13.1 | 10-21 | 69-152 | 1050-2400 |
| MA-67×□ | ϕ6700 | 2600-6000 | 12.5 | 13-28 | 93-201 | 1500-3300 |
| MA-73×□ | ϕ7300 | 2800-6600 | 12.0 | 17-37 | 120-264 | 2000-4500 |
| MA-80×□ | ϕ8000 | 3200-7200 | 11.4 | 22-48 | 160-347 | 2800-6200 |
| MA-86×□ | ϕ8600 | 3400-7700 | 11.0 | 27-60 | 197-429 | 3500-7900 |
| MA-92×□ | ϕ9200 | 3700-8300 | 10.7 | 34-74 | 246-530 | 4500-10000 |
| MA-98×□ | ϕ9800 | 3900-8800 | 10.3 | 41-89 | 296-640 | 5600-12500 |
| MA-104×□ | ϕ10400 | 4200-9400 | 10.0 | 50-107 | 359-770 | 7000-15400 |
| MA-110×□ | ϕ11000 | 4400-9900 | 9.8 | 59-127 | 422-909 | 8400-19000 |
| MA-116×□ | ϕ11600 | 4600-10400 | 9.5 | 69-148 | 492-1064 | 10000-22000 |
| MA-122×□ | ϕ12200 | 4900-11000 | 9.2 | 81-174 | 580-1246 | 12000-27000 |

**半自磨机 | SAG Mill**

| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体长度 (mm) Shell Length | 筒体转速 (rpm) Mill Rotational Speed | 最大装球量 (t) Max. Ball Charge | 有效容积 ($m^3$) Effective Volume | 电机功率 (kw) Motor Power |
|---|---|---|---|---|---|---|
| MAB-40×□ | ϕ4000 | 1600-3600 | 16.2 | 13-29 | 19-42 | 310-710 |
| MAB-45×□ | ϕ4500 | 1800-4100 | 15.3 | 19-43 | 27-61 | 470-1100 |
| MAB-50×□ | ϕ5000 | 2000-4500 | 14.5 | 27-58 | 38-83 | 700-1500 |
| MAB-55×□ | ϕ5500 | 2200-5000 | 13.8 | 36-78 | 51-112 | 960-2200 |
| MAB-61×□ | ϕ6100 | 2400-5500 | 13.1 | 48-106 | 69-152 | 1400-3100 |
| MAB-67×□ | ϕ6700 | 2700-6000 | 12.5 | 65-140 | 93-201 | 2000-4300 |
| MAB-73×□ | ϕ7300 | 2900-6600 | 12.0 | 84-184 | 120-264 | 2600-5900 |

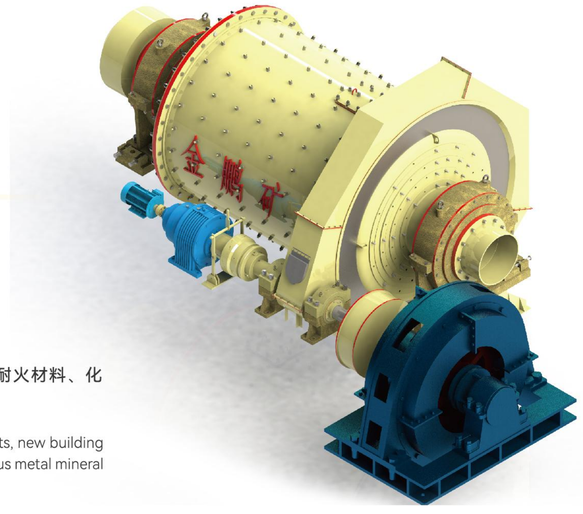




**半自磨机 | SAG Mill**

| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体长度 (mm) Shell Length | 筒体转速 (rpm) Mill Rotational Speed | 最大装球量 (t) Max. Ball Charge | 有效容积 ($m^3$) Effective Volume | 电机功率 (kw) Motor Power |
|---|---|---|---|---|---|---|
| MAB-80×□ | ϕ8000 | 3200-7200 | 11.4 | 112-242 | 160-347 | 3600-8100 |
| MAB-86×□ | ϕ8600 | 3400-7700 | 11.0 | 137-299 | 197-429 | 4600-10000 |
| MAB-92×□ | ϕ9200 | 3700-8300 | 10.7 | 172-370 | 246-530 | 5900-13000 |
| MAB-98×□ | ϕ9800 | 3900-8800 | 10.3 | 206-446 | 296-640 | 7300-16000 |
| MAB-104×□ | ϕ10400 | 4200-9400 | 10.0 | 250-537 | 359-770 | 9100-20000 |
| MAB-110×□ | ϕ11000 | 4400-9900 | 9.8 | 294-634 | 422-909 | 11000-25000 |
| MAB-116×□ | ϕ11600 | 4600-10400 | 9.5 | 343-742 | 492-1064 | 13000-30000 |
| MAB-122×□ | ϕ12200 | 4900-11000 | 9.2 | 405-869 | 580-1246 | 16000-36000 |

# 05
# 干式格子型球磨机
Dry Grid Type Ball Mill




## 应用范围
APPLICATIONS

它广泛应用于水泥，硅酸盐制品，新型建筑材料、耐火材料、化肥、黑色与有色金属选矿以及玻璃陶瓷等生产行业。

It is widely used in industries such as cement, silicate products, new building materials, refractory materials, fertilizers, black and non-ferrous metal mineral processing, as well as glass and ceramics production.

## 优势特点
ADVANTAGES & FEATURES

不仅能干法生产也可以湿法生产，还可以粉磨和烘干同时进行作业。

It can not only be used for dry production but also wet production, and can simultaneously perform grinding and drying operations.

## 工作原理
WORKING PRINCIPLE

干式球磨机为卧式筒形旋转单仓或者双仓装置。球磨机双仓工作原理外沿齿轮传动，两仓。物料由进料装置经入料中空轴螺旋均匀地进入磨机第一仓，该仓内有阶梯衬板或波纹衬板，内装不同规格钢球，筒体转动产生离心力将钢球带到一定高度后落下，对物料产生重击和研磨作用。物料在第一仓达到粗磨后，经单层隔仓板进入第二仓，该仓内镶有平衬板，内有钢球，将物料进一步研磨。粉状物通过卸料箅板排出，完成粉磨作业。

The dry ball mill is a horizontal cylindrical rotating device with single or double chambers. The double-chamber ball mill operates via external gear transmission with two chambers. The material is uniformly fed into the first chamber of the mill through the feeding device and the central spiral of the inlet shaft. This chamber is equipped with stepped or corrugated liners and contains steel balls of different specifications. The rotation of the cylinder generates centrifugal force, lifting the steel balls to a certain height before they fall, delivering heavy impact and grinding effects on the material. After coarse grinding in the first chamber, the material passes through a single-layer partition plate into the second chamber, which is lined with flat liners and contains steel balls for further grinding. The powdered material is discharged through the discharge grate plate, completing the grinding process.

## 技术参数
TECHNICAL PARAMETERS

**干式格子型球磨机 | Dry Grid Type Ball Mill**

| 型号 Model | 规格 Specification | 筒体 The Shell | | 有效容积 ($m^3$) Effective Volume | 最大装球量 (t) Max. Ball Charge | 电动机 Motor | | 处理能力 (t/h) Processing Capacity | 重量 (t) Weight | 备注 Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 长度(mm) Length | 转速(rpm) Rotational Speed | | | 型号 Model | 功率(kw) Motor Power | | | |
| MQG0909 | 900 | 900 | 37.1 | 0.45 | 0.96 | Y200L-8 | 15 | 0.16-0.8 | 4.4 | 单仓Simgle |
| MQG0918 | 900 | 1800 | 37.1 | 0.9 | 1.92 | Y225M-8 | 22 | 0.33-1.6 | 5.7 | 单仓Single |
| MQG1212 | 1200 | 1200 | 33.4 | 1.1 | 2.4 | Y250M-8 | 30 | 0.16-2.4 | 10.5 | 单仓Smgle |
| MQG1224 | 1200 | 2400 | 33.4 | 2.2 | 3.96 | YR280S-8 | 55 | 0.3-2.8 | 12.5 | 单仓Smgle |
| MQG1228 | 1200 | 2800 | 33.8 | 2.8 | 5 | YR280S-8 | 55 | 0.3-3.0 | 13.6 | 单仓Smgle |
| MQG1515 | 1500 | 1500 | 30.9 | 2.2 | 5 | JR115-8 | 60 | 1.0-3.0 | 14 | 单仓Simgle |
| MQG1530 | 1500 | 3000 | 30.9 | 4.4 | 8.6 | JR125-8 | 95 | 1.5-3.5 | 19 | 单仓Smgle |
| MQG1530 | 1500 | 3000 | 30.9 | 4.4 | 8.6 | JR125-8 | 95 | 1.5-3.5 | 19.5 | 双仓Double |
| MQG1557 | 1500 | 5700 | 30.9 | 8.6 | 14.5 | JR127-8 | 130 | 2.0-4.5 | 26.5 | 单仓Simgle |
| MQG1557 | 1500 | 5700 | 30.9 | 8.6 | 14.5 | JR127-8 | 130 | 2.0-4.5 | 26.8 | 双仓Double |
| MQG1836 | 1800 | 3600 | 25.2 | 7.5 | 13.5 | JR128-8 | 155 | 2.0-5.0 | 34.1 | 单仓Simgle |
| MQG1840 | 1800 | 4000 | 25.2 | 8.2 | 14.5 | JR128-8 | 155 | 2.0-5.5 | 36.4 | 单仓Smgle |
| MQG1860 | 1800 | 6000 | 25.8 | 12.6 | 22.5 | JR138-8 | 245 | 5.5-9.0 | 44 | 双仓Double |
| MQG1870 | 1800 | 7000 | 25.8 | 13.6 | 24.5 | JR138-8 | 245 | 6.0-10.5 | 47.5 | 双仓Double |
| MQG2130 | 2100 | 3000 | 24.05 | 6.6 | 16 | JR136-8 | 180 | 4.5-5.5 | 49 | 单仓Simgle |
| MQG2136 | 2100 | 3600 | 24.05 | 11 | 21 | JR137-8 | 210 | 4.5-6.5 | 54 | 单仓Smgle |
| MQG2445 | 2400 | 4500 | 22.5 | 17.3 | 33 | JR500L3-8 | 380 | 8.0-12 | 71 | 单仓Simgle |
| MQG2745 | 2700 | 4500 | 21.6 | 23 | 42 | TDMK500-32/2150 | 500 | 10.0-16.0 | 109 | 单仓Simgle |
| MQG3245 | 3200 | 4500 | 18.5 | 30 | 70 | TDMK800-36 | 800 | 18.0-25.0 | 160 | 双仓Double |
| MQG3655 | 3600 | 5500 | 17.25 | 49.5 | 105 | TDMK1600-40 | 1600 | 25.0-42.0 | 215 | 双仓Double |





# 06

# 石墨专用搅拌砂磨机
Special Stirring Sand Mill for Graphite




## 优势特点
ADVANTAGES & FEATURES

·可将物料有效粉磨更细；
·能耗低，节能；
·产品粒度可调，循环连续生产；
·设备运行平稳可靠，震动小，噪音小。
·设备结构简单，操作维护方便。

· The material is effectively ground finer,
· Low energy consumption,energy saving,
· Product granularity adjustable,cycle continuous production.
· The equipment runs smoothly and reliably,with little vibration and noise.
· The equipment is simple in structure and convenient in operation and maintenance.

## 工作原理
WORKING PRINCIPLE

筒体内充满一定的磨矿介质。叶轮经过传动装置驱动旋转，磨矿介质和物料在筒体内做整体的多位循环运动和自动运动，介质和物料在筒体内上下、里外相互交换，物料在磨矿介质重压力、回转产生的磨擦力，冲击挤压力和剪切力作用下被有效的粉磨。

The cylinder is filled with a certain amount of grinding media. The impeller is driven to rotate through the transmission device. The grinding media and material inside the cylinder undergo a multi-dimensional circulating motion and self-rotating motion as a whole; the media and material exchange positions vertically and radially within the cylinder. The material is effectively ground under the heavy pressure of the grinding media, the friction generated by rotation, impact and squeezing forces, and shear forces.

## 技术参数
TECHNICAL PARAMETERS

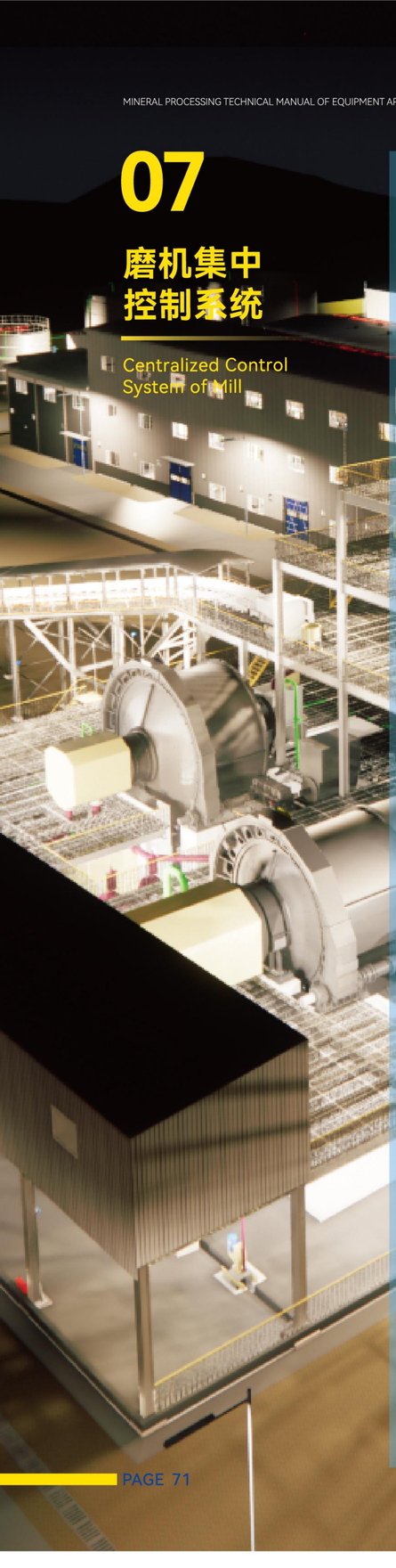
**石墨专用搅拌砂磨机 | Special Stirring Sand Mill for Graphite**

| 型号 Model | 筒体直径 (mm) Shell Diameter | 筒体高度 (mm) Shell Height | 有效容积 ($m^3$) Effective Volume | 电机功率 (kw) Motor Power | 主轴转速 (r/min) Rotational Speed |
|---|---|---|---|---|---|
| SMJ800 | 800/1000 | 990/640 | 0.68 | 22 | 254 |
| SMJ1000 | 1000/1270 | 990/640 | 1 | 37 | 205 |
| SMJ1200 | 1200/1520 | 1200/640 | 2 | 55 | 172 |

# 07

# 磨机集中控制系统

Centralized Control System of Mill



## 核心功能 Core Functions

### 全时域实时监测
Full-Time Real-Time Monitoring

7×24小时持续监测磨机运行状态、工艺参数及设备负荷，构建全方位数据采集体系，为系统决策提供实时精准的数据支撑。

Continuous 24/7 monitoring of mill operating status, process parameters, and equipment load builds a comprehensive data acquisition system, providing accurate real-time data support for system decision-making.

### 智能自动闭环调控
Intelligent Automatic Closed-Loop Control

基于实时监测数据，自动闭环调节给矿量、磨矿浓度、分级溢流浓度及粒度等关键参数，确保磨矿作业始终处于最佳工况。

Based on real-time monitoring data, key parameters such as feed rate, grinding density, cyclone overflow density, and particle size are automatically regulated in a closed loop, ensuring the grinding operation is always maintained at optimal conditions.

### 主动故障诊断预警
Proactive Fault Diagnosis and Early Warning

系统对实时数据进行深度分析，提前预判潜在故障及异常趋势，及时发出分级报警与操作提示，辅助操作人员快速响应，有效规避设备事故与非计划停机。

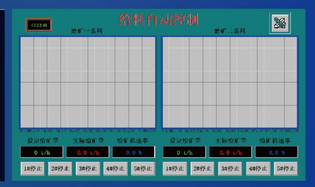
The system performs in-depth analysis of real-time data, anticipates potential faults and abnormal trends in advance, and issues graded alarms and operational prompts in a timely manner. This assists operators in responding quickly, effectively preventing equipment accidents and unplanned downtime.

### 全程优化控制
Full-Process Optimization Control

通过持续优化磨矿过程控制策略，有效提升磨矿效率，降低单位能耗，稳定并提高产品粒度指标，助力选厂实现降本增效与精细化运营。

By continuously optimizing the grinding process control strategy, the system effectively improves grinding efficiency, reduces unit energy consumption, and stabilizes and enhances product particle size indicators, helping the concentrator achieve cost reduction, efficiency improvement, and refined operation.








## 技术优势 Technical Advantages

### 人机交互界面友好
User-Friendly Human-Machine Interface

磨机集中控制柜标配彩色触摸屏，作为人机信息交互平台，显示信息丰富、界面直观友好，操作便捷，便于现场人员实时掌握设备运行状态。

The mill centralized control cabinet is equipped with a color touch screen as the standard HMI platform. It provides rich information display, an intuitive and user-friendly interface, and convenient operation, enabling on-site personnel to easily monitor equipment operating status in real time.

### 高性能PLC主控系统
High-Performance PLC Control System

采用西门子PLC可编程控制器作为核心控制单元，编程灵活、逻辑简洁，I/O扩展方便，事件响应迅速，数据处理能力强，整机运行稳定可靠。

A Siemens PLC programmable controller is adopted as the core control unit. It features flexible programming, concise logic, convenient I/O expansion, rapid event response, and powerful data processing capability, ensuring stable and reliable overall operation.

### 多路温度智能监测保护
Multi-Channel Intelligent Temperature Monitoring & Protection

控制柜集成多路温度检测装置，可对电机绕组、电机轴承、主机轴瓦及其他关键部位进行实时温度监测，达到设定极限值时自动报警提示，辅助操作人员及时采取措施，有效预防设备事故。

The control cabinet integrates a multi-channel temperature detection device, capable of real-time temperature monitoring of motor windings, motor bearings, main shaft bushings, and other critical components. When the set limit is reached, an automatic alarm is issued, assisting operators in taking timely measures to effectively prevent equipment accidents.

### 稀油站全功能集成控制
Full-Function Integrated Control of Oil Lubrication Station

控制柜同时具备稀油站集中管控能力，涵盖高压泵、低压泵、电加热器及冷却水系统的自动控制，保障润滑系统稳定运行。

The control cabinet also offers centralized control and management of the oil lubrication station, covering automatic control of high-pressure pumps, low-pressure pumps, electric heaters, and the cooling water system, thereby ensuring the stable operation of the lubrication system.

### 全系统联动协调控制
System-Wide Coordinated Control

实现油压、气压等工艺参数的自动控制，并完成上述各系统之间的电气连锁与逻辑协调，确保磨机启停、运行及保护动作有序联动，提升整机运行安全性与自动化水平。

It enables automatic control of process parameters such as oil pressure and air pressure, and implements electrical interlocking and logical coordination among all the above systems. This ensures orderly linkage of mill start, stop, operation, and protection actions, enhancing the overall operational safety and automation level.

### 喷射润滑与辅助传动控制
Spray Lubrication and Auxiliary Drive Control

具备喷射润滑装置的电气控制功能，同时集成顶起控制、慢速传动控制及离合器控制，满足大型磨机启停及检修工况需求。

It provides electrical control for the spray lubrication device, and integrates jacking control, inching drive control, and clutch control to meet the start-stop and maintenance requirements of large mills.





# 分级设备
# CLASSIFYING EQUIPMENT



金鹏分级机产品系列成熟，螺旋直径范围100-3500mm，兼备单螺旋和双螺旋结构，并支持定制化长度。其中，2FG-35型双螺旋分级机荣获国家实用新型专利（专利号：ZL201821186100.8），彰显了产品在设计与创新方面的领先优势。

The Jinpeng classifier products boast a mature design, with spiral diameters ranging from 100 to 3500 mm. Available in both single- and double-spiral configurations, it can also be customized in length. Among them, the 2FG-35 double-spiral classifier has been granted the National Utility Model Patent (Patent No.: ZL201821186100.8), highlighting the product's leading advantages in design and innovation.





# 01

## 螺旋分级机
Spiral Classifier




### 高堰式螺旋分级机
High Weir Spiral Classifier

### 应用范围
APPLICATIONS

磨矿的辅助设备进行预先分级和检查分级，也用于对含黏土矿石进行洗矿以及对矿浆进行脱泥、脱水。

Used as auxiliary equipment for ore grinding to perform pre-classification and inspection classification, also employed for washing clay-bearing ores, as well as desliming and dewatering of ore pulp.

### 优势特点
ADVANTAGES & FEATURES

·设备电机、减速机、轴承采用优质的名牌产品。
·大型分级机大管轴采用厚锰钢板一次卷制，极大提高了管轴的强度。
·我公司有专用加工分级机大轴的15米卧式车床，可保证大轴一次装夹车成，保证大轴的同轴度。
·大轴溢流端采用尼龙轴承，不但成本降低，使用寿命加长，而且维修更换方便。
·叶片采用自动割下料，整齐美观。
·单螺旋高堰式分级机返砂端增加了一个返砂自动提升装置，且每吨矿石一般可节电1-1.5度、避免了大勺头的频繁检修。

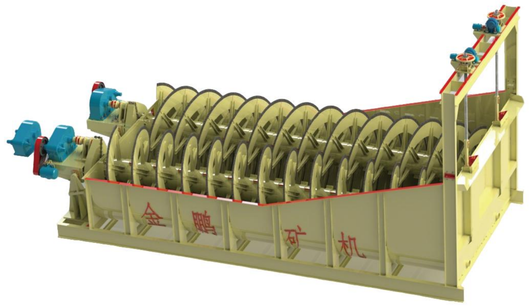
· The motor, reducer, and bearings of the equipment adopt high-quality branded products.
· For large classification machines, the large tubular shafts are manufactured using thick manganese steel plates through a single rolling process, which significantly enhances the strength of the tubular shafts.
· Our company possesses a dedicated 15-meter horizontal lathe for machining classifier shafts, ensuring the shaft is turned in a single clamping and guaranteeing coaxiality.
· The large shaft overflow end is equipped with nylon bearings, which not only reduces costs and extends service life but also facilitates maintenance and replacement.
· The blades are automatically cut and shaped, ensuring neatness and aesthetic appeal.
· The single-spiral high-weir type classifier has been equipped with an automatic sand return lifting device at the sand return end, which generally saves 1-1.5 kWh of electricity per ton of ore and avoids frequent maintenance of the large scoop head.

### 工作原理
WORKING PRINCIPLE

将磨细后的矿浆从位于沉降区中部的进料口给入水槽，倾斜安装的水槽下面是矿浆分级沉降区，螺旋低速转动，对矿浆起搅拌作用，使细颗粒悬浮到上面，流到溢流堰处溢出。粗颗粒沉到槽底，由螺旋输送到排料口作为返砂排出。溢流堰的位置高于螺旋轴下端的轴承中心，低于溢流端螺旋上缘。

The finely ground ore pulp is fed into the water tank through the inlet located in the middle of the sedimentation zone. The inclined water tank houses the ore pulp classification and sedimentation zone below. The slow rotation of the spiral stirs the pulp, suspending fine particles to the top, which then overflow at the weir. Coarse particles settle at the bottom of the tank and are conveyed by the spiral to the discharge port as returned sand. The position of the overflow weir is higher than the center of the bearing at the lower end of the spiral shaft but lower than the upper edge of the spiral at the overflow end.

# 沉没式螺旋分级机
Submerged Spiral Classifier




## 应用范围
APPLICATIONS

主要适用于溢流粒度为0.15～0.07mm的矿石分级。

Mainly suitable for ore classification with overflow particle size ranging from 0.15 to 0.07mm.

## 优势特点
ADVANTAGES & FEATURES

·溢流端的整个螺旋均沉没在沉降区的液面以下，沉降区具有较大的面积和深度；
·单螺旋沉没式分级机返砂端增加了一个返砂自动提升装置，且每吨矿石一般可节电1-1.5度、避免了大勺头的频繁检修。

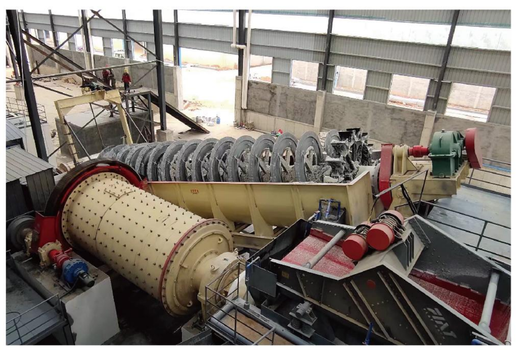
· The entire spiral at the overflow end is submerged below the liquid level of the sedimentation zone, which provides a large area and depth for sedimentation.
· The single-spiral high-weir type classifier has been equipped with an automatic sand return lifting device at the sand return end, which generally saves 1-1.5 kWh of electricity per ton of ore and avoids frequent maintenance of the large scoop head.

## 工作原理
WORKING PRINCIPLE

沉没式螺旋分级机是借助于固体粒大小不同、比重不同，因而在液体中的沉降速度不同的原理，细矿粒浮游在水中由溢流堰溢出，粗矿粒沉于槽底，由螺旋推向上部排出，来进行机械分级的一种分级设备。通过螺旋低速转动，对矿浆起搅拌作用使细颗粒悬浮到上面，流到溢流堰处溢出，粗颗粒沉到槽底，由螺旋输送到排料口作为返砂排出。

The finely ground ore pulp is fed into the water tank through the inlet located in the middle of the sedimentation zone. The inclined water tank houses the ore pulp classification and sedimentation zone below. The slow rotation of the spiral stirs the pulp, suspending fine particles to the top, which then overflow at the weir. Coarse particles settle at the bottom of the tank and are conveyed by the spiral to the discharge port as returned sand. The position of the overflow weir is higher than the center of the bearing at the lower end of the spiral shaft but lower than the upper edge of the spiral at the overflow end.









# 技术参数
TECHNICAL PARAMETERS

**螺旋分级机 | Spiral Classifier**

| 类型 Type | 型号 Model | 规格 Specification | 螺旋直径 (mm) Spiral Diameter | 螺旋转数 (r/min) Spiral Speed | 水槽 Tank | | | 处理能力(t/24h) Production Capacity | | 传动电动机 Drive Motor | | 提升电动机 Lifting Motor | | 重量 (t) Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 长 (mm) Length | 宽 (mm) Width | 倾角 (°) Dip | 溢流量 Overflow Capacity | 返砂量 Return Sand Capacity | 型号 Model | 功率 (kw) Power | 型号 Model | 功率 (kw) Power | |
| 高堰式单螺旋 High Weir Single Spiral Classifier | FG-5 | φ500 | 500 | 9.2 | 3900 | 580 | 14°-10.5° | 21-75 | 145-260 | Y132M-8 | 3 | 手动 Manual | | 1.6 |
| | FG-7 | φ750 | 750 | 78 | 5387 | 830 | 14°-10.5° | 65-154 | 255-564 | Y132M-8 | 3 | 手动 Mamual | | 2.9 |
| | FG-10 | φ1000 | 1000 | 7 | 6500 | 1110 | 14°-10.5° | 85 | 473-1026 | Y132M2-6 | 5.5 | 手动 Manual | | 4.5 |
| | FG-12 | φ1200 | 1200 | 567 | 6500 | 1372 | 14°-10.5° | 150 | 1145-1600 | Y132M2-6 | 5.5 | XWD4-29-2.2 | 2.2 | 8.8 |
| | FG-15 | φ1500 | 1500 | 2.5,4,6 | 8265 | 1664 | 14°-18.5° | 235 | 1140-2740 | Y160M-6 | 7.5 | XWD4-29-2.2 | 2.2 | 11.7 |
| | FG-20 | φ2000 | 2000 | 5.4 | 8400 | 2396 | 14°-18.5° | 400 | 5940 | Y160L-4 | 15 | XWO4-29-2.2 | 2.2 | 20.5 |
| | FG-24 | φ2400 | 2400 | 3.6,5.4,6.3 | 9160 | 2800 | 14°-18.5° | 580 | 6800 | Y160L-6/4 | 11/15 | XWD4-29-2.2 | 2.2 | 267 |
| | FG-30 | φ3000 | 3000 | 3.17 | 12500 | 3200 | 14°-18.5° | 890 | 11650 | Y180L-4 | 22 | Y112M-4 | 4 | 44.88 |
| | FG-35 | φ3500 | 3500 | 2.85 | 14000 | 3650 | 16°-18.5° | 1300 | 1450 | Y225S-4 | 37 | Y112M-4 | 4 | 62 |
| 高堰式双螺旋 High Weir Double Spiral Classifier | 2FG-12 | φ1200 | 1200 | 5.6,7 | 6500 | 2620 | 14°-10.5° | 300 | 2290-3200 | Y132M2-6 | 5.5×2 | XWD4-29-2.2 | 2.2×2 | 15.8 |
| | 2FG-15 | φ1500 | 1500 | 2.5,4,6 | 8265 | 3200 | 14°-18.5° | 460 | 2240-5360 | Y160M-6 | 7.5×2 | XWD4-29-2.2 | 2.2×2 | 22.1 |
| | 2FG-20 | φ2000 | 2000 | 54 | 8400 | 4296 | 14°-18.5° | 800 | 11880 | Y160L-4 | 15×2 | XWD4-29-2.2 | 2.2×2 | 36.4 |
| | 2FG-24 | φ2400 | 2400 | 3.6,5.4,6.3 | 9160 | 5040 | 14°-18.5° | 1160 | 13600 | Y160L-6/4 | 11×2/15×2 | XWD4-29-2.2 | 2.2×2 | 45.9 |
| | 2FG-30 | φ3000 | 3000 | 3.17 | 12500 | 6300 | 14°-18.5° | 1785 | 23300 | Y180L-4 | 22×2 | Y112M-4 | 4×2 | 77.08 |
| | 2FG-35 | φ3500 | 3500 | 2.85 | 14000 | 7300 | 16°-18.5° | 25800 | 29500 | Y225S-4 | 37×2 | Y112M-4 | 4×2 | 113.5 |
| 沉没式单螺旋 Submerged Single Spiral Classifier | FC-10 | φ1000 | 1000 | 6-7.4 | 6500 | 1110 | 14°-10.5° | 75 | 473-1026 | Y132M2-6 | 5.5 | 手动 Manual | | 6 |
| | FC-12 | φ1200 | 1200 | 567 | 8400 | 1372 | 14°-10.5° | 120 | 1170-1630 | Y160M-6 | 7.5 | XWD4-29-2.2 | 2.2 | 11 |
| | FC-15 | φ1500 | 1500 | 2.5,4,6 | 10500 | 1664 | 14°-18.5° | 185 | 1140-2740 | Y160M-6 | 7.5 | XWD4-29-2.2 | 2.2 | 15.3 |
| | FC-20 | φ2000 | 2000 | 5.4 | 12800 | 2396 | 14°-18.5° | 400 | 5940 | Y180M-4 | 18.5 | XWD4-29-2.2 | 2.2 | 29 |
| | FC-24 | φ2400 | 2400 | 3.6 | 11130 | 2600 | 14°-18.5° | 455 | 6800 | Y200L1-6 | 18.5 | XWD4-29-2.2 | 2.2 | 37 |
| | FC-30 | φ3000 | 3000 | 3.2 | 14300 | 3200 | 14°-18.5° | 705 | 11650 | Y200L-4 | 30 | Y112M-4 | 4 | 43.5 |
| 沉没式双螺旋 Submerged Double Spiral Classifier | 2FC-12 | φ1200 | 1200 | 6 | 8400 | 2620 | 14°-10.5° | 240 | 1770-2800 | Y160M-6 | 7.5×2 | XWD4-29-2.2 | 2.2×2 | 19.6 |
| | 2FC-15 | φ1500 | 1500 | 2.5,4,6 | 10500 | 3200 | 14°-18.5° | 370 | 2240-5360 | Y160M-6 | 7.5×2 | XWD4-29-2.2 | 2.2×2 | 27.5 |
| | 2FC-20 | φ2000 | 2000 | 5.4 | 12800 | 4280 | 14.5°-18.5° | 640 | 7780-11880 | Y180M-4 | 18.5×2 | XWD4-29-2.2 | 2.2×2 | 50 |
| | 2FC-24 | φ2400 | 2400 | 3.6 | 11160 | 5040 | 14°-18.5° | 910 | 13700 | Y200L1-6 | 18.5×2 | XWD4-29-2.2 | 2.2×2 | 65.3 |
| | 2FC-30 | φ3000 | 3000 | 3.17 | 14300 | 6300 | 14°-18.5° | 1410 | 23300 | Y200L-4 | 30×2 | Y112M-4 | 4×2 | 84.9 |

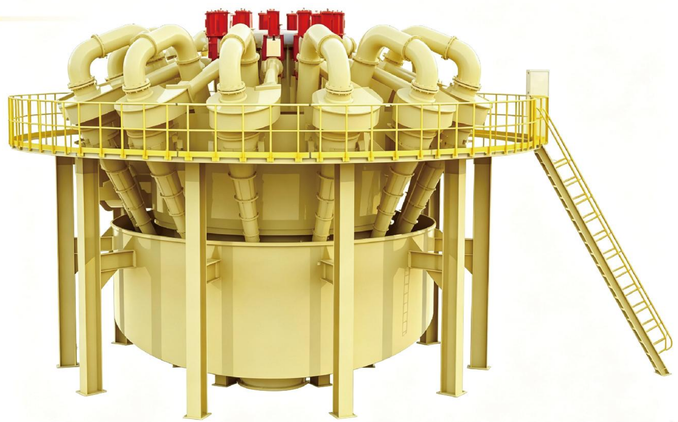






# 02

# 水力旋流器
Hydrocyclone



## 应用范围
APPLICATIONS

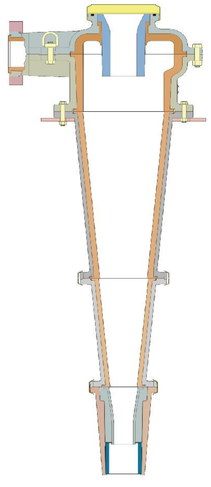
应用于黑色、有色金属矿山的磨矿分级、浓缩、脱水、脱泥、超细分级以及尾矿的充填、筑坝、回收等。

Applicable to grinding and classification, thickening, dewatering, desliming, ultra-fine classification, as well as tailings backfilling, dam construction, and recovery in ferrous and non-ferrous metal mines.

## 工作原理
WORKING PRINCIPLE

以水为介质，在几十到上百倍重力加速度的离心力场内将矿物新粒进行分级、分离的设备。根据其用途不同，可分为磨矿分级旋流職、超细分级旋流融、脱泥旋流器、浓缩旋流器等。

A device that uses water as the medium to classify and separate mineral particles in a centrifugal force field of tens to hundreds of times the gravitational acceleration. According to different applications, it can be divided into grinding classification hydrocyclones, ultra-fine classification hydrocyclones, desliming hydrocyclones, thickening hydrocyclones, etc.



溢流管 Overflow Pipe

进料室 Feed Chamber

锥体 Cone

沉砂嘴 Spigot





## 技术参数
TECHNICAL PARAMETERS

| 旋流器 \| Hydrocyclone | | | | | |
|---|---|---|---|---|---|
| 型号 Model | 筒体直径 (mm) Diameter | 最大给料粒度 (mm) Max. Particle Size | 给料压力 (Mpa) Feed Pressure | 处理能力 ($m^3/h$) Production Capacity | 分离粒度 (μm) Separation Size |
| 10 | 10 | 0.1 | 0.15-0.6 | 0.05-0.1 | 1-5 |
| 25 | 25 | 0.2 | 0.15-0.4 | 0.5-1.5 | 5-20 |
| 50 | 50 | 0.3 | 0.1-0.4 | 1.5-3.5 | 5-40 |
| 75 | 75 | 0.6 | 0.1-0.4 | 6-10 | 10-40 |
| 100 | 100 | 1 | 0.1-0.3 | 15-25 | 20-50 |
| 125 | 125 | 1 | 0.1-0.3 | 20-30 | 25-50 |
| 150 | 150 | 1.5 | 0.1-0.25 | 25-35 | 20-74 |
| 165 | 165 | 1.5 | 0.1-0.25 | 30-45 | 30-74 |
| 200 | 200 | 2 | 0.08-0.2 | 45-65 | 40-100 |
| 250 | 250 | 3 | 0.08-0.2 | 60-80 | 40-100 |
| 300 | 300 | 5 | 0.06-0.2 | 70-95 | 50-150 |
| 350 | 350 | 6 | 0.06-0.2 | 80-160 | 50-150 |
| 420 | 420 | 8 | 0.06-0.2 | 150-190 | 74-150 |
| 500 | 500 | 10 | 0.06-0.15 | 150-260 | 74-200 |
| 610 | 600 | 12 | 0.06-0.15 | 250-340 | 74-200 |
| 660 | 660 | 16 | 0.03-0.15 | 320-470 | 74-220 |
| 710 | 710 | 18 | 0.03-0.15 | 400-520 | 74-250 |
| 840 | 840 | 20 | 0.03-0.15 | 450-650 | 74-350 |





# 浮选设备
# FLOTATION EQUIPMENT




金鹏矿机打造全品类浮选装备矩阵，覆盖XCF/KYF联合充气机组、CLF粗颗粒专用机、SF/BF自吸机，一站式适配金、铜、铁、锂及多金属矿石的粗选、扫选、精选全流程。

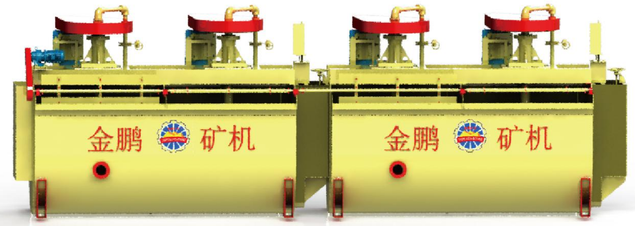
Jinpeng Mining Machinery has built a full-range flotation equipment matrix, covering XCF/KYF combined aerated flotation cells, CLF coarse particle flotation machines, and SF/BF self-aspirated flotation machines, providing a one-stop solution for the entire flowsheet of roughing, scavenging, and cleaning of gold, copper, iron, lithium, and polymetallic ores.





# 01

## KYF型浮选机
KYF Type Flotation Cell




### 应用范围
APPLICATIONS

大、中型选矿厂的粗、扫选作业；处理有色、黑色及非金属矿物。

Ideal for roughing and scavenging operations in large and medium-sized mineral processing plants, handling non-ferrous, ferrous, and non-metallic minerals.

### 优势特点
ADVANTAGES & FEATURES

·KYF浮选机叶轮是一种叶片后倾一个角度的锥形叶轮，搅拌能力强，结构简单；
·在叶轮腔中装置了多孔圆筒形空气分配器，空气分散均匀，气浆结合好；
·叶轮直径小，圆周速度低，功耗小，可节能30-50%；
·矿粒悬浮好，浮选指标高；
·采用U形槽体，尾砂沉积少；
·易损件磨损轻，寿命长；
·机械搅拌式，不能自吸气，不能自吸矿浆，作业间需阶梯配置；
·可与XCF浮选机构成联合浮选机组作直流槽。

·The impeller of the KYF flotation machine is a conical type with blades inclined backward at a certain angle, offering strong agitation capacity and a simple structure;
·A porous cylindrical air distributor is installed inside the impeller chamber, ensuring uniform air dispersion and effective slurry-air mixing;
·The impeller has a small diameter and low peripheral speed, resulting in low power consumption and energy savings of 30–50%;
·Excellent particle suspension contributes to high flotation performance;
·The U-shaped tank design minimizes tailings sedimentation;
·Wear parts have a long service life due to reduced abrasion;
·As a mechanically agitated flotation machine, it is incapable of self-aspiration of air or slurry, requiring a stepwise layout between operations;
·It can be combined with XCF flotation machines to form a unified flotation unit as a free-flow cell.

### 工作原理
WORKING PRINCIPLE

KYF型充气机械搅拌式浮选机，通过叶轮旋转同步吸入矿浆与低压空气，在叶轮腔中充分混合后均匀排出。矿化气泡迅速上升形成泡沫，实现高效分选；矿浆则部分循环再处理、部分进入下槽继续精选，整体流程顺畅、稳定，处理能力强。

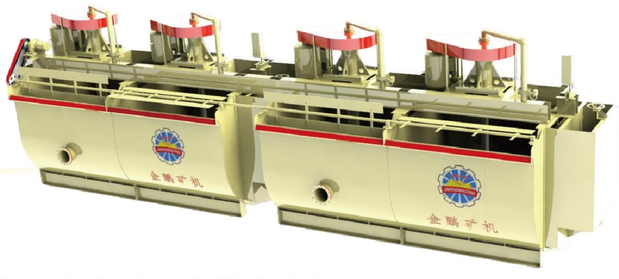
The KYF air-forced mechanical flotation cell operates by simultaneously drawing in slurry and low-pressure air through impeller rotation. The mixture is thoroughly blended inside the impeller chamber and evenly discharged. Mineralized bubbles rise rapidly to form a froth layer for efficient separation, while the slurry is partially recirculated for further treatment and partially directed to the next cell for additional cleaning. The entire process is smooth, stable, and offers high processing capacity.

## 技术参数
TECHNICAL PARAMETERS

| KYF 型浮选机 | KYF Type Flotation Cell | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 处理能力 ($m^3$/min) Production Capacity | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Rotational Speed | 鼓风机风压 (kpa) Blower Air Pressure | 最大充气量 ($m^3/m^2 \cdot min$) Max. Aeration Rate | 电机功率（kw）Motor Power | | 单槽重量 (kg) Single Cell Weight |
| | | | | | | | 搅拌用 Agitation Motor | 刮板用 Scraper Motor | |
| KYF-1 | 1 | 0.2-1 | 340 | 281 | ≥12.6 | 2 | 4 | 1.1 | 826 |
| KYF-2 | 2 | 0.4-2 | 410 | 247 | ≥14.7 | | 5.5 | | 1419 |
| KYF-3 | 3 | 0.6-3 | 480 | 219 | ≥19.8 | | 7.5 | 1.5 | 1885 |
| KYF-4 | 4 | 1.2-4 | 550 | 200 | ≥19.8 | | 11 | | 2206 |
| KYF-8 | 8 | 3.0-8 | 630 | 175 | ≥21.6 | | 15 | | 3600 |
| KYF-16 | 16 | 4.0-16 | 740 | 160 | ≥25.5 | | 30 | | 5900 |
| KYF-20 | 20 | 5-20 | 780 | 155 | ≥25 | | 37 | | 8240 |
| KYF-24 | 24 | 4-24 | 800 | 150 | ≥30.4 | | 37 | | 8540 |
| KYF-30 | 30 | 7-30 | 900 | 141 | ≥31 | | 45 | | 13820 |
| KYF-38 | 38 | 10-38 | 880 | 139 | ≥34.3 | | 45 | | 16500 |
| KYF-40 | 40 | 10-38 | 950 | 138 | ≥34.3 | | 55 | | 17000 |
| KYF-50 | 50 | 10-40 | 1030 | 120 | ≥33 | | 75 | | 22000 |
| KYF-70 | 70 | 13-50 | 1120 | 110 | ≥35 | | 90 | | 26200 |

# 02

# XCF型浮选机
XCF Type Flotation Cell



## 应用范围
APPLICATIONS

可广泛用于有色金属、黑色金属和非金属矿物的选别，适合于大、中型浮选厂的粗选和扫选作业。

Suitable for the beneficiation of non-ferrous metals, ferrous metals, and non-metallic minerals. Ideal for roughing and scavenging operations in large and medium-sized flotation plants.

## 优势特点
ADVANTAGES & FEATURES

·结构简单，搅拌能力强；
·空气分散均匀，气浆结合好；
·尾砂沉积少，圆周速度低，功耗小；
·可与KYF型浮选机构成联合浮选机组作吸入槽；
·该机结构特点与性能与KYF型浮选机相似，上下双层叶轮形成负压，自吸矿浆。
·在浮选过程中，合理的使用浮选药剂，能更有效的分选出有用的矿物与脉石矿物。

· Simple structure and strong agitation capacity;
· Uniform air dispersion and good slurry-air mixing;
· Minimal tailings sedimentation, low peripheral speed, and low power consumption;
· Can be combined with KYF flotation machines to form a unified flotation unit as a self-aspirated cell;
· The structural features and performance of this machine are similar to those of the KYF flotation machine, with upper and lower double-layer impellers creating negative pressure for self-suction of slurry;
· Proper use of flotation reagents during the flotation process enables more effective separation of valuable minerals from gangue minerals.





## 工作原理
WORKING PRINCIPLE

XCF充气浮选机通过高效叶轮同步完成吸气、吸浆与混合。其独特的上、下双层叶轮协同工作，在负压作用下自动吸入中矿进行再处理，并通过隔离盘确保作业区互不干扰。矿化气泡迅速上浮形成富集泡沫层，从而实现物料的高效分选，整个过程流畅、稳定且节能。

The XCF air-forced flotation machine utilizes a high-efficiency impeller to simultaneously perform air aspiration, slurry suction, and mixing. Its unique dual-layer (upper and lower) impellers work coordinately to automatically draw in middlings under negative pressure for reprocessing. An isolation plate ensures operational zones remain undisturbed. Mineralized bubbles rapidly rise to form an enriched froth layer, achieving efficient material separation throughout a smooth, stable, and energy-saving process.

## 技术参数
TECHNICAL PARAMETERS

| XCF型浮选机 | XCF Type Flotation Cell | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 处理能力 ($m^3$/min) Production Capacity | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Rotational Speed | 鼓风机风压 (kpa) Blower Air Pressure | 最大充气量 ($m^3/m^2 \cdot min$) Max. Aeration Rate | 电机功率（kw）Motor Power | | 单槽重量 (kg) Single Cell Weight |
| | | | | | | | 搅拌用 Agitation Motor | 刮板用 Scraper Motor | |
| XCF-1 | 1 | 0.2-1 | 400 | 358 | ≥12.6 | 2 | 5.5 | 1.1 | 1154 |
| XCF-2 | 2 | 0.4-2 | 470 | 331 | ≥14.7 | | 7.5 | | 1659 |
| XCF-3 | 3 | 0.6-3 | 540 | 266 | ≥19.8 | | 11 | 1.5 | 2259 |
| XCF-4 | 4 | 1.2-4 | 620 | 215 | ≥19.8 | | 15 | | 2669 |
| XCF-8 | 8 | 3.0-8 | 720 | 185 | ≥21.6 | | 22 | | 3968 |
| XCF-16 | 16 | 4--16 | 860 | 160 | ≥25.5 | | 37 | | 6520 |
| XCF-20 | 20 | 5-10 | 910 | 155 | ≥25 | | 45 | | 9200 |
| XCF-24 | 24 | 4-24 | 950 | 153 | ≥30.4 | | 55 | | 9660 |
| XCF-30 | 30 | 7-15 | 1000 | 141 | ≥31 | | 55 | | 14810 |
| XCF-38 | 38 | 10-38 | 1050 | 136 | ≥34.3 | | 55 | | 17000 |
| XCF-40 | 40 | 10-38 | 1050 | 138 | ≥34.3 | | 75 | | 17500 |
| XCF-50 | 50 | 10-25 | 1120 | 110 | ≥33 | | 90 | | 22000 |
| XCF-70 | 70 | 13-50 | 1200 | 103 | ≥35 | | 90 | | 26200 |

# 03

# KYF圆形浮选机
KYF Type Round Flotation Cell




## 应用范围
APPLICATIONS

适于各矿种实施大型、超大型浮选作业。

Suitable for large-scale and ultra-large-scale flotation operations across various mineral types.

## 优势特点
ADVANTAGES & FEATURES

·由于圆形浮选机几何形状受力分布比较均匀，没有应力集中的缺陷，因而适宜于向大型化发展；
·圆形槽体有非常好的流动力学特性，与方形槽体相比无死角，不沉槽；
·叶轮几何形状及槽体流体动力学特性可减少功率消耗，与同规格浮选机相比降低能耗15%-20%；
·由于药剂与矿物混合充分，泡沫丰富而稳定，回收率指标比同规格浮选机提高1%-3%；
·由于搅拌力强，泡沫丰富，精矿品位比同规格浮选机提高10%-35%；
·开停车不用放矿，无刮泡装置，操作简单，维修方便；

· Due to the uniform stress distribution of its geometric shape, the circular flotation machine is free from stress concentration defects, making it particularly suitable for large-scale development;
· The circular tank offers excellent fluid dynamics characteristics, eliminating dead zones and preventing sedimentation compared to square tanks;
· The geometric design of the impeller and the fluid dynamics of the tank reduce power consumption, achieving 15%–20% energy savings compared to conventional flotation machines of the same specifications;
· Thorough mixing of reagents and minerals results in abundant and stable froth, increasing recovery rates by 1%–3% compared to flotation machines of the same specifications;
· Strong agitation produces rich froth, boosting concentrate grade by 10%–35% over conventional flotation machines of the same specifications;
· No need to drain pulp during startup or shutdown, no froth scraper mechanism, simple operation, and easy maintenance.

## 工作原理
WORKING PRINCIPLE

电动机通过空心轴带动转子旋转，矿浆从转子下端进入转子叶片间，与通过空心轴进入的气体在叶片间混合，从叶轮上部排出，经定子导向及稳定后进入槽体，附着矿物颗粒的气泡上升到矿浆表面形成泡沫层，槽体中部矿浆中的上升气泡及其所携带的矿浆，遇到压缩泡沫的锥斗，向泡沫溢流堰快速移动，携带精矿的泡沫从泡沫溢流堰排出，槽内矿浆从矿浆排出口排出，进入下一槽再选或作为废弃尾矿排走。大型浮选机泡沫槽采用双推沫槽体结构。

The motor drives the rotor to rotate through the hollow shaft. The slurry enters between the rotor blades from the lower end of the rotor, mixes with the gas entering through the hollow shaft, and is then discharged from the upper part of the rotor. After being guided and stabilized by the stator, the mixture enters the tank. Mineral-laden bubbles rise to the slurry surface to form a froth layer. The rising bubbles in the middle part of the tank, along with the slurry they carry, encounter the compression froth cone and move rapidly toward the froth overflow weir. The froth carrying the concentrate is discharged from the froth overflow weir, while the slurry in the tank is discharged from the slurry outlet, either entering the next tank for further separation or being discharged as waste tailings. Large-scale flotation machines are designed with a double froth launder structure.

## 技术参数
TECHNICAL PARAMETERS

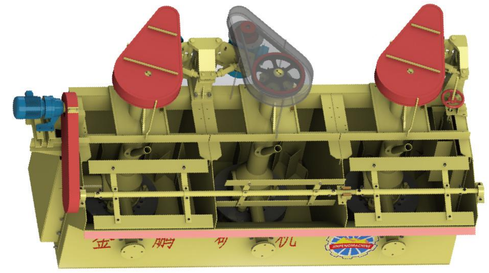
**KYF圆形浮选机 | KYF Type Round Flotation Cell**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 安装功率 (kw) Installed Power | 最小进口风压 (kpa) Min. Inlet Air Pressure | 充气量 ($m^3/m^2 \cdot min$) Aeration Rate |
|---|---|---|---|---|
| KYF-5 | 5 | 11 | >15 | 0.05-1.4 |
| KYF-10 | 10 | 22 | >20 | 0.05-1.4 |
| KYF-30 | 30 | 45 | >31 | 0.05-1.4 |
| KYF-40 | 40 | 55 | >32 | 0.05-1.4 |
| KYF-50 | 50 | 75 | >33 | 0.05-1.4 |
| KYF-70 | 70 | 90 | >41 | 0.05-1.4 |
| KYF-100 | 100 | 132 | >46 | 0.05-1.4 |
| KYF-200 | 200 | 220 | >56 | 0.9-1.5 |
| KYF-300 | 300 | 250 | >65 | 0.9-1.5 |





# 04
# SF型浮选机
SF Type Flotation Cell



## 应用范围
APPLICATIONS

广泛用于有色金属、黑色金属和非金属矿物的选别，选矿厂浮选作业的粗选和精选。

Widely used for the beneficiation of non-ferrous metals, ferrous metals, and non-metallic minerals, as well as for roughing and cleaning operations in flotation plants.

## 优势特点
ADVANTAGES & FEATURES

·有自吸空气、自吸矿浆能力、水平配置，不需要泡沫泵；
·叶轮圆周速度低，易磨损件使用寿命长，叶轮与盖板因磨损而增大间隙对吸气量影响较小；
·槽内矿浆按固定的流动方式进行上下双循环，有利于粗粒矿物的悬浮。

·Capable of self-suction of air and slurry, horizontally configured with no need for a foam pump.
·The low peripheral speed of the impeller results in a long service life for wear-prone components; the enlargement of the clearance between the impeller and the cover plate due to wear has little effect on the air suction capacity.
·The slurry in the tank undergoes dual circulation upward and downward in a fixed flow pattern, which is beneficial to the suspension of coarse mineral particles.

## 工作原理
WORKING PRINCIPLE

SF型浮选机在工作时，电动机通过三角带驱动主轴，使其下部的叶轮旋转。此浮选机的主要特点即表现在叶轮上。叶轮带有后倾式双面叶片，可实现槽内矿浆双循环。

During operation of the SF flotation machine, the motor drives the main shaft through a V-belt, causing the impeller at its lower end to rotate. The main features of this flotation machine are embodied in the impeller. The impeller is equipped with backward-inclined double-sided blades, enabling dual circulation of the slurry within the tank.

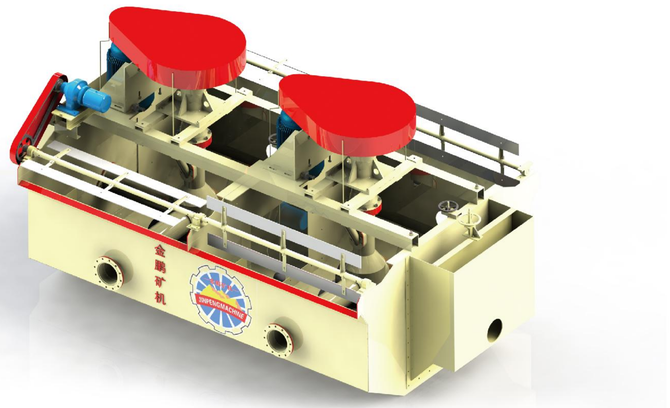
## 技术参数
TECHNICAL PARAMETERS

**SF型浮选机 | SF Type Flotation Cell**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 处理能力 ($m^3$/min) Production Capacity | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Rotational Speed | 电机功率（kw）Motor Power | | 单槽重量 (kg) Single Cell Weight |
|---|---|---|---|---|---|---|---|
| | | | | | 搅拌用 Agitation Motor | 刮板用 Scraper Motor | |
| SF-0.37 | 0.37 | 0.2-0.4 | 300 | 352-442 | 1.5 | 940 | 940 |
| SF-0.7 | 0.7 | 0.3-1.0 | 350 | 336 | 3 | 1940 | 1940 |
| SF-1.2 | 1.2 | 0.6-1.2 | 450 | 312 | 5.5 | 2800 | 2800 |
| SF-2.8 | 2.8 | 1.5-3.5 | 550 | 280 | 11 | 4240 | 4240 |
| SF-4 | 4 | 2--4 | 650 | 235 | 15 | 5200 | 5200 |
| SF-6 | 6 | 3--6 | 760 | 191 | 30 | 6000 | 6000 |
| SF-8 | 8 | 4--8 | 760 | 191 | 30 | 8584 | 8584 |
| SF-16 | 16 | 5.0-16 | 850 | 169-193 | 45 | 14830 | 14830 |
| SF-20 | 20 | 5.0-20 | 730 | 186 | 30X2 | 19646 | 19646 |

# 05

## BF型浮选机
BF Type Flotation Cell




### 应用范围
APPLICATIONS

BF型浮选机具有广泛的适用性，不仅能高效分选金、银、铜、铅、锌、镍等有色金属，也广泛应用于铁、锰等黑色金属以及萤石、滑石等非金属矿物的粗选与精选作业，是适应性强的通用型浮选装备。

The BF flotation machine offers extensive applicability, providing efficient beneficiation not only for non-ferrous metals such as gold, silver, copper, lead, zinc, and nickel, but also for ferrous metals like iron and manganese, as well as non-metallic minerals including fluorite and talc. It is suitable for both roughing and cleaning operations, making it a highly versatile and universal flotation solution.

### 优势特点
ADVANTAGES & FEATURES

·BF浮选机叶轮由闭式双截锥体组成，可产生强的矿浆下循环；
·吸气量大，功耗低；
·每槽兼有吸气、吸浆和浮选三重功能，自成浮选回路，不需要任何辅助设备，水平配置，便于流程的变更；
·矿浆循环合理，尽可能大限度地减少粗砂沉淀；
·设有矿浆面的自控和电控装置，调节方便。

· The impeller of the BF flotation machine consists of a closed double-truncated cone, generating a strong downward slurry circulation;
· High air intake capacity with low power consumption;
· Each cell integrates three functions—suction, slurry intake, and flotation—forming an independent flotation circuit without the need for auxiliary equipment; horizontally configured for easy process modification;
· Reasonable slurry circulation minimizes coarse sand sedimentation to the greatest extent;
· Equipped with automatic and electric control systems for slurry level adjustment, ensuring convenient operation.

### 工作原理
WORKING PRINCIPLE

BF型浮选机采用独特的闭式双截锥叶轮，运转时在腔体内形成负压，自动吸入空气与矿浆，并形成强烈的上下双重循环。浆气被充分混合成均匀细密的气泡，实现高效矿化。矿化气泡平稳上浮，经刮板刮出成为精矿。该机型配备液面自控装置，调节便捷，运行稳定可靠，是实现高效分选的理想选择。

The BF flotation machine operates using a unique closed double-tapered impeller. During rotation, it creates a negative pressure within the chamber, automatically drawing in air and slurry while establishing vigorous dual circulation (both upward and downward flows). The slurry and air are thoroughly mixed into fine, dense bubbles, achieving efficient mineralization. The mineralized bubbles rise steadily to the surface and are skimmed by scrapers as concentrate. Fitted with an automatic level control device, the machine ensures simple adjustment, stable operation, and reliable performance, making it an ideal choice for high-efficiency separation.



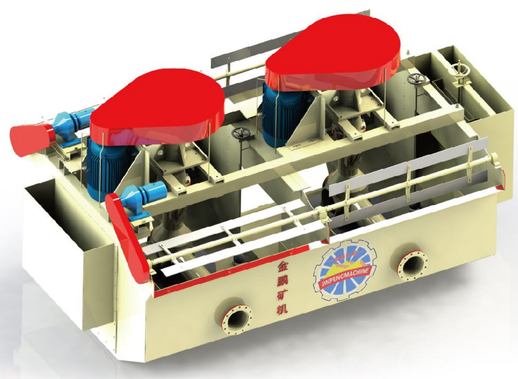


### 技术参数
TECHNICAL PARAMETERS

| BF型浮选机 \| BF Type Flotation Cell | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 长×宽×高 L×H×W (mm) | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Rotational Speed | 最大充气量 ($m^3/m^2 \cdot min$) Max. Aeration Rate | 电机 Motor | | 处理能力 ($m^3/min$) Production Capacity | 单槽重量 (kg) Single Cell Weight |
| | | | | | | 型号Model | 功率kw | | |
| BF-0.15 | 0.15 | 550×550×600 | 200 | 6 | 0.9-1.05 | Y112M-6 | 2.2 | 0.06-0.16 | 270 |
| BF-0.25 | 0.25 | 650×600×700 | 250 | | | Y100L-6 | 1.5 | 0.12-0.28 | 370 |
| BF-0.37 | 0.37 | 740×740×750 | 286 | 7.2 | | Y90L-4 | | 0.2-0.4 | 470 |
| BF-0.65 | 0.65 | 850×950×900 | 300 | 7.35 | 0.9-1.10 | Y132S-6 | 3 | 0.3-0.7 | 932 |
| BF-1.2 | 1.2 | 1050×1150×1100 | 450 | 7.02 | | Y132M2-6 | 5.5/4 | 0.6-1.2 | 1370 |
| BF-2.0 | 2 | 1400×1450×112 | 500 | 7.5 | | Y160M-6 | 7.5 | 1.0-2.0 | 1750 |
| BF-2.8 | 2.8 | 1650×1650×1150 | 550 | 8.06 | | Y180L-8 | 11 | 1.4-3.0 | 2130 |
| BF-4.0 | 4 | 1900×2000×1200 | 650 | 8 | | Y200L-8 | 15 | 2.4-4.0 | 2585 |
| BF-6.0 | 6 | 2200×2350×1300 | 700 | 7.5 | | Y225S-8 | 18.5 | 3.0-6.0 | 3300 |
| BF-8.0 | 8 | 2250×2850×1400 | 760 | | | Y225M-8 | 22 | 4.0-8.0 | 4130 |
| BF-10 | 10 | 2250×2850×1700 | | 7.52 | | | | 5.0-10 | 4500 |
| BF-16 | 16 | 2850×3800×1700 | 850 | 8.7 | | Y280S-8 Y280M-8 | 37/45 | 8.0-16 | 8320 |
| BF-20 | 20 | 2850×3800×2000 | | | | | | 10.0-20 | 8670 |
| BF-24 | 24 | 3150×4150×2000 | 920 | | | Y280M-8 | 45 | 12.0-24 | 8970 |

# 06

## GF型浮选机
GF Type Flotation Cell




### 应用范围
APPLICATIONS

中小型选厂；用于有色、黑色、贵金属及非金属矿物回收，贵金属选矿应用广泛。

Small and medium-scale concentrators; used for the recovery of non-ferrous, ferrous, precious, and non-metallic minerals, and widely applied in precious metal beneficiation.

## 优势特点
ADVANTAGES & FEATURES

·自吸气和矿浆，流程配置简单，投资和运维成本低；
·吸气量大且可调，能耗低；
·叶轮圆周速度低，部件寿命长；
·液面平稳，无翻花现象。

· Self-suction of air and slurry simplifies process configuration, reducing investment and maintenance costs;
· Large and adjustable air intake capacity with low energy consumption;
· Low peripheral speed of the impeller ensures long service life of components;
· Stable liquid level with no turbulence.

## 工作原理
WORKING PRINCIPLE

叶轮旋转产生负压，自动吸入空气；矿浆在槽内形成下部循环，使粗颗粒矿物悬浮良好，与气泡接触。

The rotation of the impeller generates negative pressure, automatically drawing in air. The slurry forms a lower circulation within the tank, ensuring effective suspension of coarse particles and promoting contact with air bubbles.

## 技术参数
TECHNICAL PARAMETERS

**GF型浮选机 | GF Type Flotation Cell**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 长×宽×高 L×H×W (mm) | 电机功率 (kw) Motor Power | 处理能力 ($m^3$/min) Production Capacity | 最大吸气量 ($m^3/m^2$.min) Max. Air Suction Capacity | 刮板电机功率 (kw) Scraper Motor Power | 单槽重量 (kg) Single Cell Weight |
|---|---|---|---|---|---|---|---|
| GF-0.35 | 0.35 | 0.7×0.7×0.73 | 1.5 | 0.1-0.2 | 1.2 | 0.75 | 470 |
| GF-0.7 | 0.7 | 0.9×0.9×0.9 | 3 | 0.1-0.4 | | 1.1 | 932 |
| GF-1.1 | 1.1 | 1.1×1.1×1.0 | 5 | 0.2-0.5 | | | 1370 |
| GF-2 | 2 | 1.40×1.40×1.15 | 7.5 | 0.3-1.0 | | 1.5 | 1750 |
| GF-3 | 3 | 1.50×1.85×1.20 | 11 | 0.5-1.5 | | | 2230 |
| GF-4 | 4 | 1.60×2.15×1.25 | 15 | 0.5-2.0 | | | 2585 |
| GF-6 | 6 | 2.0×2.5×1.3 | 22 | 1.0-3.0 | | | 3300 |
| GF-8 | 8 | 2.2×2.9×1.4 | 30 | 1.0-4.0 | | | 4130 |
| GF-10 | 10 | 2.2×2.9×1.7 | 30 | 2.0-6.0 | | | 4500 |
| GF-16 | 16 | 2.85×3.80×1.70 | 45 | 3.0-8.0 | | 2.2 | 8320 |
| GF-20 | 20 | 2.85×3.80×2.00 | 45 | 4.0-10.0 | | | 8670 |
| GF-24 | 24 | 3.15×4.15×2.00 | 55 | 5.0-12.0 | | | 8970 |
| GF-28 | 28 | 3.15×4.15×2.30 | 55 | 5.0-14.0 | | | 9480 |
| GF-42 | 42 | 3.60×4.80×2.65 | 75 | 8.0-20.0 | | 3 | 19400 |





# 07

# XJ型浮选机
XJ Type Flotation Cell



## 应用范围
APPLICATIONS

广泛应用于金属、非金属的粗选、精选、扫选和反浮选作业；

Widely used in the roughing, cleaning, scavenging, and reverse flotation operations of both metallic and non-metallic minerals.

## 优势特点
ADVANTAGES & FEATURES

盖板上装有18-20个导向叶片，这些叶片倾斜排列，与半径成55-60度倾角，它们对叶轮甩出的矿浆流具有导向作用。在盖板上的两导向叶片之间有18-20个循环孔，供矿浆循环用，由此可增大充其量；

The cover plate is equipped with 18-20 guide vanes. These vanes are arranged at a tilt, inclined at 55-60 degrees to the radius, and serve to direct the slurry flow discharged by the impeller. Between every two guide vanes on the cover plate, there are 18-20 circulation holes for slurry recirculation, thereby increasing the aeration volume.

## 工作原理
WORKING PRINCIPLE

由吸入槽与直流槽通过中间室高效衔接。设备核心由叶轮、主轴及盖板组成，通过电机驱动实现矿浆充气与混合。独特的空气筒结构支持进浆管与中矿管灵活配置，矿浆循环量可精准调节。整机结构紧凑，矿浆液面通过闸门集中控制，操作简便，运行稳定可靠。

The suction tank and direct-flow tank are efficiently connected via an intermediate chamber. The core components of the unit include the impeller, main shaft, and cover plate, driven by an electric motor to achieve slurry aeration and mixing. A unique air cylinder structure allows for flexible configuration of the feed pipe and middlings pipe, enabling precise adjustment of the slurry circulation volume. The machine features a compact design, with the slurry level centrally controlled by a gate mechanism, ensuring simple operation, stable performance, and reliable operation.

## 技术参数
TECHNICAL PARAMETERS

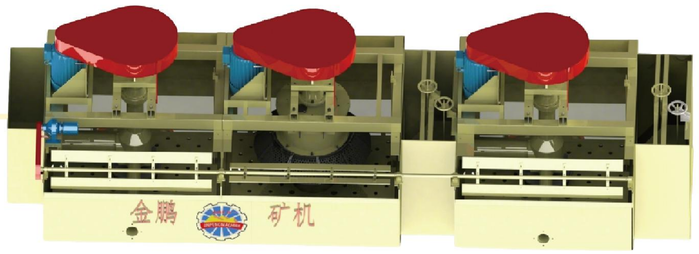
**XJ型浮选机 | XJ Type Flotation Cell**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 处理能力 ($m^3$/min) Production Capacity | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Rotational Speed | 电机功率（kw）Motor Power | | 单槽重量 (kg) Single Cell Weight |
|---|---|---|---|---|---|---|---|
| | | | | | 搅拌用 Agitation Motor | 刮板用 Scraper Motor | |
| XJ-1 | 0.13 | 0.05-0.16 | 200 | 600 | 1.5（双槽） | 0.55 | 320 |
| XJ-2 | 0.23 | 0.12-0.28 | 250 | 504 | 3（双槽） | | 390 |
| XJ-3 | 0.35 | 0.18-0.4 | 300 | 483 | 1.5 | 0.75 | 430 |
| XJ-6 | 0.62 | 0.3-0.9 | 350 | 400 | 3 | 1.1 | 860 |
| XJ-11 | 1.1 | 0.6-1.6 | 500 | 330 | 5.5 | | 1635 |
| XJ-28 | 2.8 | 1.5-3.5 | 600 | 280 | 11 | | 2430 |
| XJ-58 | 5.8 | 5-7 | 750 | 240 | 22 | 1.5 | 3633 |

# 08

## JJF型浮选机

JJF Type Flotation Cell




### 应用范围

APPLICATIONS

广泛用于有色金属、黑色金属和非金属矿物的选别，适合于大、中型浮选厂的粗选和扫选作业。

Widely used for the separation of non-ferrous metals, ferrous metals, and non-metallic minerals, it is suitable for roughing and scavenging operations in large and medium-sized flotation plants.

### 优势特点

ADVANTAGES & FEATURES

·叶轮直径小、转速低、安装深度浅，电耗较低；
·叶轮-定子间隙有较大间隙降低磨损，延长使用寿命。
·下露叶轮与伞形分散罩结构，确保矿浆充分循环的同时保持液面稳定。
·吸气量较大，充气量可在0.1-1$m^3/m^2$·min范围内精确调节。
·槽底导流管与假底设计形成固定循环路径，增强气泡弥散效果，保证颗粒充分悬浮，避免沉槽。
·即搅拌程度适中，固体颗粒悬浮良好，不沉槽，停车不用放矿。

· Small impeller diameter, low rotational speed, and shallow installation depth, resulting in lower power consumption;
· The impeller-stator gap is relatively large, reducing wear and prolonging service life;
· The exposed lower impeller and umbrella-shaped dispersion cover structure ensure adequate slurry circulation while maintaining a stable liquid level;
· High air intake capacity, with aeration rate precisely adjustable within the range of 0.1–1 $m^3/m^2$·min;
· The draft tube and false bottom design at the tank bottom create a fixed circulation path, enhancing bubble dispersion and ensuring full suspension of particles to avoid settling;
· Moderate agitation intensity ensures good suspension of solid particles, no settling in the tank, and no need to drain the pulp when stopping.

### 工作原理

WORKING PRINCIPLE

在叶轮旋转时，便在竖筒和导流管内产生涡流，此涡流形成负压，将空气从进气管吸入，在叶轮和定子区内与经导流管吸进的矿浆混合。该浆气混合流由叶轮形成切线方向运动，再经定子的作用转换成径向运动，并均匀地分布在浮选槽中。矿化起泡上升至泡沫层，单边或双边刮出即为泡沫产品。

As the impeller rotates, it generates vortices within the vertical cylinder and draft tube, creating a negative pressure that draws air through the air inlet pipe. This air mixes with slurry, drawn up through the draft tube, in the region between the impeller and stator. The slurry-air mixture is thrown tangentially by the impeller, then redirected radially by the stator, distributing it evenly throughout the flotation cell. Mineralized bubbles rise to the froth layer and are removed as concentrate by unilateral or bilateral scrapers.





### 技术参数

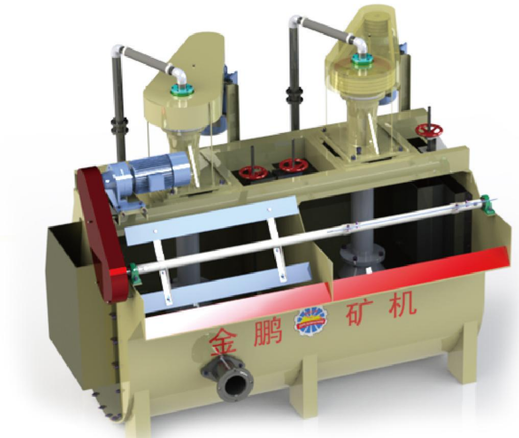
TECHNICAL PARAMETERS

| JJF型浮选机 | JJF Type Flotation Cell | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 处理能力 ($m^3$/min) Production Capacity | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Diameter Speed | 电机功率（kw）Motor Power | | 单槽重量 (kg) Single Cell Weight |
| | | | | | 搅拌用 Agitation Motor | 刮板用 Scraper Motor | |
| JJF-2.8 | 2.8 | 1.5-3.5 | 340 | 400 | 7.5 | 1.5 | 2166 |
| JJF-4 | 4 | 2.0-4 | 410 | 305 | 11 | | 2303 |
| JJF-5 | 5 | 2.0-6 | | | | | 2416 |
| JJF-8 | 8 | 4.0-8 | 540 | 233 | 540 | | 4700 |
| JJF-10 | 10 | 5.0-10 | | | | | 4820 |
| JJF-16 | 16 | 5.0-16 | 700 | 180 | 180 | | 7600 |
| JJF-20 | 20 | 5.0-20 | 730 | | | | 8500 |

# 09

## BS-K型浮选机

BS-K Type Flotation Cell




### 优势特点

ADVANTAGES & FEATURES

·功耗小，节能30%-50%；
·气泡分散均匀，泡沫稳定，浮选指标高；
·易损件磨损轻，寿命长；
·U形槽体，尾砂沉积少；
·无自吸矿浆能力，单独作业时需阶梯布置，作业中间产品返回需用泡沫泵。可与XCF型浮选机构成联合浮选机组，实现水平布置，通常作直流槽

· Low power consumption, saving energy by 30%–50%;
· Uniform bubble dispersion, stable froth, and high flotation performance;
· Long service life due to reduced wear of wear parts;
· U-shaped tank minimizes tailings sedimentation;
· No self-suction capability for slurry; stepwise layout required when operating alone, and foam pumps needed for returning intermediate products.

# 10

# JPR型铜渣浮选机
JPR Type Copper Slag Flotation Cell




## 应用范围
APPLICATIONS

铜渣、非金属矿等粗颗粒多的场合；

Ideal for applications with high coarse-particle content, such as copper slag and non-metallic mineral processing.

## 工作原理
WORKING PRINCIPLE

叶轮旋转吸入矿浆，与鼓风机供给的低压空气在叶轮叶片间充分混合后推出，气泡矿化并上浮。

The rotating impeller draws in the slurry, which is then thoroughly mixed with low-pressure air supplied by a blower between the impeller blades before being discharged. Bubble mineralization occurs, and the bubbles rise to the surface.

## 技术参数
TECHNICAL PARAMETERS

**BS-K型浮选机 | BS-K Type Flotation Cell**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 处理能力 ($m^3$/min) Production Capacity | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Rotational Speed | 鼓风机风压 (kpa) Blower Air Pressure | 最大充气量 ($m^3/m^2 \cdot min$) Max. Aeration Rate | 电机功率（kw）Motor Power | | 单槽重量 (kg) Single Cell Weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 搅拌用 Agitation Motor | 刮板用 Scraper Motor | |
| BS-K2.2 | 2.2 | 0.5-3 | 420 | 260 | ≥15 | 2 ~ 3 | 5.5 | 0.75 | 1750 |
| BS-K4 | 4 | 0.5-4 | 500 | 220,230 | ≥17 | 3 ~ 6 | 7.5 | 0.75 | 2568 |
| BS-K6 | 6 | 1.0-6 | 650 | 197 | ≥27 | 4 ~ 10 | 15 | 1.1 | 3570 |
| BS-K8 | 8 | 1.0-8 | 650 | 180,190 | ≥27 | | 15 | | 4539 |
| BS-K16 | 16 | 2.0-15 | 750 | 160,170 | ≥27 | 6 ~ 15 | 30 | | 8131 |
| BS-K24 | 24 | 7.0-20 | 830 | 154,159 | ≥29 | 8 ~ 18 | 37 | | 9546 |
| BS-K38 | 38 | 10.0-30 | 910 | 141 | ≥34 | 10 ~ 20 | 45 | | 11107 |
| BS-K40 | 40 | 10-38 | 950 | 138 | ≥34 | 12 ~ 22 | 55 | 1.5 | 17000 |
| BS-K50 | 50 | 10-40 | 1030 | 120 | ≥34 | 14 ~ 24 | 75 | | 22000 |
| BS-K70 | 70 | 13-50 | 1120 | 110 | ≥35 | 16 ~ 26 | 90 | | 26200 |





## 优势特点
ADVANTAGES & FEATURES

·采用新型结构设计，在低转速工况下实现粗粒（上限1mm）与细粒矿物同步悬浮分选，杜绝沉槽；
·独特的上升流设计配合内置格子板装置，有效抑制上部紊流，促进矿化气泡上浮，降低粗粒脱落概率
·低叶轮转速配合优化的循环路径及大间隙结构，显著降低能耗与部件磨损，确保全生命周期充气性能稳定；
·外置充气装置提供充足气量，气泡分布均匀，液面稳定，吸浆槽设计支持水平配置，无需泡沫泵即可实现流程衔接；
·配备矿浆液面自动控制系统，操作简便，控制精准。

· Adopting an innovative structural design, it achieves simultaneous suspension and separation of coarse particles (up to 1 mm) and fine minerals under low-speed operation, eliminating the risk of settling in the tank.
· The unique upward flow design, combined with a built-in grid plate device, effectively suppresses upper turbulence, promotes the rise of mineralized bubbles, and reduces the probability of coarse particle detachment.
· Low impeller speed, together with optimized circulation paths and a large-gap structure, significantly reduces energy consumption and component wear while ensuring stable aeration performance throughout the entire equipment lifecycle.
· An external aeration device provides sufficient air volume, ensuring uniform bubble distribution and a stable liquid level; the self-suction cell design supports horizontal configuration, enabling process integration without the need for foam pumps.
· Equipped with an automatic slurry level control system, it offers easy operation and precise control.

## 工作原理
WORKING PRINCIPLE

在浮选机内较浅位置为粗粒矿物创造稳定的分选环境，形成悬浮层并缩短上升距离；细粒矿物矿化难，浮选机可使未矿化的细粒矿物多次循环、从而提高其矿化概率；返回叶轮区进行再循环-矿化的矿浆流量可根据粗、细粒级含量进行调整；

The flotation machine creates a stable separation environment for coarse particles at a relatively shallow depth, forming a suspended layer and shortening the ascent distance. For fine particles that are difficult to mineralize, the machine enables multiple cycles of un-mineralized fines, thereby increasing their mineralization probability. The slurry flow returned to the impeller zone for re-circulation and mineralization can be adjusted based on the content of coarse and fine particles.

## 技术参数
TECHNICAL PARAMETERS

**JPR型铜渣浮选机 | JPR Type Copper Slag Flotation Cell**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 处理能力 ($m^3$/min) Production Capacity | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r/min) Impeller Rotational Speed | 鼓风机风压 (kpa) Blower Air Pressure | 最大充气量 ($m^3/m^2 \cdot min$) Max. Aeration Rate | 电机功率（kw）Motor Power | | 单槽重量 (kg) Single Cell Weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 搅拌用 Agitation Motor | 刮板用 Scraper Motor | |
| JPR-2 | 2 | 0.5 ~ 2 | 460 | 272 | ≥14.7 | 2 | Y160L-6-11 | XWD4-35-6-1.5 | 1591 |
| | | | 410 | 246 | | | Y160L-8-7.5 | | 1418 |
| JPR-4 | 4 | 1 ~ 4 | 620 | 240 | >19.8 | | Y200L1-6-18.5 | XWD4-35-6-1.5 | 3220 |
| | | | 580 | 190 | | | Y200L-8-15 | | 2702 |
| JPR-8 | 8 | 1 ~ 8 | 775 | 197 | ≥23.5 | | Y250M-8-30 | XWD4-35-6-1.5 | 5168 |
| | | | 660 | 185 | | | Y225M-8-22 | | 4654 |
| JPR-16 | 16 | 1 ~ 16 | 790 | 169 | ≥35 | | Y280M-8-45 | XWD4-35-6-1.5 | 9230 |
| | | | 750 | 160 | | | Y280S-8-37 | | 8970 |

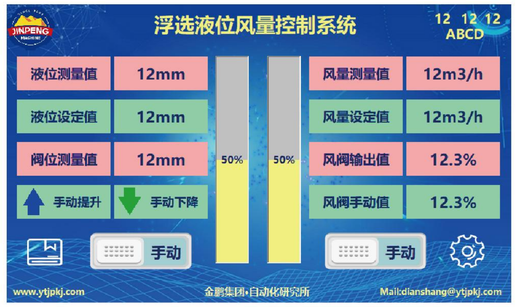
# 11

## 浮选液位风量控制系统
Flotation Level and Air Flow Control System

### 电动和风量
ELECTRIC AND AIR FLOW




### 气动和风量
PNEUMATIC AND AIR FLOW
















# 重选设备
# GRAVITY SEPARATION EQUIPMENT



金鹏矿机的重选设备以“高回收率、低运营成本、强适应性”为核心技术优势，专为解决复杂矿物选别难题而设计。

Jinpeng Mining's gravity separation equipment features core technological advantages such as "high recovery rate, low operating costs, and strong adaptability," specifically designed to address complex mineral processing challenges.

# 01

# 跳汰机
Jig



## 应用范围
APPLICATIONS

该设备为固定筛式，适用于含钨、含金砂矿及锡矿等金属矿石的选别，可处理细粒至粗粒物料，常规最大给矿粒度6～8mm，选别砂矿时最大可达12mm。

This equipment is a fixed-screen type, suitable for the beneficiation of metallic ores such as tungsten-bearing ores, gold placers, and tin ores. It can process materials ranging from fine to coarse particles, with a normal maximum feed size of 6–8 mm, and up to 12 mm when processing placer ores.

## 优势特点
ADVANTAGES & FEATURES

·采用先进变频调速技术，冲程、冲次可柔性调节，操作便捷，管理简单；
·处理能力强劲，选别粒度范围宽广，且设备结构紧凑，单位面积处理效率远超同类产品。

·Adopts advanced variable frequency speed control technology, allowing flexible adjustment of stroke and frequency, with convenient operation and simple management.
·Powerful processing capacity, a wide particle size range for separation, compact equipment structure, and processing efficiency per unit area far exceeding that of similar products.

## 工作原理
WORKING PRINCIPLE

根据跳汰床层分层理论，在传统机型基础上优化升级的节能型重选设备。采用锯齿波脉动曲线，上升水流快于下降水流，上升时间短、下降时间长，有效克服正弦波脉动下上、下水流水和作用时间对称的缺陷，增强床层松散度，弱化吸入作用，促进重矿粒充分沉降，显著提升富集比与回收率。

Based on the jig bed stratification theory, this is an energy-saving gravity separation device optimized and upgraded from conventional models. It adopts a sawtooth wave pulsation curve, in which the upward water flow is faster than the downward flow, featuring a short rise time and a long fall time. This effectively overcomes the drawback of symmetrical upward and downward flow velocity and action time found in sine wave pulsation, enhances bed dilation, weakens the suction effect, promotes thorough settling of heavy mineral particles, and significantly improves the enrichment ratio and recovery rate.





## 技术参数
TECHNICAL PARAMETERS

| 跳汰机 | Jig | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 跳汰室形状 Chamber Shape | 跳汰室面积 ($m^2$) Chamber Area | 冲程 (mm) Stroker | 冲次 (r/min ) Stroke Frequency | 给矿粒度 (mm) Feed Size | 补加水 Make-up Water | | 处理能力 (t/h) Production Capacity | 功率 (kw) Power | 重量 (kg) Weight |
| | | | | | | 水量(t/h) Water Volume | 压力(MPa) Water Pressure | | | |
| JT0.57-1 | 梯形 Ladder shaped | 0.57 | M17 | 80-160 | <10 | 2～5 | >0.1 | 1～2.5 | 1.5 | 610 |
| JT1-1 | 梯形 Ladder shaped | 1.04 | M21 | | | | | 2～4 | 2.2 | 900 |
| JT1.5-2 | 矩形 Rectangle | 1.5 | M25 | | | | | 3～6 | 3 | 1520 |
| JT1.5-2S | 矩形 Rectangle | 1.5 | M30 | | | | | 3～6 | 1.5×2 | 1780 |
| JT2-2 | 矩形 Rectangle | 2.28 | | | | | | 4～8 | 3 | 1640 |
| JT2-2S | 矩形 Rectangle | 2.28 | | | | | | 4～8 | 1.5×2 | 1900 |
| JT3-1 | 矩形 Rectangle | 3.3 | M20 | 60-120 | | | | 5～10 | 5.5 | 3260 |
| JT4-2S | 矩形 Rectangle | 4 | M25 | | | | | 6～12 | 4×2 | 4680 |
| JT5-2S | 梯形 Ladder shaped | 4.48 | M30M35 | | | | | 7～15 | 5.5×2 | 4750 |
| JT1-2S | 矩形 Rectangle | 1 | L25 L30 L35 | 50-100 | <30 | | | 2～6 | 1.5×2 | 1180 |
| JT3-2S | 矩形 Rectangle | 3 | | | | | | 6～12 | 5.5×2 | 3720 |

# 02

# 摇床
Shaking Table



## 应用范围
APPLICATIONS

可用于粗选、精选、扫选等不同作业。

Can be used for roughing, cleaning, scavenging and other operations.

## 优势特点
ADVANTAGES & FEATURES

该型摇床选别性能良好，性能稳定，选矿效率高，平稳，噪音小和使用维修方便等。

This type of shaking table exhibits excellent separation performance, stable operation, high mineral processing efficiency, smooth operation, low noise, and convenient maintenance.

## 工作原理
WORKING PRINCIPLE

矿粒在重力，横向流水冲力，床面作往复不对称运动所产生的惯性和摩擦力的作用下，按比重和粒度分层，并沿床面作纵向运动和沿倾斜床面作横向运动。

Under the combined effects of gravity, transverse water flow impact force, inertia generated by the asymmetric reciprocating motion of the table surface, and friction, ore particles stratify according to specific gravity and particle size, then move longitudinally along the table surface and transversely along the inclined surface.

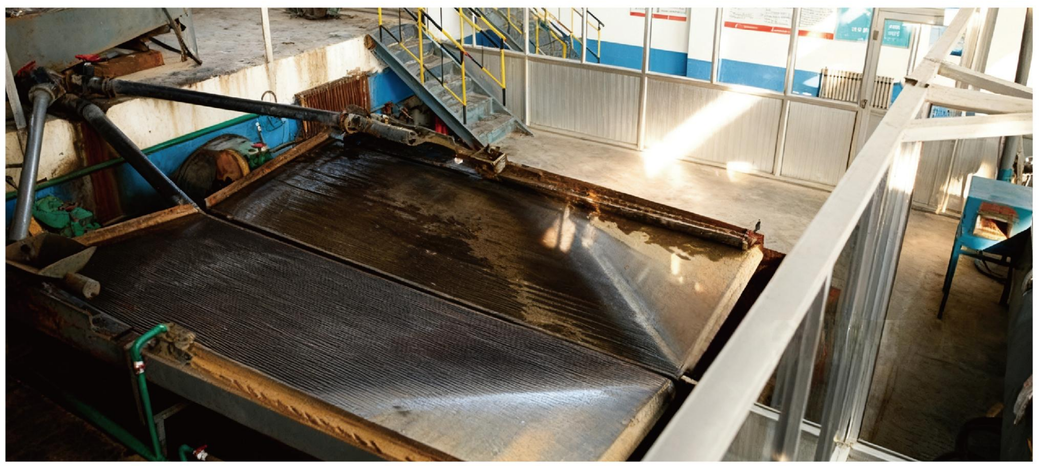
## 技术参数
TECHNICAL PARAMETERS

**6-S 型摇床 | 6-S Shaking Table**

| 床面尺寸(mm) Bed Size 长×给矿端宽×精矿端宽 L × W(feed) × W(conc.) | | 冲程 (mm) Stroke | | 冲次(r/min ) Times of Stroker | | 横向调坡 (°) Cross Slope |
|---|---|---|---|---|---|---|
| | | 矿砂 Mineral Sand | 矿泥 Mineral Slime | 矿砂 Mineral Sand | 矿泥 Mineral Slime | |
| 4520×1825×1560 | | 10 ~ 36 | 8 ~ 20 | 220 ~ 280 | 310 ~ 340 | 0 ~ 10 |
| 给料粒度 (mm) Feed Particle | 耗水量 (L/min) Water Consumption | 处理能力 (t/h) Processing Capacity | | 电机功率（kw）Motor Power | | 重量 (kg) Weight |
| | | | | 型号 Model | 功率(kw) Power | |
| <3 | 19 ~ 75 | 15 ~ 108 | | Y90S-4 | 1.1 | 990 |

**YC(S)型摇床 | YC(S) Shaking Table**

| 型号 Model | 床面尺寸(mm) Bed Size 长×给矿端宽×精矿端宽 L × W(feed) × W(conc.) | 冲程 (mm) Stroker | 冲次 (r/min) Times of Stroker | 横向调坡 (°) Cross Slope | 给料粒度(mm) Feed Particle | | 耗水量 (t/h) Water Consu-rshon | 处理能力(t/h) Processing Capacity | | 电动机 Motor | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 矿砂 Mineral Sand | 矿泥 Mineral Slime | | 矿砂 Mineral Sand | 矿泥 Mineral Slime | 型号 Model | 功率(kw) Power | |
| YC(S)3000×1320 | 3000×1320×1100 | 6 ~ 30 | 210 ~ 320 | 0 ~ 10 | -2 | —0.1 | 0.3~1.5 | 0.7 ~ 1.5 | 0.4 ~ 1.0 | Y100L-6 | 1.5 | 650 |
| YC(S)2100×1050 | 2100×1050×850 | 12 ~ 28 | 250 ~ 450 | 0 ~ 8 | -2 | -0.074 | 0.2 ~ 1.0 | 0.4 ~ 0.8 | 0.3 ~ 0.5 | Y90L-6 | 1.1 | 450 |
| YC(S)1100×500 | 1100×500×430 | 9 ~ 17 | 280 ~ 460 | 0 ~ 10 | -2 | -0.074 | 0.1~0.5 | 0.1 ~ 0.2 | 0.05 ~ 0.1 | Y80L-4 | 0.55 | 150 |



6-S-摇床 Shaking Table





# 03
# 离心选矿机
Centrifugal Separator




## 应用范围
APPLICATIONS

离心选矿机系列，按排矿方式分为间断与连续可变两种，适配贵金属精选、大比重矿物富集及工业除铁等多种应用场景，高效灵活，一机多能。

The centrifugal concentrator series is divided into two types based on the discharge method: batch and continuously variable. It is suitable for various application scenarios such as precious metal cleaning, high specific gravity mineral enrichment, and industrial iron removal, offering high efficiency, flexibility, and multi-functionality in a single machine.

## 工作原理
WORKING PRINCIPLE

离心选矿机的工作原理主要是基于离心力场的作用。当转筒高速旋转时，转筒内的矿物会受到离心力的作用，比重大的矿物会向转筒外侧移动，同时，比重小的矿物会向转筒中心汇聚，从而实现不同密度的矿物的分离。

The working principle of the centrifugal concentrator is primarily based on the action of a centrifugal force field. As the bowl rotates at high speed, the minerals inside are subjected to centrifugal force, causing those with higher specific gravity to move toward the outer wall of the bowl, while those with lower specific gravity converge toward the center, thereby achieving separation of minerals with different densities.

## 技术参数
TECHNICAL PARAMETERS

**离心选矿机 | Centrifugal Separator**

| 型号 Model | 处理能力 (t/h) Processing Capacity | 给矿粒度 (mm) Max Particle | 给矿浓度 (%) Feed Density | 反冲水量 (t/h) Recoil Water | 精矿产量 (kg/time) Concentrate Production | 电机功率 (kw) Motor Power | 圆锥转速 (r/min) Cone Rotational Speed | 压力水 (Mpa) Pressure | 外形尺寸 (m) Boundary Dimension | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| 19型 Type 19 | 0.25-1 | 0-3 | 0-50 | 1.5-2 | 2-3 | 0.75 | 800 | 0.04 | 0.8×0.8×0.8 | 145 |
| 30型 Type 30 | 2-8 | 0-4 | 0-50 | 4-6 | 10-20 | 1.5 | 600 | 0.12 | 1.2×1.2×1.3 | 400 |
| 60型 Type 60 | 10-40 | 0-6 | 0-50 | 10-15 | 30-40 | 5.5 | 460 | 0.25 | 2×1.7×1.8 | 1300 |
| 70型 Type 70 | 25-30 | 0-6 | 0-50 | 17-25 | 50-60 | 7.5 | 430 | 0.3 | 2.1×1.7×2 | 1900 |
| 80型 Type 80 | 35-6 | 0-6 | 0-50 | 20-30 | 60-70 | 11 | 400 | 0.35 | 2.3×1.8×2.2 | 2000 |
| 100型 Type 100 | 80-120 | 0-6 | 0-50 | 40-60 | 70-80 | 18.5 | 360 | 0.4 | 2.5×2.0×2.4 | 2500 |
| 120型 Type 120 | 120-180 | 0-6 | 0-50 | 70-80 | 110-120 | 22 | 360 | 0.5 | 2.7×2.2×2.6 | 3000 |

# 磁选设备
# MAGNETIC SEPARATION EQUIPMENT

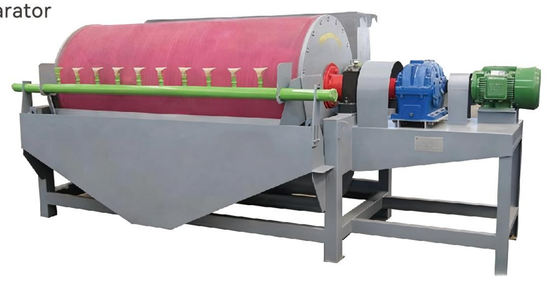




## 01 HPC型溢流槽式磁选机
HPC Type Overflow-tank Type Magnetic Separator

| HPC型溢流槽式磁选机 \| HPC Type Overflow-tank Type Magnetic Separator | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 溢流宽度 (mm) Overflow Width | 溢流长度 (mm) Overflow Length | 表面磁场强度 (T) Surface Magnetic Field Strength | 给料粒度 (mm) Feed Size | 给料浓度 (%) Feed Pulp Density | 处理能力 (T/台H) Processing Capacity | 电机功率 (kw) Moter Powe | 外形尺寸 (mm) Dimensions | 重量 (kg) Weigh |
| HPC-500×1200 | 500 | 1200 | 0.3 ~ 0.8 | <20 | 25 | 15 ~ 25 | 3 | 4000×700×1500 | 1200 |
| HPC-500×1600 | 500 | 1600 | 0.3 ~ 0.8 | <20 | 25 | 15 ~ 25 | 3 | 4500×700×1500 | 1500 |
| HPC-800×1600 | 800 | 1600 | 0.3 ~ 0.8 | <20 | 25 | 25 ~ 35 | 5 | 4500×1000×1600 | 1800 |

## 02 湿式弱磁场永磁筒式磁选机
Wet Low-intensity Permanent Magnetic Drum Separator



### 应用范围
APPLICATIONS

适用于磁性物料的湿式磁选；也用于非磁性物料的除去混杂的磁性矿物作业；以及选煤作业中的磁重介质回收；铁矿中低浓度矿浆的浓缩和磁铁矿物的富集；用于清除非金属矿中的铁磁性杂质；处理高梯度强磁机的给矿，清除其中的磁性或较弱磁性矿物及其连生体，防止磁介质堵塞。

Suitable for wet magnetic separation of magnetic materials; also used for removing mixed magnetic minerals from non-magnetic materials; recovery of magnetic heavy media in coal preparation operations; concentration of low-concentration slurry and enrichment of magnetite minerals in iron ore; elimination of ferromagnetic impurities in non-metallic ores; processing feed ore for high-gradient high-intensity magnetic separators to remove magnetic or weakly magnetic minerals and their intergrowths, preventing magnetic medium clogging.

### 工作原理
WORKING PRINCIPLE

矿浆经给矿箱入槽体，在给矿喷水管水流作用下松散进入给矿区。磁性矿粒在磁场中形成“磁团”或“磁链”，受磁力吸附于圆筒；随圆筒旋转时，因固定磁极交替产生磁搅拌，夹杂的脉石等非磁性矿物脱落。精矿随圆筒转至磁系边缘磁力弱处，经卸矿水管冲洗入精矿槽；非磁性或弱磁性矿物随矿浆排出，即为尾矿。

The slurry enters the tank through the feed box and is loosened by the water flow from the feed spray pipe before entering the feeding zone. Magnetic particles form "magnetic clusters" or "magnetic chains" in the magnetic field and are adsorbed onto the drum by magnetic force. As the drum rotates, the fixed magnetic poles alternately generate magnetic agitation, causing non-magnetic minerals such as gangue to detach. The concentrate rotates with the drum to the weak magnetic edge of the magnetic system and is washed into the concentrate tank by the discharge water pipe. Non-magnetic or weakly magnetic minerals are discharged with the slurry as tailings.

## 技术参数
TECHNICAL PARAMETERS

**湿式弱磁场永磁筒式磁选机 | Wet Low-intensity Permanent Magnetic Drum Separator**

| 型号 Model | 圆筒尺寸 (mm) Drum Size | 平均值 Average | 扫选区 Scavenging Zone | 中场强磁场 Medium-intensity Magnetic Field | 处理能力 Processing Capacity | | 电机功率 (kw) Motor Power | 筒体转速 (r/min) Drum Rotational Speed |
|---|---|---|---|---|---|---|---|---|
| | | | | | (t/h) | ($m^3$/h) | | |
| CTB-44 | 400×400 | 130 | 180 | 250-400 | 1-2 | 4-5 | 1.1 | 45 |
| CTB-46 | 400×600 | 130 | 180 | 250-400 | 2-3 | 5-10 | 1.1 | 45 |
| CTB-63 | 400×300 | 140 | 180 | 250-400 | 3-5 | 8-15 | 1.1 | 40 |
| CTB-66 | 400×600 | 140 | 180 | 250-400 | 5-10 | 10-30 | 1.1 | 40 |
| CTS-69/CTB-69 | 600×900 | 180 | 180 | 250-400 | 8-15 | 20-50 | 1.1 | 40 |
| CTS-612/CTB-612 | 600×1200 | 140 | 180 | 250-400 | 10-20 | 25-50 | 2.2 | 40 |
| CTS-618/CTB-618 | 600×1800 | 140 | 180 | 250-400 | 15-30 | 40-80 | 2.2 | 40 |
| CTS-712/CTB-712 | 750×1200 | 160 | 200 | 300-500 | 15-30 | 40-80 | 3 | 35 |
| CTS-718/CTB-718 | 750×1800 | 160 | 200 | 300-500 | 20-45 | 60-100 | 3 | 35 |
| CTS-918/CTB-91 | 900×1800 | 170 | 200 | 300-500 | 25-55 | 70-120 | 4 | 28 |
| CTB-924 | 900×2400 | 170 | 200 | 300-500 | 35-70 | 80-130 | 4 | 28 |
| CTS-1018/CTB-1018 | 1050×1800 | 180 | 220 | 300-700 | 40-75 | 110-160 | 5.5 | 22 |
| CTS-1021/CTB-1021 | 1050×2100 | 180 | 220 | 300-700 | 50-100 | 140-200 | 5.5 | 22 |
| CTS-1024/CTB-1024 | 1050×2400 | 180 | 220 | 300-700 | 80-120 | 170-280 | 5.5 | 22 |
| CTS-1030/CTB-1030 | 1050×3000 | 180 | 220 | 300-700 | 70-150 | 200-320 | 7.5 | 22 |
| CTS-1218/CTB-1218 | 1200×1800 | 180 | 220 | 300-700 | 60-110 | 160-230 | 5.5 | 19 |
| CTS-1224/CTB-1224 | 1200×2400 | 180 | 220 | 300-700 | 70-130 | 60-300 | 7.5 | 19 |
| CTS-1230/CTB-1230 | 1200×3000 | 180 | 220 | 300-700 | 80-160 | 250-400 | 7.5 | 19 |
| CTS-1530/CTB-1530 | 1500×3000 | 180 | 220 | 300-700 | 100-180 | 280-480 | 11 | 14 |
| CTS-1540/CTB-1540 | 1500×4000 | 180 | 220 | 300-700 | 115-220 | 300-540 | 11 | 14 |

# 03 CB型永磁筒式磁选机
CB Type Permanent Magnetic Drum Separator

**CB型永磁筒式磁选机 | CB Type Permanent Magnetic Drum Separator**

| 型号 Model | 筒体尺寸(直径×长度) (mm) Dimension (D×L) | 距筒表磁场强度 (千安/m) Magnetic Field Strength at Drum Surface | 给矿浓度 (%) Density of Feeding | 处理能力 (t/h) Capacity | 电机功率 (kw) Motor Power | 重量 (kg) Weight |
|---|---|---|---|---|---|---|
| CBB-600 (N/S) | 600×(600 ~ 1500) | 238 ~ 358千安/米 (3000~4500) Oe | 40% | 3 ~ 20 | 3.0 | 1.5 ~ 2.5 |
| CBB-750 (N/S) | 750×(900 ~ 1800) | | | 8 ~ 40 | 4.0 | 2.6 ~ 3.8 |
| CBB-900 (N/S) | 900×(1200 ~ 2100) | | | 20 ~ 60 | 4.0 | 3.5 ~ 4.5 |
| CBB-1050 (N/S) | 1050×(1200 ~ 2400) | | | 30 ~ 100 | 5.5 | 4 ~ 5.5 |





# 04 HL型永磁筒式磁选机
HL Type Permanent Magnetic Drum Separator

**HL型永磁筒式磁选机 | HL Type Permanent Magnetic Drum Separator**

| 型号 Model | 圆 筒 Drum | | | 表面磁场强度 (T) Surface Magnetic Field Strength | 给料浓度 (%) Feed Pulp Density | 工作间隙 (mm) Working Gap | 给料粒度 (mm) Feed Size | 干矿处理量 (T/台.H) Dry Processing Capacity | 处理能力 ($m^3$/台.H) Processing Capacity | 电机功率 (kw) Moter Powe | 外形尺寸 (mm) Dimensions | 重量 (kg) Weigh |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 直径 D (mm) | 长度 L (mm) | 转速(t/min) Rotation Speed | | | | | | | | | |
| HLC-750×1800 | 750 | 1800 | 35 | >0.17 | 25 | <55 | <1 | 30 ~ 50 | 100 ~ 180 | 3.0 | 3350×1780×1600 | 2700 |
| HLC-750×1500 | 750 | 1500 | 35 | >0.17 | 25 | <55 | <1 | 30 ~ 40 | 90 ~ 140 | 2.2 | 3060×1780×1600 | 2500 |
| HLC-750×1200 | 750 | 1200 | 35 | >0.17 | 25 | <55 | <1 | 20 ~ 30 | 70 ~ 140 | 2.2 | 2770×1780×1600 | 2300 |
| HLC-600×1800 | 600 | 1800 | 33 | >0.17 | 25 | <55 | <1 | 20 ~ 25 | 65 ~ 80 | 2.2 | 3150×1300×1250 | 1800 |
| HLC-600×1500 | 600 | 1500 | 33 | >0.17 | 25 | <55 | <1 | 15 ~ 20 | 60 ~ 70 | 2.2 | 2850×1300×1250 | 1600 |
| HLC-600×1200 | 600 | 1200 | 33 | >0.17 | 25 | <55 | <1 | 10 ~ 17 | 40 ~ 55 | 2.2 | 2550×1300×1250 | 1400 |
| HLC-600×900 | 600 | 900 | 33 | >0.17 | 20 | <55 | <1 | 10 ~ 12 | 30 ~ 40 | 1.5 | 2550×1300×1250 | 1200 |
| HLC-900×1800 | 900 | 1800 | 25 | >0.17 | 20 | <55 | <1 | 50 ~ 65 | 100 ~ 180 | 1.5 | 3428×1880×1600 | 4100 |
| HLC-400×300 | 400 | 300 | 25 | >0.17 | 20 | <55 | <1 | 2 ~ 5 | 2 ~ 5 | 1.1 | 600×900×1500 | 500 |
| HLC-1050×2400 | 1050 | 2400 | 20 | >0.17 | 30 | <55 | <1 | 70 ~ 90 | 220 ~ 300 | 5.5 | 4032×2175×1830 | 5100 |
| HLO-600×900 | 600 | 900 | 33 | 0.2 ~ 0.8 | 25 | <55 | <1 | | >50 | 1.5 | 2250×1300×1250 | 1200 |
| HLQ-750×1800 | 750 | 1800 | 33 | 0.2 ~ 0.8 | 25 | <55 | <1 | | >60 | 1.5 | 3150×3100×1250 | 2500 |
| HLQ-1050×2400 | 1050 | 2400 | 33 | 0.2 ~ 0.8 | 25 | <55 | <1 | | >90 | 1.5 | 4032×2175×1830 | 4800 |

# 05 TYG型永磁干式磁滚筒(磁滑轮)
Magnetic Separator With Permanent Magnetic Drum of TYG Series

**TYG型永磁干式磁滚筒(磁滑轮) | TYG Type Permanent Magnetic Dry Drum Separator (Magnetic Pulley)**

| 型号 Model | 筒体尺寸(D×L) (mm) Dimensions | 皮带宽度 (mm) Belt Width | 距筒表磁场强度 KA/m(Oe) Magnetic Field Strength at Drum Surface | | 许用扭矩 (kg/cm) Allowable Torque | 皮带速度 (m/s) Belt Speed | 给料粒度 (m) Feed Size | 处理能力 (t/h) Processing Capacity |
|---|---|---|---|---|---|---|---|---|
| | | | 0 (mm) | 50 (mm) | | | | |
| TYG40-A-1 | 400×500 | 400 | 119 ~ 239 (1500 ~ 3000) | 39.8 ~ 95.5 (500 ~ 1200) | 1000 | <1.2 | 10 ~ 40 | ~60 |
| TYG40-A-2 | 400×620 | 500 | | | | | | |
| TYG50-A-1 | 500×620 | 500 | | | 1300 | <1.2 | 10 ~ 45 | ~100 |
| TYG50-A-2 | 500×750 | 650 | | | | | | |
| TYG50-A-3 | 500×950 | 800 | | | | | | |
| TYG63-A-1 | 630×620 | 500 | | | | | | |
| TYG63-A-2 | 630×750 | 650 | | | | | | |
| TYG63-A-3 | 630×950 | 800 | | | | | | |
| TYG80-A-1 | 800×750 | 650 | 119 ~ 318 (1500 ~ 4000) | 63.6 ~ 143 (800 ~ 1800) | 55900 | <1.5 | 10 ~ 100 | 150~200 |
| TYG80-A-2 | 800×950 | 800 | | | | | | |
| TYG80-A-3 | 800×1150 | 1000 | | | | | | |

注：1、处理量可按平行运输皮带计。
2、本系列物料选别粒度是按铁矿石考虑，如用于除铁，粒度可放宽。

Note: 1.The Capacity Can Be Calculated Auording To The Straight Belt.
2.The Size Of Processing Is Auouding To The Iron Mineral If Used To Remove The Iron,It Can Be Widen.

# 06 磁选过滤机
Magnetic Filter Separator

**磁选过滤机 | Magnetic Filter Separator**

| 型号 Model | 过滤面积 ($m^2$) Filterate Area | 圆筒 Drum | | 真空计示压力(kpa) Vacuum Gauge Pressure | 需要鼓压力 ($kg/cm^2$) Required Drum Pressure | 给矿浓度 (%) Feed Density | 处理能力(t/h) Processing Capacity | | 电动机 Motor | | | 外形尺寸 (mm) Dimensions of the Outline | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 直径 D (mm) | 长度 L (mm) | | | | 磁选精矿 Magnetic Fine ore | 浮选精矿 Flotation Fine ore | 型号 Type | 功率 (kw) Powe | 转速 (r/min) Revolution | | |
| GYW-12M² 筒型外滤式 真空永磁过滤机 Drum-Type External filter Vacuum Permanent Magnetic Filter | 12 | 2000 | 2000 | 60 ~ 80 | 0.01~0.03 | >60 | 33 ~ 65 | — | Y112M-6 | 2.2 | 740 | 3210×2905×2550 | 5494 |
| GYW-20M² 筒型内滤式 永磁过滤机 Drum-Type Internal Filter Permanent Magnetic Filter | 20 | 3668 | 1920 | 60 ~ 80 | 0.3 | >50 | 15 ~ 30 | 6 ~ 12 | YD160M-8/6/4 | 3.3/4/5.5 | 720 960 1440 | 4028×3900×4050 | 12523 |
| GYW-20M² 筒型外滤式 永磁过滤机 Drum-Type External Filter Permanent Magnetic Filter | 20 | 2500 | 2650 | 450 ~ 600 | 0.2 ~ 0.4 | >60 | — | 8 | YD132M-8/4 | 3/4.5 | 740 1440 | 4480×4085×2890 | 10600 |
| GYW-12M² 筒型内滤式 永磁过滤机 Drum-Type Internal Filter Permanent Magnetic Filter | 12 | 2956 | 1370 | 450 ~ 600 | 0.3 | >50 | 9 ~ 18 | 3.7 ~ 7 | Y112M-6 | 2.2 | 940 | 2840×3176×3367 | 7571 |
| GYW-12M² 筒型外滤式 永磁过滤机 Drum-Type External Filter Permanent Magnetic Filter | 12 | 2000 | 2000 | 533 ~ 800 | 19.6~39.2 | >60 | — | 4.8 | YCT160-4A | 2.2 | 1250 ~ 125 | 3843×2892×2370 | 5200 |

# 07
# CTB（N . S )型永磁筒式磁选机
CTB (N, S) Type Permanent Magnetic Drum Separator

## 应用范围
APPLICATIONS

湿式选别细颗粒的强磁性矿物，或者除去非磁性矿物中混杂的强磁性矿物。

Wet separation of fine-grained strongly magnetic minerals, or removal of strongly magnetic minerals mixed in non-magnetic minerals.







## 优势特点
ADVANTAGES & FEATURES

·用于一段粗选，提高回收率，降低二段磨矿负荷。
·用于精选，可提高精矿品位和回收率。
·用于强磁作业前，清除给矿中的铁磁性矿物，可防止磁性堵塞。
·用于选煤厂回收铁性重介质。

· Used for first-stage roughing to increase recovery rate and reduce the load of second-stage grinding.
· Used for cleaning stage to improve concentrate grade and recovery rate.
· Used before high-intensity magnetic separation to remove ferromagnetic minerals from the feed and prevent magnetic blockage.
· Used in coal preparation plants to recover ferromagnetic heavy media.

## 工作原理
WORKING PRINCIPLE

其原理是当矿浆进入磁场区时，其中强磁性矿物被吸附在圆筒表面，弱磁性和非磁性矿物被甩掉排出，而吸附在圆筒表面上的强磁性矿物随圆筒旋转，被带出磁场区，用冲洗水冲入精矿槽中，完成分选作业。

The principle involves the adsorption of strongly magnetic minerals onto the drum surface when the slurry enters the magnetic field zone, while weakly magnetic and non-magnetic minerals are discarded and discharged. The strongly magnetic minerals adsorbed on the drum surface are carried out of the magnetic field zone as the drum rotates and are flushed into the concentrate tank with rinse water, completing the separation process.

## 技术参数
TECHNICAL PARAMETERS

**CTB（N . S )型永磁筒式磁选机 | CTB (N, S) Type Permanent Magnetic Drum Separator**

| 型号 Model | 圆筒尺寸 (筒径×筒长) (mm) Dimension (D×L) | 筒表面磁感应强度（mT） Magnetic Induction on Drum Surface | | | 处理能力 Processing Capacity | | 电机功率 (kw) Motor Power | 筒体转速 (r/min) Revolution |
|---|---|---|---|---|---|---|---|---|
| | | 磁极几何中心值 Pole Center Value | 扫选区平均值 Scavenging Zone Avg. | 最高磁感应强度 Max. Magnetic Induction | t/h | $m^3/h$ | | |
| CTB(N.S)-612 | 600×1200 | — | 145 | 170 | 10 ~ 20 | 32 | 2.2 | 40 |
| CTB(N.S)-618 | 600×1800 | — | 145 | 170 | 15 ~ 30 | 48 | 2.2 | 40 |
| CTB(N.S)-712 | 750×1200 | 120 | 155 | 180 | 15 ~ 30 | 48 | 3 | 35 |
| CTB(N.S)-718 | 750×1800 | 120 | 155 | 180 | 20 ~ 45 | 72 | 3 | 35 |
| CTB(N.S)-918 | 900×1800 | 148 | 165 | 190 | 25 ~ 55 | 90 | 4 | 28 |
| CTB(N.S)-924 | 900×2400 | 148 | 165 | 190 | 35 ~ 70 | 110 | 4 | 28 |
| CTB(N.S)-1018 | 1050×1800 | 148 | 165 | 190 | 40 ~ 75 | 120 | 5.5 | 22 |
| CTB(N.S)-1021 | 1050×2100 | 148 | 165 | 190 | 45 ~ 88 | 140 | 5.5 | 22 |
| CTB(N.S)-1021 | 1050×2100 | 160 | 240 | 280 | 45 ~ 88 | 140 | 5.5 | 22 |
| CTB(N.S)-1024 | 1050×2400 | 148 | 165 | 190 | 52 ~ 100 | 160 | 5.5 | 22 |
| CTB(N.S)-1024 | 1050×2400 | 160 | 240 | 280 | 52 ~ 100 | 160 | 5.5 | 22 |
| CTB(N.S)-1030 | 1050×3000 | 160 | 240 | 280 | 65 ~ 125 | 200 | 7.5 | 22 |
| CTB(N.S)-1218 | 1200×1800 | 148 | 165 | 190 | 47 ~ 90 | 140 | 5.5 | 19 |





# 搅拌槽
# AGITATION TANK



我公司专业提供覆盖全流程的搅拌设备，包括药剂、矿浆、高浓度、强力、缓冲、锥底、提升及擦洗型搅拌槽与砂磨机等。基于深厚的定制研发能力，我们成功开发出多种高效专用叶轮，并获得国家专利。有效解决了非金属矿磨损沉降等行业难题。这些创新成果显著提升了产品的适用性、附加值与可靠性，并获得了客户的高度认可。

Our company specializes in delivering a comprehensive range of agitation equipment covering the entire process flow, including reagent, slurry, high-density, intensive, buffer, cone-bottom, lifting, and scrubbing agitation tanks as well as sand mills. Based on the profound customized R&D capabilities, we have successfully developed a variety of high-efficiency specialized impellers, which have been granted national patents. These innovations effectively address industry challenges such as wear and sedimentation in non-metallic minerals, thus significantly improving the product applicability, added value, and reliability, earning high recognition from our clients.





# 01

## 高浓度搅拌槽
High-Concentration Agitation Tank




### 应用范围
APPLICATIONS

适用于水、砂和水泥的混合搅拌,也可用于其他高浓度浆料的搅拌,矿山、化工、建筑施工等部门均可使用。

Suitable for mixing water, sand and cement, and can also be used for mixing other high-concentration slurries. It is applicable to sectors such as mining, chemical industry and construction.

### 优势特点
ADVANTAGES & FEATURES

·结构简单，检修操作方便；
·搅拌叶轮具有耐磨、耐腐蚀能力；
·搅拌介质浓度可高达75%。

· Simple structure, convenient maintenance and operation;
·The mixing impeller has wear-resistant and corrosion-resistant properties;
·The concentration of the mixing medium can be as high as 75%.

### 工作原理
WORKING PRINCIPLE

浆料从转动着的叶轮获得能量,受上、下螺旋方向相反的叶轮作用,形成两股相对流动的矿流,互相冲击、搅拌而使浆料混合均匀。

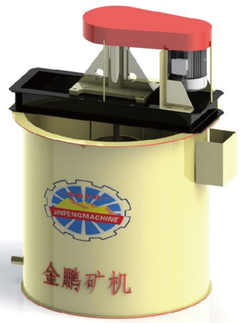
The slurry obtains energy from the rotating impeller. Under the action of the upper and lower impellers with opposite spiral directions, two relatively flowing ore streams are formed, which collide and stir with each other to achieve uniform mixing of the slurry.

### 技术参数
TECHNICAL PARAMETERS

| 高浓度搅拌槽 \| High-Concentration Agitation Tank | | | | | | |
|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 电动机型号 Motor Typ | 电动机功率 (kw) Motor Power | 总重 (kg) Total Weight |
| BJN-1000×1000 | 0.58 | 530 | 400 | Y132M2-6 | 5.5 | 1700 |
| BJN-1500×1500 | 2.25 | 280 | 500 | Y180L-6 | 15 | 2210 |
| BJN-2000×2000 | 5.8 | 250 | 650 | Y200L2-6 | 22 | 2985 |
| BJN-3000×3000 | 19.1 | 210 | 700 | Y225M-8 | 30 | 4660 |
| BJN-3500×3500 | 30 | 194 | 850 | Y250M-8 | 37 | 5639 |
| BJN-4000×4000 | 46 | 121.6 | 1000 | Y280S-8-B3 | 45 | 8156 |

# 02

## 普通搅拌槽
Normal Agitation Tank




### 应用范围
APPLICATIONS

矿山、化工、建材行业料浆搅拌及氰化工厂、污水处理厂。

Slurry mixing in mining, chemical, and building materials industries, as well as cyanide chemical plants and sewage treatment plants.

### 优势特点
ADVANTAGES & FEATURES

·叶轮直径大，矿浆和药物搅拌能力强；
·叶轮线速度大，矿浆和药物搅拌能力强；
·搅拌能力的增强，使矿浆和药物循环能力也得到加强。

· Large impeller diameter, enabling strong stirring capacity for slurry and chemicals;
·High impeller linear speed, resulting in strong stirring capacity for slurry and chemicals;
·Enhanced stirring capacity further strengthens the circulation capacity of slurry and chemicals.

### 工作原理
WORKING PRINCIPLE

该矿用搅拌桶工作时，在叶轮的旋转作用下，矿浆和药剂产生大、小循环运动，从而使整个槽内的矿浆、药剂达到均匀混合，混匀的悬浮液由溢流口排除。

When this mining mixing tank is in operation, under the rotating action of the impeller, the slurry and chemicals produce large and small circular motions. This ensures that the slurry and chemicals in the entire tank achieve uniform mixing, and the well-mixed suspension is discharged through the overflow port.

### 技术参数
TECHNICAL PARAMETERS

**普通搅拌槽 | Normal Agitation Tank**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 电动机型号 Motor Type | 电动机功率 (kw) Motor Power | 总重 (kg) Total Weight |
|---|---|---|---|---|---|---|
| BJ-500×500 | 0.074 | 525 | 240 | Y802-4 | 0.75 | 162 |
| BJ-750×750 | 0.25 | 530 | 240 | Y100L-6 | 1.5 | 305 |
| BJ-1000×1000 | 0.58 | 513 | 230 | Y90L-4 | 1.5 | 680 |
| BJ-1250×1250 | 1.4 | 401 | 380 | Y100L1-4 | 2.2 | 1008 |
| BJ-1500×1500 | 2.1 | 332 | 380 | Y132M1-6 | 4 | 1310 |
| BJ-1600×1600 | 2.56 | 332 | 380 | Y132M2-6 | 5.5 | 1630 |
| BJ-2000×2000 | 5.46 | 305 | 550 | Y160M-6 | 7.5 | 1900 |
| BJ-2000×2500 | 5.97 | 285 | 630 | Y160M-6 | 7.5 | 2360 |
| BJ-2500×2500 | 10 | 285 | 630 | Y160L-6 | 11 | 2766 |
| BJ-3000×3000 | 19.1 | 200 | 800 | Y225M-8 | 22 | 4808 |
| BJ-3500×3500 | 29.5 | 190 | 800 | Y225M-8 | 22 | 5580 |
| BJ-3550×4000 | 35 | 194 | 850 | Y250M-8 | 30 | 5939 |
| BJ-4000×4000 | 46 | 210 | 1000 | Y280S-8 | 37 | 8036 |





# 03

## 药用搅拌槽
Chemical Agitation Tank




### 应用范围
APPLICATIONS

用于浮选作业前的各种药剂制备作业。

Used for various reagent preparation operations before flotation.

### 优势特点
ADVANTAGES & FEATURES

·有效容积覆盖 0.0074-46$m^3$，适配不同规模药剂搅拌需求；
·具备生产效率高、节能效果好、运转状态稳定、后期维修便捷的特点，降低生产与运维成本；
·搅拌槽叶轮外包耐腐蚀橡胶，能有效抵御药剂腐蚀，延长设备使用寿命。

·The effective volume covers 0.0074-46$m^3$, adapting to reagent stirring needs of different scales;
·It characterized by high production efficiency, good energy-saving effect, stable operation state and convenient later maintenance, reducing production and operation costs;
·The impeller of the stirring tank is covered with corrosion-resistance rubber, which can effectively resist reagent corrosion and prolong the service life of the equipment;

### 工作原理
WORKING PRINCIPLE

采用平底桶形辐射循环螺旋叶轮机械搅拌式方法进行搅拌作业。搅拌槽工作时电动机牵引三角带传动装置带动叶轮旋转，药剂在叶轮的匀速转动下均匀混合，为下一阶段矿浆与药剂的混合做好必要的准备。

A flat-bottom bottom-bottom-bottom bucket-shaped radiant circulation spiral screw impeller mechanical stirring method is adopted for stirring operation. When the stirring tank is working, the motor drives the V-belt transmission device to rotate the impeller. The reagents are evenly mixed under the uniform rotation of the impeller, making necessary preparations for the mixing of slurry and reagents in the next stage.

### 技术参数
TECHNICAL PARAMETERS

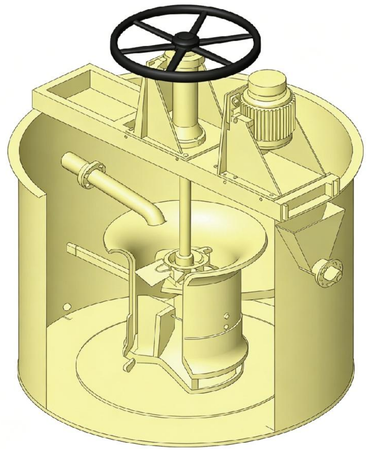
**药用搅拌槽 | Chemical Agitation Tank**

| 型号 Model | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 电动机型号 Motor Type | 电动机功率 (kw) Motor Power | 总重 (kg) Total Weight |
|---|---|---|---|---|---|---|
| BJW-500×500 | 0.074 | 525 | 240 | Y802-4 | 0.75 | 142 |
| BJW-500×600 | 0.094 | 525 | 240 | Y802-4 | 0.75 | 210 |
| BJW-750×750 | 0.25 | 530 | 240 | Y100L-6 | 1.5 | 280 |
| BJW-1000×1000 | 0.58 | 513 | 230 | Y90L-4 | 1.5 | 420 |
| BJW-1250×1250 | 1.4 | 401 | 380 | Y100L1-4 | 2.2 | 973 |
| BJW-1500×1500 | 2.2 | 320 | 380 | Y132M1-6 | 4 | 1265 |
| BJW-1600×1600 | 2.56 | 332 | 380 | Y132M2-6 | 5.5 | 1530 |
| BJW-2000×2000 | 5.46 | 233 | 550 | Y132M2-6 | 5.5 | 1850 |
| BJW-2500×2500 | 11.2 | 285 | 630 | Y160L-6 | 11 | 2681 |
| BJW-3000×3000 | 17.5 | 200 | 800 | Y225M-8 | 22 | 4620 |
| BJW-3500×3500 | 29.5 | 190 | 800 | Y225M-8 | 22 | 5380 |
| BJW-4000×4000 | 46 | 200 | 1000 | Y250M-8 | 30 | 7850 |

# 04

# 高效搅拌槽

High Efficiency Agitation Tank



## 应用范围

APPLICATIONS

矿山、化工建材、氰化工厂、污水处理厂、选煤厂等工业部门。

It is applicable to industrial sectors such as mines, chemical building materials, cyanide chemical plants, sewage treatment plants, and coal preparation plants.

## 优势特点

ADVANTAGES & FEATURES

·叶轮直径加大，线速度加大，使矿浆和药物搅拌能力增强；
·叶轮设计成伞型叶轮，使矿浆和药物搅拌能力增强，循环能力也得到加强；
·槽中带有一个导流体，叶轮位于导流体中，搅拌能力的增强，使矿浆运转产生的负压大，而导流体又将负压缩小在有限空间内，从而加速了对矿浆和药物的抽吸能力，使矿浆和药物循环能力进一步加强；
·伞型叶轮在运转过程中有一个向下压力，从而又加速了矿浆的抽吸能力，使矿浆和药物的循环能力又得到加强；
·导流体下部设有喷射体，矿浆和药物进入其中，循环能力更进一步得到了加强。矿浆和药物的充分搅拌和循环，使矿物表面充分药剂化，有利于浮选。

· Diameter of impeller is increased,so the peripheral speed of the impeller is increased,agitating ability to pulp and chemicals is improved.
· The impeller is designed into a pileus type.Agitating and cycling ability to pulp and chemicals is improved.
· There equipped with a duck and the impeller is in it.The improvement of the agitation ability increased the negative pressure caused by slurry movement,which is confined to a limited space by the duct.Reinforcing the sucking ability for slurry and chemical and further strengthening the circulating effect of the slurry and chemical.
· The pileus impeller produces a downward pressure during running.So that the sucking force is reinforced again,and then the circulating effect of the slurry and chemical is strengthened as well.
·Beneath the duct jets are arranged,which is also helpful to the circulating.Complete agitation and circulating of the slurry and chemical have the mineral surface to be fully contacted with chemical,being benefit to flotation only mineral surface is 100% reagent-contacted high recovery is guaranteed.

## 工作原理

WORKING PRINCIPLE

浆料从转动着的叶轮获得能量,受上、下螺旋方向相反的叶轮作用,形成两股相对流动的矿流,互相冲击、搅拌而使浆料混合均匀。

The slurry obtains energy from the rotating impeller. Under the action of the upper and lower impellers with opposite spiral directions, two relatively flowing ore streams are formed, which collide and stir with each other to achieve uniform mixing of the slurry.





## 技术参数

TECHNICAL PARAMETERS

| 高效搅拌槽 \| High Efficiency Agitation Tank | | | | | | |
|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 电动机型号 Motor Type | 电动机功率 (kw) Motor Power | 总重 (kg) Total Weight |
| GBJ-1000×1000 | 0.58 | 530 | 240 | Y112M-6 | 2.2 | 1548 |
| GBJ-1250×1250 | 1.4 | 350 | 240 | Y100L2-4 | 3 | 1808 |
| GBJ-1500×1500 | 2.2 | 320 | 420 | Y132M2-6 | 5.5 | 2207 |
| GBJ-2000×2000 | 4.4 | 240 | 560 | Y160L-6 | 11 | 3150 |
| GBJ-2500×2500 | 11.2 | 271 | 560 | Y180L-6 | 15 | 3943 |
| GBJ-3000×3000 | 19.1 | 240 | 700 | Y225S-8 | 18.5 | 6320 |
| GBJ-4000×4000 | 37 | 180 | 900 | Y280S-6 | 45 | 9560 |

# 05

# 酸洗槽

Acid Washing Tank



## 应用范围

APPLICATIONS

满足酸洗，电镀，电解等反应槽的工况工艺要求。

Meets the process requirements of reaction tanks for pickling, electroplating, electrolysis, etc.

## 优势特点

ADVANTAGES & FEATURES

·耐酸、耐碱、耐化学腐蚀；
·除氧化皮速度快、效率高，对金属基体的腐蚀小、缓蚀率高；
·清洗操作过程中没有酸雾产生，大大改善生产环境。

· Resistant to acid, alkali and chemical corrosion;
· Fast and efficient in removing oxide scale, with little corrosion to the metal matrix and high corrosion inhibition rate;
· No acid fog is generated during the cleaning operation, which greatly improves the production environment.

## 技术参数

TECHNICAL PARAMETERS

| 酸洗槽 \| Acid Washing Tank | | | | | |
|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 电动机型号 Motor Type | 电动机功率 (kw) Motor Power |
| BJS-1000×1000 | 0.86 | 513 | 240 | Y90L-4 | 1.1 |
| BJS-1250×1250 | 1.3 | 492 | 310 | Y100L1-4 | 2.2 |
| BJS-1300×1600 | 1.55 | 320 | 400 | Y132S-6 | 3 |
| BJS-1500×1500 | 1.83 | 320 | 400 | Y132S-6 | 3 |

# 06

## 锥底搅拌槽
Cone-Bottomed Agitation Tank




### 应用范围
APPLICATIONS

选矿厂等其他工业场所。
Mineral processing plants and other industrial sites.

### 优势特点
ADVANTAGES & FEATURES

·搅拌均匀，排矿能力高；
·通过叶轮在槽内旋转带动矿浆流动，使矿粒与药剂充分接触，生产效率高、节能、运转稳定、维修方便。

· Achieves uniform mixing and has high ore discharge capacity;
· The impeller rotates in the tank to drive the flow of slurry, enabling full contact between ore particles and reagents. It features high production efficiency, energy saving, stable operation and convenient maintenance.

### 工作原理
WORKING PRINCIPLE

叶轮的旋转是由电动机通过皮带轮、三角带而得到叶轮的旋转使矿粒与药剂充分接触。

The impeller is driven to rotate by the motor via the belt pulley and V-belt. This rotation ensures full contact between ore particles and reagents.

### 技术参数
TECHNICAL PARAMETERS

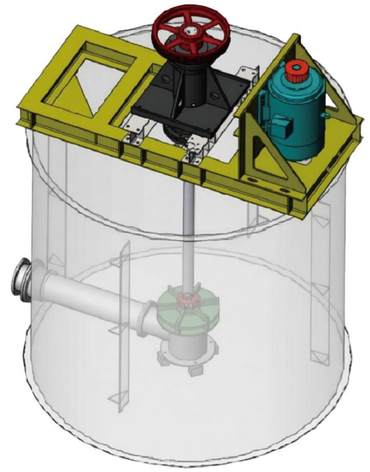
| 锥底搅拌槽 \| Conical-Bottom Agitation Tank | | | | | | |
|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 电动机型号 Motor Type | 电动机功率 (kw) Motor Power | 总重 (kg) Total Weight |
| BJZ-750×750 | 0.58 | 530 | 400 | Y132M2-6 | 5.5 | 1700 |
| BJZ-1000×1000 | 2.25 | 280 | 500 | Y180L-6 | 15 | 2210 |
| BJZ-1500×1500 | 5.8 | 250 | 650 | Y200L2-6 | 22 | 2985 |
| BJZ-2000×2000 | 19.1 | 210 | 700 | Y225M-8 | 30 | 4660 |
| BJZ-2500×2500 | 30 | 194 | 850 | Y250M-8 | 37 | 5639 |
| BJZ-3000×3000 | 46 | 121.6 | 1000 | Y280S-8-B3 | 45 | 8156 |





# 07

## 提升搅拌槽
Lifing Agitation Tank



### 应用范围
APPLICATIONS

矿山、化工、建材行业料浆搅拌及氰化工厂、污水处理厂等工业部门。
Slurry mixing in mining, chemical, and building materials industries, as well as industrial sectors such as cyanide chemical plants and sewage treatment plants.

### 优势特点
ADVANTAGES & FEATURES

使矿浆和药剂搅拌均匀，又起着砂泵、水泵的作用，将矿浆提升溢流。

It can not only uniformly mix slurry and reagents but also function as a sand pump and water pump to lift and overflow the slurry.

### 工作原理
WORKING PRINCIPLE

电动机经皮带、叶轮轴带动叶轮旋转，使矿浆与浮选药剂在叶轮离心力和升力作用下于槽内循环以实现药剂均匀分布，提升搅拌槽的叶轮还能在搅拌矿浆时借自身离心力从下方进浆口吸入并甩出矿浆，从而达到提升矿浆的目的。

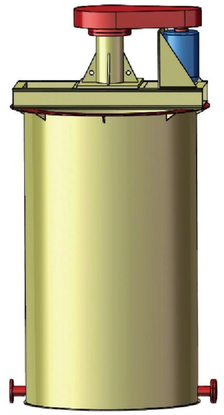
The motor drives the impeller to rotate through the belt and impeller shaft, making the slurry and flotation reagents circulate in the tank under the action of the impeller's centrifugal force and lift force to achieve uniform distribution of reagents. The lifting impeller of the mixing tank can also suck in and lift the slurry from the lower slurry inlet by its own centrifugal force while mixing the slurry, thereby achieving the purpose of lifting the slurry.

### 技术参数
TECHNICAL PARAMETERS

| 提升搅拌槽 \| Lifing Agitation Tank | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 型号 Model | 槽深 Chute Depth | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 提升高度 Lifting Height | 电动机型号 Motor Type | 电动机功率 (kw) Motor Power | 总重 (kg) Total Weight |
| TBJ-1000 | 1439 | 0.9 | 500 | 350 | 980 | Y132M2-6 | 5.5 | 765 |
| TBJ-1250 | 1682 | 1.4 | 460 | 350 | 1220 | Y132M2-6 | 5.5 | 975 |
| TBJ-1500 | 1850 | 2.8 | 464 | 450 | 1470 | Y160L-6 | 11 | 1110 |
| TBJ-2000 | 2000 | 5.8 | 312 | 550 | 1570 | Y180L-6 | 15 | 3122 |
| TBJ-2500 | 2500 | 11.5 | 310 | 600 | 2070 | Y225M-8 | 22 | 3760 |
| TBJ-3150 | 3150 | 20.5 | 258 | 750 | 2300 | Y250M-6 | 37 | 6339 |

# 08

# 絮凝剂混合槽
Flocculent Mixing Tank



## 应用范围
APPLICATIONS

絮凝剂搅拌机械。

Flocculant mixing machinery.

## 优势特点
ADVANTAGES & FEATURES

·搅拌的过程中不结块，不沉淀；
·轴和叶轮采用的是不锈钢的材质，也可以根据客户的要求定制。

·No caking or sedimentation occurs during the mixing process;
·The shaft and impeller are made of stainless steel, and customization is also available according to customer requirements.

## 工作原理
WORKING PRINCIPLE

通过叶轮在槽内旋转带动矿浆流动，使药液充分混合。

The impeller rotates in the tank to drive the flow of slurry, ensuring full mixing of the chemical solution.

## 技术参数
TECHNICAL PARAMETERS

| 絮凝剂混合槽 \| Flocculant Mixing Tank | | | | | | |
|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^3$) Effective Volume | 叶轮转速 (R.P.M) Impeller speed | 叶轮直径 (mm) Lmpeller Diameter | 电动机型号 Motor Type | 电动机功率 (kw) Motor Power | 总重 (kg) Total Weight |
| XBJ-1000×1750 | 0.58 | | 310 | | | |
| XBJ-1500×1500 | 2.2 | 320 | 400 | Y132S-6 | 3 | 1260 |
| XBJ-2000×2000 | 5.46 | 230 | 550 | Y132M2-6 | 5.5 | 2000 |





# 黄金选矿氰化专用设备
# GOLD CYANIDATION EQUIPMENT



金鹏的黄金氰化专用设备覆盖全流程：高效浸出槽、浓密机、脱氧塔及锌粉添加装置。并配套自动化加药与解吸电解系统，全套设备协同作业，助您实现黄金资源的最大化回收。

Jinpeng's gold cyanidation equipment covers the entire process: efficient leaching tanks, thickeners, deoxidation columns, and zinc powder addition units. It is complemented by automated dosing and desorption electrolysis systems, with the full set of equipment working in synergy to help you maximize the recovery of gold resources.

# 炭浆法选金工艺CIP & CIL Carbon-in-Pulp Gold Extraction Process



## 炭浸工艺（CIL）
Carbon-in-Leach (CIL)

炭浸工艺（CIL）是边浸出边吸附，浸出作业和吸附作业合而为一，使矿浆液相中的金含量始终维持在最低的水平，有利于加速金银的氰化浸出过程。因此，炭浸工艺总的作业时间较短，生产周期较短，基建投资和厂房面积均较小，生产过程滞留的金银量较小，资金积压较轻。

In the Carbon-in-Leach (CIL) process, leaching and adsorption occur simultaneously, combining the two operations into one. This keeps the gold content in the pulp liquid phase consistently at a minimum level, which is conducive to accelerating the cyanide leaching of gold and silver. As a result, the CIL process features a shorter overall operating time, a shorter production cycle, lower capital investment, smaller plant footprint, reduced in-process gold and silver inventory, and less capital tied up.

## 炭浆法（CIP）
Carbon-in-Pulp (CIP)

炭浆法（CIP）的氰化浸出和炭的吸附分别进行，所以需分别配置单独的浸出和吸附设备，而且氰化浸出时间比炭的吸附时间长得多，浸出和吸附的总时间长，基建投资高，占用厂房面积大。由于生产周期长，生产过程中滞留的金银量较大，资金积压较严重。

In the Carbon-in-Pulp (CIP) process, cyanide leaching and carbon adsorption are carried out separately, requiring dedicated leaching and adsorption equipment respectively. Moreover, the cyanide leaching time is considerably longer than the carbon adsorption time, resulting in a long combined duration for leaching and adsorption, high capital investment, and a large plant area requirement. Due to the long production cycle, the quantity of gold and silver retained in the process is significant, leading to a relatively heavy burden of tied-up capital.

炭浆法选金工艺（CIP法和CIL法）就是将活性炭放入氰化矿浆中，将已溶解的金吸附在活性炭上，再从活性炭上提取金，主要包括浸出原料制备、搅拌浸出与逆流炭吸附、载金炭解吸电解、熔炼制锭、炭再生等作业。

The carbon-in-pulp gold extraction processes (CIP and CIL) involve adding activated carbon into cyanide pulp to adsorb dissolved gold onto the activated carbon, from which the gold is subsequently recovered. The main operations include leaching feed preparation, agitation leaching and countercurrent carbon adsorption, loaded carbon desorption and electrowinning, smelting and bullion casting, and carbon regeneration.





# 01

# 氰化设备
Cyanidation Equipment



## 双叶轮浸出搅拌槽
Double-Impeller Leaching Agitation Tank

### 应用范围
APPLICATIONS

适用于比重小、粘度低、沉降速度慢、矿石粒度在-200目占90%以上，矿浆浓度小于45%的黄金浸出、吸附及其它混合作业中。

Suitable for gold leaching, adsorption, and other mixing operations where the specific gravity is low, viscosity is minimal, sedimentation speed is slow, ore particle size is -200 mesh accounting for over 90%, and pulp concentration is less than 45%.

### 优势特点
ADVANTAGES & FEATURES

·采用四周充气管或中空轴通气至槽底，实现气体均匀分散，气泡小。
·配备大直径新型衬胶叶轮，转速低且使用寿命长。
·精准把控搅拌强度，确保槽内物料浓度、细度分布均匀，提升氰化进出率与碳吸附率。
·优化充气、空气提碳、隔碳系统，实现矿流平稳、矿浆均匀混合，降低动力消耗与碳磨损；设备结构紧凑、维修便捷。
·最大规格浸出槽直径超 10 米，且持续优化结构与性能。

·Utilizes peripheral air pipes or central hollow shaft aeration to the tank bottom, achieving uniform gas dispersion with fine bubbles.
·Equipped with large-diameter new rubber-lined impellers, featuring low rotational speed and long service life.
·Precise control of stirring intensity ensures uniform distribution of material concentration and fineness in the tank, enhancing cyanidation efficiency and carbon adsorption rate.
·Optimized aeration, utetheisa kong carbon lifting, and carbon separation systems ensure smooth ore flow and uniform pulp mixing, reducing power consumption and carbon abrasion; The equipment features a compact broussonetia papyrifera structure for easy maintenance.
·The largest leaching tank diameter exceeds 10 meters, with continuous optimization of the structure and performance.






## 工作原理
WORKING PRINCIPLE

矿浆在双叶轮的拖动与搅拌作用下，在中心由上至下流动，经周边的阻尼板进行扩散，在轴的下端给入空气，与矿浆进行混合并向上循环，形成均匀的悬浮混合液。

Under the driving and stirring action of dual impellers, the pulp flows downward from the center, diffuses through peripheral damping plates, and mixes with utetheisa kong gas introduced at the lower end of the shaft, circulating upward to form a uniformly suspended mixture.

## 技术参数
TECHNICAL PARAMETERS

**双叶轮浸出搅拌槽 | Double-Impeller Leaching Agitation Tank**

| 型号 Model | 槽体规格 (mm) Size of the Tank 直径×高度 D×L | 有效容积 ($m^3$) Effective Volume | 叶轮 Lmpeller | | 直径 Diameter | | 硬齿面减速器 Gearmotors | | | 槽体重 (不包括大梁) (kg) Chute Weight (excluding girder) | 总重量 (kg) Total Weigh |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 转速 (R.P.M) Revolution | 直径 (mm) Diameter | 给矿管 (mm) Feeder Pipe | 排矿管 (mm) Discharge Pipe | 型号 Type | 速比 Speed Ratio | 配用电机功率(kw) Motor Power | | |
| SJ2.0×2.5 | 2000×2500 | 6 | 66 | 909 | 2—ϕ133×8 | 2—ϕ133×8 | RF78-2.2-21.43 | 21.43 | 2.2 | 1150 | 2144 |
| SJ2.5×3.15 | 2500×3150 | 13.14 | 61 | 935 | 2—ϕ133×8 | 2—ϕ133×8 | RF78-2.2-23.37 | 23.37 | | 2242 | 3095 |
| SJ3.0×3.0 | 3000×3000 | 18 | 45 | 1130 | 2—ϕ150 | 2—ϕ150 | RF98-4-32.22 | 32.22 | 4 | 2802 | 4215 |
| SJ3×3.15 | 3000×3150 | 19 | 45 | 1130 | 2—ϕ150 | 2—ϕ150 | | | | 3331 | 4850 |
| SJ3.15×3.55 | 3150×3550 | 24 | 45 | 1260 | 2—ϕ150 | 2—ϕ150 | | | | 3391 | 5060 |
| SJ3.5×3.5 | 3500×3500 | 30 | 45 | 1310 | 2—ϕ150 | 2—ϕ150 | RF98-5.5-32.22 | 32.22 | 5.5 | 4286 | 5760 |
| SJ3.5×4.0 | 3500×4000 | 32.7 | 45 | 1310 | 2—ϕ150 | 2—ϕ150 | | | | 4679 | 6160 |
| SJ3.55×4.0 | 3550×4000 | 33.6 | 45 | 1310 | 2-ϕ150 | 2—ϕ150 | | | | 4879 | 6360 |
| SJ3.7×4.2 | 3700×4200 | 38.4 | 45 | 1310 | 2—ϕ150 | 2—ϕ150 | | | | 5058 | 6580 |
| SJ4.0×4.0 | 4000×4000 | 38 | 37 | 1750 | 2—ϕ159×8 | 2—ϕ159×8 | RF108-7.5-39.88 | 39.88 | 7.5 | 6056 | 7450 |
| SJ4.0×4.5 | 4000×4500 | 48 | 37 | 1750 | 2—ϕ159×8 | 2—ϕ159×8 | | | | 7200 | 9778 |
| SJ4.5×5.0 | 4500×5000 | 72 | 37 | 1750 | 2—ϕ159×8 | 2—ϕ159×8 | | | | 8424 | 10864 |
| SJ5.0×5.6 | 5000×5600 | 98 | 29 | 2046 | 2—ϕ159×8 | 2—ϕ159×8 | RF138-11-50.86 | 50.86 | 11 | 10603 | 15050 |
| SJ5.5×6.0 | 5500×6000 | 112 | 29 | 2100 | 2-ϕ159×8 | 2—ϕ159×8 | | | | 14209 | 18745 |
| ϕ6×6.5 | 6000×6500 | 167 | 28 | 2200 | 2—ϕ159×8 | 2—ϕ159×8 | RF148-18.5-52.87 | 52.87 | 18.5 | 16164 | 21035 |
| ϕ6.5×7 | 6500×7000 | 215 | 28 | 2400 | 2—ϕ219×8 | 2—ϕ219×8 | Y200L2-6 | 35.5 | 22 | 17190 | 25567 |
| ϕ7.0×7.5 | 7000×7500 | 270 | 28 | 2400 | 2—ϕ219×8 | 2—ϕ219×8 | | | | 22091 | 30486 |
| SJ7.5×8.0 | 7500×8000 | 353 | 22 | 2900 | 2—ϕ219×8 | 2—ϕ219×8 | | 45 | | 26958 | 34365 |
| SJ8.0×8.5 | 8000×8500 | 400 | 17.9 | 3500 | 2—ϕ245×8 | 2—ϕ245×8 | Y225M-6 | 56 | 30 | 33489 | 43015 |
| ϕ8.5×9 | 8500×9000 | 500 | 17.9 | 3500 | 2—ϕ245×8 | 2—ϕ245×8 | Y250M-6 | 56 | 37 | 36696 | 46623 |
| ϕ9×9.5 | 9000×9500 | 580 | 15.9 | 3900 | 2—ϕ325×8 | 2—ϕ325×8 | Y250M-6 | 63 | 37 | 40780 | 58100 |
| ϕ9.5×10 | 9500×10000 | 650 | 15.9 | 3900 | 2—ϕ325×8 | 2—ϕ325×8 | Y280S-6 | 63 | 45 | 46261 | 64735 |
| ϕ10.5×11 | 10500×11000 | 900 | 15.9 | 4400 | 2—ϕ377×8 | 2—ϕ377×8 | Y280M-6 | 63 | 55 | 56888 | 75500 |
| ϕ11.5×12 | 11500×12000 | 1200 | 13.4 | 4600 | 2—ϕ377×8 | 2—ϕ377×8 | Y315M-8 | 55 | 75 | 73500 | 98100 |
| ϕ12×13 | 12000×13000 | 1400 | 13.4 | 4600 | 2—ϕ377×8 | 2—ϕ377×8 | Y315L1-8 | 56 | 90 | 88418 | 120635 |
| ϕ13×14 | 13000×14000 | 1740 | 12.5 | 5000 | 2—ϕ377×8 | 2—ϕ377×8 | Y315M-6 | 80 | 90 | 113669 | 150060 |
| ϕ14×15 | 14000×15000 | 2150 | 15.9 | 5400 | 2—ϕ377×8 | 2—ϕ377×8 | Y315M-6 | 63 | 90 | 122541 | 156751 |
| ϕ15×16.5 | 15000×16500 | 2730 | 13.7 | 5900 | 2—ϕ426×10 | 2—ϕ426×10 | Y315M-6 | 72.29 | 90 | 140137 | 170747 |
| ϕ18×18.5 | 18000×16800 | 4400 | 13.7 | 6600 | 2—ϕ480×12 | 2—ϕ480×12 | Y355M1-6 | 72.85 | 160 | 206528 | 245340 |





## 空气提升器
Air Lift Pipe

**空气提升器 | Air Lift Pipe**

| 型号 Model | 吸炭管规格 (mm) Suction Pipe | 空气管规格 (mm) Air Pipe | 应用范围（具体结合工艺） Applied Range（Depending on specific process） |
|---|---|---|---|
| KT60 | 50 | 20 | SJ2.5×3.15,SJ3×3.15,SJ3×3.5,SJ3.15×3.55,SJ3.55×4 |
| KT80 | ϕ110×5 | ϕ48×4 | SJ4×4.5,SJ4.5×5,SJ5×5.6,SJ5.5×6 |
| KT100 | | | |
| KT150 | ϕ168×5 | ϕ48×4 | SJ6×6.5,SJ7×7.5,SJ7.5×8,SJ8×8.5,SJ8.5×9.0 |
| KT200 | ϕ219×8 | ϕ60×5 | SJ9.5X10,SJ10X10.5,SJ |
| KT250 | ϕ273×8 | ϕ76×5 | SJ11X11.5,SJ11.5X12,SJ12X13,SJ13X14 |

注：吸炭管和空气管的长度因所配浸出槽的规格而异。
Note:The Length Of Suction Pipe And Air Pipe Maybe Different According To Diffenent Size Of Leaching Tank.

## 提炭泵
Carbon-Lifting Pump

**提炭泵 | Carbon-Lifting Pump**

| 型号 Model | 扬程 (m) Lifting | 流量 ($m^3$/h) Flow | 主轴转速 (R.P.M) Main Shaft Revolution | 排出管径 (mm) Discharge Outlet | 电机型号 Motor Type | 电机功率 (kw) Motor Power | 重量 (kg) Weight | 备 注 Remark |
|---|---|---|---|---|---|---|---|---|
| TB-3 | 3 | 5.76 | 516 | 50 | Y100L1-4 | 2.2 | 630 | 50I型 |
| TB-7 | 7 | | 817 | | Y112M-4 | 4 | 640 | 50II型 |

## 隔炭筛
Interstage Screen

**隔炭筛 | Interstage Screen**

| 型号 Model | 筛框直径 (mm) Diameter of the Frame | 筛架长 (mm) Frame Length | 筛孔规格 (目) Hole Size（Hde） | 重量 (kg) Weight |
|---|---|---|---|---|
| SY300 | 300 | 1000 | 28-30 | 20 |
| SY500 | 500 | | | 35 |
| SY800 | 800 | 1500 | | 80 |

## 动力隔炭筛
Power-Driven Interstage Carbon Retention Screen



### 应用范围
APPLICATIONS

作为炭浆（浸）法提金工艺中的核心分离设备，主要用于含泥量大的氧化矿石提金流程，负责将载金炭与矿浆分离，阻止炭粒随矿浆流到下槽造成流失。

As the core separation equipment in the carbon-in-pulp (CIP) gold extraction process, it is mainly used in gold extraction circuits for oxidized ores with high mud content, responsible for separating gold-loaded carbon from the slurry and preventing carbon particles from flowing into the lower tank with the slurry, thereby avoiding loss.

### 优势特点
ADVANTAGES & FEATURES

·中心传动电机带动下部搅拌叶轮逆流旋转，使筛筒内部矿浆形成负压旋流，加大筛网过浆能力；
·筛筒采用不锈钢焊接筛网，材质优良，强度高，使用寿命长，且楔形筛孔不易堵孔；
·主轴叶轮及下部密封板均采用不锈钢或碳钢硫化橡胶，能够长时间在PH10～11的碱性矿浆中使用，并耐氧化腐蚀；
·转笼上设置塑料刮板，旋转过程中形成旋流，并同时清理筛筒表面附着的活性炭；
·电机、减速机均采用国内外知名品牌，确保设备运转稳定可靠性；

·The central drive motor drives the lower agitator impeller to rotate countercurrently, creating a negative pressure vortex inside the screen cylinder, enhancing the slurry filtration capacity of the screen.
·The screen cylinder adopts a welded stainless steel screen with superior material, high strength, long service life, and wedge-shaped screen holes that are resistant to clogging.
·The main shaft impeller and lower sealing plate are made of stainless steel or carbon steel vulcanized rubber, enabling long-term use in alkaline slurry with a pH of 10–11 and resistance to oxidative corrosion.
·Plastic scrapers are installed on the rotating cage, forming a vortex during rotation and simultaneously cleaning the activated carbon adhering to the surface of the screen cylinder. 5. Both the motor and reducer are sourced from renowned domestic and international brands, ensuring stable and reliable operation of the equipment.

### 技术参数
TECHNICAL PARAMETERS

| 动力隔炭筛丨Power-Driven Interstage Carbon Retention Screen | | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 筛面 Screen surface | | 面积 ($m^2$) Area | 标准筛孔目数 Standard Sieve Mesh Size | 处理能力 ($m^3/h$) Processing Capacity | 电机功率 (kw) Motor Power | 重量 (kg) Weight |
| | 筛筒直径 (mm) Diameter of the Frame | 筛筒高度 (mm) Screen Cylinder Height | | | | | |
| GTS0606 | 600 | 600 | 1 | 24 | 20～50 | 3 | 700 |
| GTS0609 | 600 | 900 | 1.5 | 24 | 30～65 | 4 | 820 |
| GTS1013 | 1000 | 1350 | 4.2 | 24 | 80～120 | 7.5 | 2058 |
| GTS1215 | 1200 | 1500 | 5.6 | 24 | 140～230 | 11 | 2868 |
| GTS1418 | 1400 | 1800 | 8 | 24 | 180～300 | 11 | 3188 |
| GTS1620 | 1600 | 2000 | 10 | 24 | 220～370 | 15 | 5290 |
| GTS1825 | 1800 | 2500 | 14 | 24 | 280～500 | 18.5 | 6361 |





# 02
# 洗涤与置换设备
Washing and Precipitation Equipment



### 洗涤设备
Washing Equipment

氰化厂洗涤作业承担两大核心任务:
一是将浸出后的含金溶液与固体残渣有效分离。
二是最大限度降低尾矿中已溶金的流失，提升金的回收率。

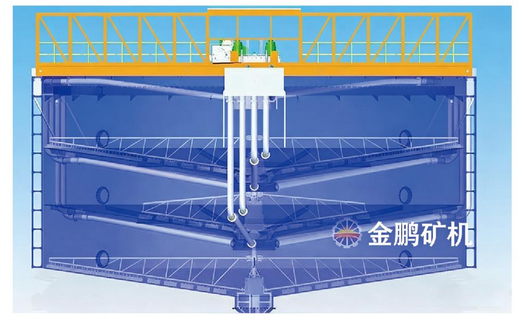
The washing operation in a cyanidation plant undertakes two core tasks:
First, effectively separating the gold-bearing solution from the solid residues after leaching;
Second, minimizing the loss of dissolved gold in the tailings to increase gold recovery.

### 置换设备
Precipitation Equipment

生产中，通常采用浓缩机与过滤机作为主洗涤设备，配套贵液净化槽、脱氧塔等完成真空处理，置换环节则配置各类锌粉添加装置，确保贵金属高效沉淀回收。

In production, thickeners and filters are commonly used as the primary washing equipment, complemented by pregnant solution purification tanks and deaeration towers for vacuum treatment. In the precipitation stage, various zinc powder feeding devices are configured to ensure efficient precipitation and recovery of precious metals.

## 洗涤浓密机
Washing Thickener




### 应用范围
APPLICATIONS

通常用于矿山选矿、冶金、尾矿处理时的矿浆浓缩、浓密流程。

Usually used in slurry concentration and thickening processes during mineral processing in mines, metallurgy, and tailings treatment.

### 工作原理
WORKING PRINCIPLE

利用位于浓密槽底部的叶轮的转动搅拌矿浆，从而使得矿粒与药剂能够充分地接触。保证了矿物重粒子能完全地在槽内通过自身的重力沉降到浓缩池底部，达到分层的目的。同时分层的下部分矿物从浓密机下部分排出，从而得到浓度较高的矿浆。

The impeller located at the bottom of the thickening tank rotates to stir the slurry, ensuring full contact between ore particles and reagents. This allows heavy mineral particles to completely settle to the bottom of the thickening tank by their own gravity, achieving the purpose of stratification. At the same time, the lower stratified minerals are discharged from the lower part of the thickener, resulting in a slurry with higher concentration.

## 技术参数
TECHNICAL PARAMETERS

**单层洗涤浓密机 | Single-Layer Washing Thickener**

| 型号 Model | 浓缩池 Thickener Tank | | 沉淀面积 ($m^2$) Setting Area | 耙架每转时间 (Min) Rake Frame Revolution Time | 电动机 Motor | | 提耙高度 (mm) Height of Harrow | 处理能力 (T/D) Processing Capacity | 槽重 (kg) Chute Weight | 总重量 (kg) Total Weigh |
|---|---|---|---|---|---|---|---|---|---|---|
| | 直径(m) Diameter | 深度(m) Depth | | | 型号 Type | 功率(kw) Power | | | | |
| NZS3 | 3.6 | 1.8 | 10.2 | 3 | Y90L-6 | 1.1 | 350 | 22.4 | 1730 | 3150 |
| NZS6 | 6 | 2.95 | 28.3 | 3.7 | Y90L-4 | 1.5 | 280 | 14-62 | 4032 | 9071 |
| NZS8 | 8 | 3.318 | 50.2 | 4.57 | Y132S-6 | 3 | 350 | 25-140 | 11065 | 17037 |
| NZS9 | 9 | 3 | 63.5 | 4.57 | Y132S-6 | 3 | 350 | 32-150 | 12188 | 19002 |
| NZS12 | 12 | 3.5 | 113 | 5.26 | Y132S-6 | 3 | 250 | ≤250 | 24060 | 33131 |
| NZ15 | 15 | 4.4 | 176 | 10.4 | Y132M-6 | 5.5 | 400 | ≤350 | 26000 | 37200 |
| NZ20 | 20 | 4.4 | 314 | 10.4 | Y132M-6 | 5.5 | 400 | ≤960 | 水泥壳 | 24504 |
| NZ30 | 30 | 5.112 | 707 | 16 | Y160M-63 | 7.5 | 400 | ≤1570 | 水泥壳 | 34460 |
| NZ-12Q | 12 | 3.5 | 113/224 | 5.26 | Y132S-6 | 3 | 250 | 480 | 水泥壳 | 12750 |
| NZ-15Q | 15 | 4.4 | 176/800 | 10.4 | JTC752A-44 | 5.2 | 400 | 800 | 水泥壳 | 32400 |
| NZ-20Q | 20 | 4.4 | 314/1400 | 10.4 | JTC752A-44 | 5.2 | 400 | 14400 | 水泥壳 | 43218 |
| NZ-24Q | 24 | 4.4 | 452/2017 | 10.4 | XWED7.5-106-1/121 | 7.5 | 400 | 2000 | 水泥壳 | 60000 |

**双层洗涤浓密机 | Two-Layer Washing Thickener**

| 型号 Model | 直径(m) Diameter | 中心池深(m) Center Depth | 沉淀面积 ($m^2$) Setting Area | 耙架转数 (R.P.M) Rake Frame Speed | 处理能力 (T/D) Processing Capacity | 电机型号 Motor Type | 电机功率 (kw) Motor Power | 槽重 (kg) Chute Weight | 备注 Remark |
|---|---|---|---|---|---|---|---|---|---|
| 2NZS6 | 6 | 5.34 | 56.5 | 0.25 | ≤50 | Y112M-6 | 2.2 | 9050 | 不带池重 Without Tank |
| 2NZS7 | 7 | 5.41 | 77 | | ≤56 | | | 10000 | |
| 2NZS8 | 8 | 6.08 | 100.7 | 0.28 | ≤68 | Y132M1-6 | 4 | 33800 | 带池重 With Tank |
| 2NZS9 | 9 | 5.91 | 127.3 | | ≤88 | | | 45000 | |
| 2NZS12 | 12 | 6.87 | 226 | 0.2 | ≤160 | Y132(M2)-6 | 5.5 | 38320 | 不带池重 Without Tank |
| 2NZS15 | 15 | 6.95 | 353.3 | 0.15 | ≤250 | | | 43942 | |

**三层洗涤浓密机 | Three-Layer Washing Thickener**

| 型号 Model | 直径(m) Diameter | 中心池深(m) Center Depth | 沉淀面积 ($m^2$) Setting Area | 耙架转数 (R.P.M) Rake Frame Speed | 处理能力 (T/D) Processing Capacity | 电机型号 Motor Type | 电机功率 (kw) Motor Power | 槽重 (kg) Chute Weight | 备注 Remark |
|---|---|---|---|---|---|---|---|---|---|
| 3NZS6 | 6 | 7.44 | 84.8 | 0.25 | ≤50 | Y132M1-6 | 4 | 13360 | 不带池重 Without Tank |
| 3NZS7 | 7 | 7.51 | 115.5 | | ≤56 | | | 14049 | |
| 3NZS8 | 8 | 8.58 | 151 | 0.28 | ≤68 | Y132M1-6 | 4 | 50449 | 带池重 With Tank |
| 3NZS9 | 9 | 8.7 | 191 | | ≤88 | | | 59231 | |
| 3NZS12 | 12 | 9.17 | 339 | 0.2 | ≤160 | Y132(M2)-6 | 5.5 | 43291 | 不带池重 Without Tank |
| 3NZS15 | 15 | 9.3 | 530 | 0.15 | ≤250 | Y160(M2)-8 | | 51470 | |

注：洗涤浓密机分为普通型和高效型。高效型是在原有洗涤浓密机的基础上进行了高效化改进，经在几个矿山中运转实践证明，其效果显著。

Scrubbing thickeners are divided into ordinary type and efficient type.The efficient thickener is to make an efficient improvement based on original thickener.Operation in several mines confirmed that the result is remarkable.





## 板框净化槽
Plate and Frame Purification Tank



### 应用范围
APPLICATIONS

应用于黄金锌粉置换工艺中浸出贵液的净化工段。

Applied in the purification section of the pregnant solution in the gold zinc powder replacement process.

### 工作原理
WORKING PRINCIPLE

主要采用滤布作为过滤介质进行固液分离。在真空作用下，澄清液体透过滤布，微细粒颗粒则附着在滤布表面，从而实现高效分离。设备无运动部件，操作维护方便。

It mainly uses filter cloth as the filtration medium for solid-liquid separation. Under vacuum, the clarified liquid passes through the filter cloth, while fine particles adhere to the surface of the filter cloth, achieving efficient separation. The equipment has no moving parts, making operation and maintenance convenient.

### 技术参数
TECHNICAL PARAMETERS

**板框净化槽 | Plate and Frame Purification Tank**

| 型号 Model | 过滤面积 ($m^2$) Filtration Area | 筒体容积 ($m^3$) Volume of Cylinder | 最大过滤压力 (Mpa) Max Filtration Pressure | 重量 (kg) Weigh |
|---|---|---|---|---|
| BKC-45 | 45 | 5.62 | 100 | 2021 |
| BKC-70 | 70 | 9.04 | | 3064 |
| BKC-90 | 90 | 11.78 | | 3900 |
| BKC-100 | 100 | 13.15 | | 4317 |
| BKC-140 | 140 | 18.62 | | 5152 |

## 脱氧塔
Deaeration Tower



### 应用范围
APPLICATIONS

氰化法选矿中，是贵液净化的主要脱氧设备。

In cyanidation mineral processing, it is the main deoxygenation equipment for precious liquid purification.

## 优势特点
PRODUCT INTRODUCTION

新型塑料网状填料是我公司研制的一种新产品，克服了点波填料因碱性氰化液结钙堵孔影响脱氧效果的弊端。

The new plastic plastic mesh mesh packing is a new product developed by our company, which overcomes the drawback of point-wave packing that affects deoxygenation effect due to calcium deposition and hole blockage caused by alkaline cyanide solution.

## 工作原理
WORKING PRINCIPLE

脱氧塔内的溶液由真空作用吸入塔的顶部，由喷淋器扩散较均匀地喷洒到填料面上。向下流动中在真空作用下，液体内溶解的气体被脱出，达到脱氧的目的。脱氧液由锥底的排液口被泵吸出而压入置换作业。

The solution in the deoxygenation tower is sucked into the top of the tower by vacuum, and is evenly sprayed onto the packing surface through the diffuser of the sprayer. During the downward flow, under the action of vacuum, the gas dissolved in the liquid is removed to achieve the purpose of deoxygenation. The deoxygenated liquid is pumped out from the liquid outlet at the cone bottom and pressed into the replacement operation.

## 技术参数
TECHNICAL PARAMETERS

| 脱氧塔 | Deaeration Tower | | | | |
|---|---|---|---|---|---|
| 型号 Model | 塔体尺寸 Dimensions | 工作压力真空度 (Mpa) Vacuum Level | 工作温度 (℃) Working Temperature | 喷淋量 ($m^3/m^2.h$) Spraying Rate | 重量 (kg) Weigh |
| TY-830 | φ800×3000 | 0.09-0.096 | 常温 Room Temperature | 1.56 | 747 |
| TY-1030 | φ1000×3000 | | | | 956.2 |
| TY-1136 | φ1100×3600 | | | | 1168 |
| TY-1236 | φ1200×3600 | | | | 1232 |
| TY-1435 | φ1400×3500 | | | | 1517 |
| TY-1536 | φ1500×3600 | | | | 1632 |
| TY-1840 | φ1800×4000 | | | 2.08 | 2042 |
| TY-2035 | φ2000×3500 | | | | 2642 |

注：脱氧塔按填料不同主要分为三种，即木格填料、点波填料、新型塑料网状填料，新型塑料网状填料是我公司研制的一种新产品，克服了点波填料因碱性氰化液结钙堵孔影响脱氧效果的弊端。

Note: Deoxygenation towers are mainly classified into three types based on the packing material: wooden grid packing, point-wave packing, and new plastic mesh packing. The new plastic mesh packing is a product developed by our company, which overcomes the drawback of point-wave packing where pore blockage caused by calcium buildup from alkaline cyanide solution affects the deoxygenation efficiency.





# 自动锌粉混合装置
Automatic Zinc Powder Mixing Device

## 设备性能
EQUIPMENT PERFORMANCE

主要生产传统的需要动力驱动的锌粉混合装置和无动力驱动的自动锌粉混合装置。自动锌粉混合装置是我公司新开发的一种混合装置，主要特点是不需要外界动力，锌粉不在筒底堆积，密封好，责液泵在高真空下开启方便。

The main products are traditional power driven zinc dust mixer and non-power auto mixer device.The automatic mixer is a newly developed device featuring no driving.No stacking up at the bottom,and good enclosure.And the pregnant solution pump can be easily started under vacuum condition.

## 技术参数
TECHNICAL PARAMETERS

| 自动锌粉混合装置 | Automatic Zinc Powder Mixing Device | | |
|---|---|---|---|
| 型号 Model | 料筒直径 (mm) Diameter of Hopper | 是否需要动力 Power Driven or Not | 重量 (kg) Weigh |
| ZXH-50 | 500 | 不需要 No | 70 |

# 动力驱动锌粉混合装置
Power-Driven Zinc Powder Mixing Device

## 设备性能
EQUIPMENT PERFORMANCE

该设备专用于氰化锌粉置换工艺，顶部设有锌粉添加装置，可使锌粉均匀落入下部混合筒中。混合筒内置驱动搅拌装置，确保锌粉与贵液充分混合后，从底部排出泵送至置换作业。设备配置简单，混合效果充分。

This equipment is specifically designed for the cyanidation zinc powder replacement process. It features a zinc powder addition device at the top, allowing the zinc powder to evenly fall into the lower mixing cylinder. The mixing cylinder is equipped with an internal driven stirring device to ensure thorough mixing of the zinc powder with the pregnant solution before it is discharged from the bottom and pumped to the replacement operation. The equipment has a simple configuration and ensures thorough mixing.

## 技术参数
TECHNICAL PARAMETERS

| 动力驱动锌粉混合装置 | Power-Driven Zinc Powder Mixing Device | | | |
|---|---|---|---|---|
| 型号 Model | 料筒直径 (mm) Diameter of Hopper | 电动机 Motor | | 重量 (kg) Weigh |
| | | 型号 Mode | 功率(kw) Power | |
| DXH-510 | 510 | 0.25 | 0.25 | 180 |

## 絮凝剂添加装置
Flocculent Dosing Device

### 设备性能
EQUIPMENT PERFORMANCE

该设备专用于储存经过搅拌的絮凝剂混合液体，通过叶轮在槽内旋转带动矿浆流动，确保药液充分混合。在搅拌过程中，可有效防止药剂结块和沉淀，保持溶液均匀稳定。轴与叶轮均采用不锈钢材质，耐腐蚀性强，同时可根据客户要求进行定制，以满足不同工况的使用需求。

This equipment is specifically designed for storing stirred flocculant mixture. The impeller rotates within the tank to drive the slurry flow, ensuring thorough mixing of the chemical solution. During the stirring process, it effectively prevents chemical caking and sedimentation, maintaining a uniform and stable solution. Both the shaft and impeller are made of stainless steel, offering strong corrosion resistance. Additionally, the equipment can be customized according to customer requirements to meet the needs of different working conditions.

### 技术参数
TECHNICAL PARAMETERS

| 絮凝剂添加装置 | Flocculent Dosing Device | | |
|---|---|---|---|
| 型号 Model | 电动机 Motor | | 重量 (kg) Weigh |
| | 型号 Mode | 功率(kw) Power | |
| ZXH-50 | 110SZ52 | 0.185 | 70 |

## 螺旋锌粉给料机
Screw Zinc Powder Feeder

### 设备性能
EQUIPMENT PERFORMANCE

该设备采用电磁调速电机驱动，通过皮带带动涡轮减速机使螺旋管转动，将储料斗内的锌粉连续、均匀地推送给料。设备主要应用于氰化法选金工艺中向装满贵液的混合器添加锌粉，同时也广泛适用于选矿、化工、制药、食品等行业。螺旋给料均匀连续，有效降低残锌含量，既节约生产成本又改善冶炼效果；锌粉暴露在空气中的面积小，可减少氧化，进一步优化置换效果。

This equipment is driven by an electromagnetic speed-regulating motor, which drives a turbo reducer through a belt to rotate the spiral tube, continuously and uniformly pushing zinc powder from the storage hopper to the feeder. It is primarily used in the cyanidation gold extraction process to add zinc powder to the mixer filled with pregnant solution, and is also widely applicable in industries such as mineral processing, chemical engineering, pharmaceuticals, and food. The spiral feeder ensures uniform and continuous feeding, effectively minimizing residual zinc content, which not only saves production costs but also improves smelting results. The small exposure area of zinc powder to air reduces oxidation, further optimizing the replacement effect.

### 技术参数
TECHNICAL PARAMETERS

| 螺旋锌粉给料机 | Screw Zinc Powder Feeder | | | | | |
|---|---|---|---|---|---|---|
| 型号 Model | 螺旋规格 (mm) Rotate Speed | 给料量 (kg/h) Feed Volume | 螺旋转速 (R.P.M) Rotate Speed | 电机型号 Motor Type | 电机功率 (kw) Motor Power | 重量 (kg) Weigh |
| LXG-30 | ϕ30×390 | 可调 | 4.17-41.7 | YCT112-4A | 0.55 | 106 |





## 带式锌粉给料机
Belt Zinc Powder Feeder

### 设备性能
EQUIPMENT PERFORMANCE

本设备由皮带给料机和混料桶组成，专用于选矿、化工、制药等行业，通过皮带实现锌粉连续添加。每8小时锌粉量可一次铺于皮带面，自动连续加入混料桶完成混合，有效降低劳动强度并减少锌粉损失。

This equipment consists of a belt feeder and a mixing barrel, specifically designed for industries such as mineral processing, chemical engineering, and pharmaceuticals. It enables continuous zinc powder addition via the belt. The 8-hour zinc powder requirement can be spread on the belt at once, allowing automatic and continuous feeding into the mixing barrel for thorough mixing, effectively reducing labor intensity and minimizing zinc powder loss.

### 技术参数
TECHNICAL PARAMETERS

| 带式锌粉给料机 | Belt Zinc Powder Feeder | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 胶带宽 (mm) Tape Width | 鼓轮中心距 (mm) Drum Center Distance | 胶带速度 (mm/min) Tape Speed | 闸阀起闭次数 (t/m) Gate Valve Opening/ Closing Cycles | 电机型号 Motor Type | 电 机 功 率 (kw) Motor Power | 重量 (kg) Weigh |
| ZXH-50 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |

## 盘式锌粉给料机
Disk Zinc Powder Feeder

### 设备性能
EQUIPMENT PERFORMANCE

该设备由电动机通过皮带和二级蜗轮减速器驱动圆盘旋转，粉状物料靠重力落于圆盘上，随圆盘转动被刮板排出，实现连续均匀加料。广泛应用于选矿、化工、制药等行业，可根据处理量或含金品位灵活调整添加量。

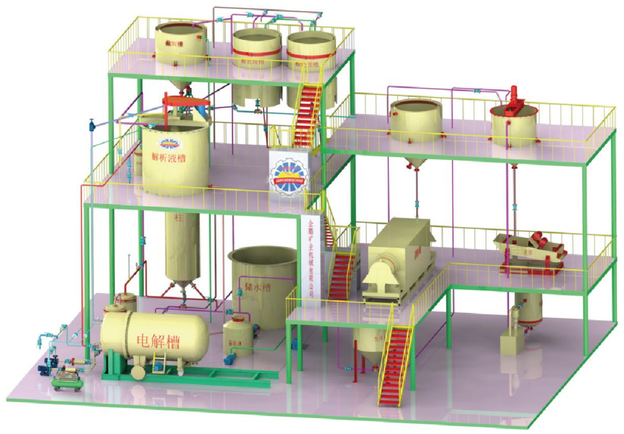
The equipment is driven by an electric motor, which rotates a disc via a belt and a two-stage worm gear reducer. Powdered material falls onto the disc by gravity and is discharged by a scraper as the disc rotates, enabling continuous and uniform feeding. It is widely used in industries such as mineral processing, chemical engineering, and pharmaceuticals, allowing for flexible adjustment of the feed rate based on processing capacity or gold grade.

### 技术参数
TECHNICAL PARAMETERS

| 盘式锌粉给料机 | Disk Zinc Powder Feeder | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 胶带宽 Tape Width | | 给料速度 (mm) Feed Speed | 给料量 (g/h) Feed Volume | 电机型号 Motor Type | 电 机 功 率 (kw) Motor Power | 重量 (kg) Weigh |
| | 直径 (mm) Diameter | 转速(r/min) Rotational Speed | | | | | |
| ϕ140 | 140 | 1.13 | 0-2 | 1.5-2.4 | Y801-4 | 0.55 | 76 |
| ϕ170 | 170 | 18.5 | 0-2 | 1.5-2.4 | Y801-4 | 0.55 | 76 |

# 03

# 解吸电解系统
Desorption Electrolysis System




## 应用范围
APPLICATIONS

高温高压无氰解吸电解系统，采用新型安全无毒组合药剂，在150℃、0.5MPa的工艺条件下，不仅能高效解吸载金炭，还能同步恢复贫炭活性并提升后续吸附率。在贵州紫金矿业10吨/批次的项目中成功应用。

High-temperature High-pressure Cyanide-Free Elution & Electrowinning System utilizes a new, safe, and non-toxic combined reagent. Under process conditions of 150℃ and 0.5MPa, it not only efficiently desorbs gold-loaded carbon but also simultaneously reactivates the barren carbon and enhances subsequent adsorption rate. This system has been successfully applied in a 10-ton/batch project at Zijin Mining in Guizhou.

## 优势特点
ADVANTAGES & FEATURES

·解吸电解周期短（12～14h）；
·解吸率高，解吸炭金品位在30～100g/t;
·解吸液成分简单，无剧毒和易燃成分;
·解吸电积作业均处于密闭压力系统之中，产品管理安全可靠，车间内无刺激性气体逸出，工作条件好，劳动强度低;
·系统操作条件控制严格，生产技术指标稳定。
·解吸结束后，贫液含金一般低于2.5g/m3，解吸炭含金一般低于100g/t，金泥质量60～70%。解吸炭在排出解吸柱之前要先降温、泄压，并用清水将炭洗至中性，然后排出进行再生处理。
·该系统具有经济上合理，技术上先进的特点，发展前景广阔，已在工业生产中广泛应用。

· Short desorption-electrowinning cycle (12–14h);
· High desorption rate, with gold grade in desorbed carbon ranging from 30–100g/t;
· Simple composition of desorption solution, free of highly toxic or flammable components;
· Both desorption and electrowinning operations are conducted within a closed pressurized system, ensuring safe and reliable product management, no irritating gas emissions in the workshop, favorable working conditions, and low labor intensity;
· Strict control of system operating conditions ensures stable production technical indicators.
· After desorption, the gold content in the barren solution is generally below 2.5g/m³, and the gold content in the desorbed carbon is typically below 100g/t, with gold mud quality ranging from 60–70%. Before discharging the desorbed carbon from the desorption column, it must be cooled, depressurized, and rinsed with clean water to neutrality, after which it is discharged for regeneration treatment.
· The system is economically reasonable and technologically advanced, with broad development prospects, and has been widely applied in industrial production.





## 技术参数
TECHNICAL PARAMETERS

**解吸电解系统 | Desorption Electrowinning System**

| 型号 Model | 适用规模 Applicable Scale | | 工作条件 Working Conditions | 设备明细 Equipment Details |
|---|---|---|---|---|
| | 矿山规模 (T/D) Mine Scale | 原矿品位 (G/T) Raw Ore Degree | | |
| JPDE-0.2 | <150 | 2～8 | 工作温度 (Working Temperature): 150±2℃<br>解吸液(Na0H)PH (Desorption Liquid):≥13.5<br>解吸槽压强 (Desorption Tank Pressure):0.5(Mpa)<br>电解槽压强 (Electrowinning Tank Pressure):0.45(Mpa)<br>工作电压：2V～6V | 1.解析柱 Stripping column<br>2. 电加热器 Electric heater<br>3. 过滤器 Filter<br>4. 卧式/立式电解槽 Horizontal / Vertical electrolytic cell<br>5. 解析液槽 Stripping Solution Tank<br>6. 炭储运槽 Carbon Storage and Transport Tank<br>7. 泵前过滤器 Pre-pump Filter<br>8. 输炭泵 Carbon Transfer Pump<br>9. 循环泵 Circulation Pump<br>10. 储水槽 Water Storage Tank<br>11. 酸处理槽 Acid Treatment Tank<br>12. 盐酸储罐 Hydrochloric Acid Storage Tank<br>13. 空气压缩机 Air Compressor<br>14. 清水泵 Clean Water Pump<br>15. 磁力泵 Magnetic Pump<br>16. 硅整流柜 Silicon Rectifier Cabinet<br>17. 控制柜 Control Cabinet<br>18. 仪表,管路,阀门,电线,电缆 Instruments, piping, valves, wires, cables |
| JPDE-0.3 | 150-300 | | | |
| JPDE-0.5 | 300-500 | | | |
| JPDE-0.7 | | | | |
| JPDE-1 | 500-1000 | | | |
| JPDE-1.5 | | | | |
| JPDE-2 | 1000-2000 | 2～20 | | |
| JPDE-2.5 | | | | |
| JPDE-3 | | | | |
| JPDE-4 | 2000-3000 | | | |
| JPDE-5 | | | | |
| JPDE-6 | | | | |
| JPDE-8 | 3000-5000 | | | |
| JPDE-10 | | | | |
| JPDE-10 | ≥5000 | | | |

**电加热器 | Electric Heater**

| 型号 Model | 工作温度(℃) Operation Temperature | | 工作介质 Operation Medium | | 电热功率 (kw) Power | 电压 (V) Voltage | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|
| | 常压 Atmospheric Pressure | 高压 High pressure | 常压 Atmospheric Pressure | 高压 High pressure | | | |
| DRO48 | 98 | 150 | 1%NaOH+2%NaCN | 5%NaOH | 8KWX6 | 380 | 450 |
| DRO120 | 98 | 150 | 1%NaOH+2%NaCN | 5%NaOH | 10KWX12 | 380 | 710 |
| DRQ240 | 98 | 150 | 1%NaOH+2%NaCN | 5%NaOH | 10KWX24 | 380 | 1200 |

**解吸柱 | Stripping Column**

| 型号 Model | 容积 ($m^3$) Capacity | 工作压力 (Pa) Operation Pressure | 工作温度 (℃) Operation Temperature | 工作介质 Operation Medium |
|---|---|---|---|---|
| ϕ500×3500 | 0.70 | 常压/高压Normal Pressure/High Pressure | 常压95 ～ 98/高压150 | 常压NaCN2%+NaOH1%溶液solution/高压5%NaOH |
| ϕ600×3000(2500) | 0.85(0.71) | 常压/高压Normal Pressure/High Pressure | 常压95 ～ 98/高压150 | 常压NaCN2%+NaOH1%溶液solution/高压5%NaOH |
| ϕ750×4000 | 1.7 | 常压/高压Normal Pressure/High Pressure | 常压95 ～ 98/高压150 | 常压NaCN2%+NaOH1%溶液solution/高压5%NaOH |
| ϕ750×5500 | 2.50 | 常压/高压Normal Pressure/High Pressure | 常压95 ～ 98/高压150 | 常压NaCN2%+NaOH1%溶液solution/高压5%NaOH |
| ϕ900×5000 | 3 | 常压/高压Normal Pressure/High Pressure | 常压95 ～ 98/高压150 | 常压NaCN2%+NaOH1%溶液solution/高压5%NaOH |
| ϕ1000×5300 | 4.5 | 常压/高压Normal Pressure/High Pressure | 常压95 ～ 98/高压150 | 常压NaCN2%+NaOH1%溶液solution/高压5%NaOH |
| ϕ1100×6000 | 5.70 | 常压/高压Normal Pressure/High Pressure | 常压95 ～ 98/高压150 | 常压NaCN2%+NaOH1%溶液solution/高压5%NaOH |

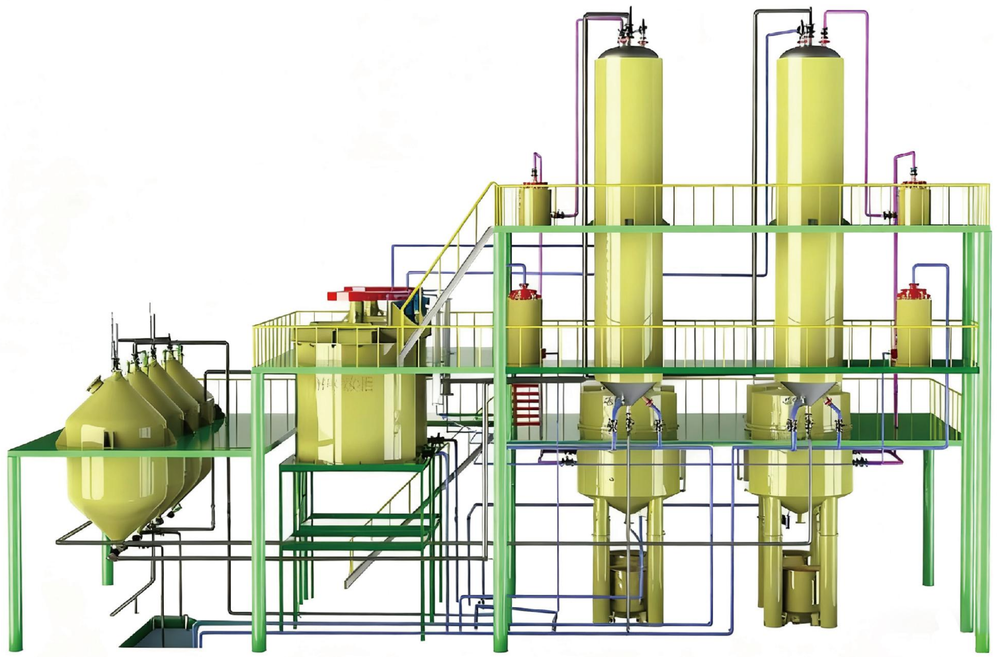
| 电解槽 \| Electrolytic cell | | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 有效容积 ($m^2$) Effective Capacity | 阴极板数 Number of Cathode Plate | 阳极板数 Number of Anode Plate | 对应立式电解槽型号 (mm) Corresponding Vertical Electrolytic Cell Model | 工作温度 (℃) Operation Temperature | 工作电压 (V) Operation Voltage | 电流 (A) Electric Curent |
| DJC50 | 0.2 | 10 | 11 | DJC1200 | 常压95 ~ 98/高压150 | 2 ~ 4 | 350 ~ 480 |
| DJC1415 | 0.5 | 15 | 14 | DJC1500 | 常压95 ~ 98/高压150 | 2 ~ 4 | 350 ~ 750 |
| DJC2120 | 1.0 | 20 | 21 | DJC1800 | 常压95 ~ 98/高压150 | 2 ~ 6 | 350 ~ 1000 |
| DJC2625 | 1.6 | 25 | 26 | DJC1800L | 常压95 ~ 98/高压150 | 2 ~ 6 | 700 ~ 1500 |
| DJC3031 | 3.0 | 31 | 30 | DJC1800L | 常压95 ~ 98/高压150 | 4 ~ 6 | 1500 ~ 2000 |
| DJC3334 | 3.5 | 34 | 33 | DTC2200 | 常压95 ~ 98/高压150 | 4 ~ 6 | 1500 ~ 2500 |
| DJC3637 | 4.2 | 37 | 36 | JC2500/DJC2800 (6T以上) | 常压95 ~ 98/高压150 | 4 ~ 6 | 1500 ~ 3000 |



贵州10吨每批高温高压解吸电解项目
Guizhou 10t/Batch High Temperature and Highpressure Desorption & Electrowinning Project



新疆12吨每批高温高压解吸电解及精炼项目
Xinjiang 12t/Batch High Temperature and Highpressure Desorption & Electrowinning and Refining Project







# 04

# 活性炭再生窑

Activated Carbon Regeneration System



## 应用范围

APPLICATIONS

ZSL型活性炭再生窑系统是采用新技术，应用于黄金矿山的活性炭火法热再生的新型、先进、高效、节能型的优质产品。主要包括活性炭再生窑，脱水筛，进料斗，磨炭槽，水淬槽等设备。

The ZSL-type activated carbon regeneration kiln system is a new, advanced, high-efficiency, energy-saving, and high-quality product that adopts new technology for the thermal regeneration of activated carbon in gold mines using the pyrometallurgical method. It mainly includes equipment such as the activated carbon regeneration kiln, de-blyxa japonica, feed hopper, carbon grinding tank, and water quenching tank.

## 优势特点

PRODUCT INTRODUCTION

·采用新型电加热元件，使用寿命长，易更换；
·采用硬齿面减速机传动，传动效率更优，性能可靠；
·采用先进的脱水技术，使再生炭含水降至30-40%后，再热再生，效果好，节能；
·该系统具有恒温自动控制，变频调速装置，停电保护装置，升温快、热效率高，热损失小等优点。

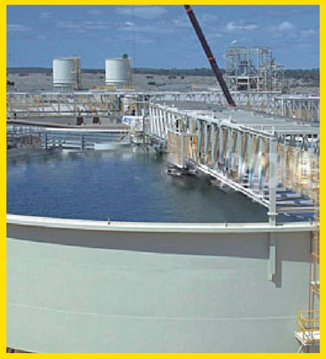
· Utilizes new-type electric heating elements with long service life and easy replacement;
· Employs hard-tooth-surface reducer transmission for superior transmission efficiency and reliable performance;
· Adopts advanced dehydration technology to reduce regenerated carbon moisture content to 30-40% before thermal regeneration, achieving excellent results and energy savings;
· The system features constant temperature automatic control, variable frequency speed regulation device, power outage protection device, rapid heating, high thermal efficiency, and minimal heat loss.

## 技术参数

TECHNICAL PARAMETERS

| 活性炭再生窑 \| Activated Carbon Regeneration System | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 筒体 Cylinder | | 筒体电机 Cylinder | 筒体电机功率 (kw) Cylinder Motor Power | 加料电机 Dosing Motor | 加料电机功率 (kw) Dosing Motor Power | 加热功率 (kw) Heating Power | 最大处理量 (kg/h) Max.Processing Capacity | 重量 (kg) Weight |
| | 直径(mm) Diameter | 长度(mm) Length | | | | | | | |
| ZSL40 | 406 | 5984 | YVF2-132S-4 | 5.5 | YVF2-90L-6 | 1.1 | 72 | 40 | 8090 |
| ZSL60 | 600 | 6293 | YVF2-132S-4 | 5.5 | YVF2-90S-4 | 1.1 | 90 | 60 | 9552 |
| ZSL80 | 800 | 7028 | YVF2-132M-4 | 7.5 | YVF2-90S-4 | 1.1 | 108 | 80 | 11160 |
| ZSL120 | 900 | 6198 | YVF2-132M-4 | 7.5 | YVF2-100L-6 | 1.5 | 180 | 120 | 11925 |
| ZSL300 | 900 | 6928 | YVF2-132M-4 | 7.5 | YVF2-100L-6 | 1.5 | 300 | 300 | 12384 |
| ZSL350 | 900 | 7428 | YVF2-132M-4 | 7.5 | YVF2-100L-6 | 1.5 | 300 | 350 | 12505 |
| ZSL600 | 1200 | 9598 | YVF2-160M-4 | 11 | YVF2-112M-6 | 2.2 | 650 | 600 | 18398 |

# 浓密设备
# THICKENING EQUIPMENT



金鹏高效液压浓密机基于重力沉降与液压驱动技术，适用于精矿浓缩、尾矿干排及废水净化。智能液压提耙系统实时监测油压，自动升降耙架，杜绝压耙停机风险；恒流量排矿模块根据入料量精准调控底流泵转速，确保底流浓度稳定。为浮选、浸出、过滤等后端工序提供均匀给料，消除流量波动引发的指标偏差，兼顾运行安全与工艺连续性。

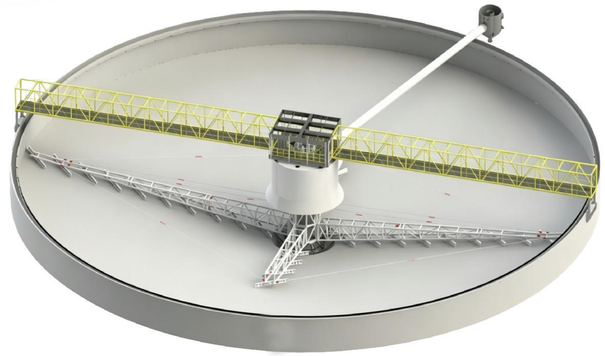
Based on gravity sedimentation and hydraulic drive technology, the Jinpeng high-efficiency hydraulic thickener is suitable for concentrate thickening, tailings dry stacking, and wastewater purification. The intelligent hydraulic rake lifting system monitors oil pressure in real time and automatically raises or lowers the rake frame, eliminating the risk of shutdown due to rake overload. The constant flow discharge module precisely regulates the underflow pump speed according to the feed volume to ensure stable underflow density. It provides a uniform feed for downstream processes such as flotation, leaching, and filtration, eliminating index deviations caused by flow fluctuations while ensuring both operational safety and process continuity.





# 01

## 液压中心传动浓密机
Hydraulic Center Drive Thickener



### 应用范围
APPLICATIONS

可广泛应用于冶金、矿山、煤炭、化工、建材、环保等部门矿泥、废水、废渣的处理。

Widely used in metallurgy, mining, coal, chemical, building materials, environmental protection, and other sectors for the treatment of slime, wastewater, and waste residue.

### 优势特点
ADVANTAGES & FEATURES

·液压驱动，具有过载保护功能。
·液压提耙自动控制，实时监测耙架驱动油压，自动提耙降耙。
·通过调节放矿阀的转速实现恒流量放矿。
·可配自动加药系统。
·传动结构简单，维修方便。

·Hydraulic drive with overload protection.
·Automatic hydraulic rake lifting control; real-time monitoring of rake drive oil pressure enables automatic raising and lowering of the rake.
·Constant flow discharge is achieved by adjusting the speed of the discharge valve.
·Can be equipped with an automatic dosing system.
·Simple drive structure for easy maintenance.





## 技术参数
TECHNICAL PARAMETERS

| 液压中心传动式浓密机 \| Hydraulic Center Drive Thickener | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 直径 (m) Diameter | 直筒高度 (m) Height of the Vertical Tank | 沉淀面积 ($m^2$) Setting Area | 耙架转速 (r/min) Rake Frame Rotation Speed | 提耙行程 (mm) Weight of the Tank | 处理能力 (t/d) Capacity | 液压马达 Hydraulic Motor Reducer | 最高压力 (MPa) Max. pressure | 驱动总功率 (kw) Total Transmission Power | 底面倾角 (°) Dip Angle of Pool Bottom |
| NZY-6 | φ6 | 2675 | 28 | 0-0.33 | 300 | 50-100 | NHM2-100 | 6.5 | 4 | 8 |
| NZY-8 | φ8 | 2300 | 50 | 0-0.33 | 300 | 120-175 | NHM2-100 | 6.5 | 4 | 10 |
| NZY-9 | φ9 | 2428 | 63 | 0-0.33 | 300 | 120-175 | NHM2-100 | 6.5 | 4 | 8 |
| NZY-10 | φ10 | 2800 | 78 | 0-0.33 | 300 | 120-175 | NHM2-100 | 6.5 | 4 | 8 |
| NZY-12 | φ12 | 2800 | 113 | 0-0.33 | 300 | 220-260 | NHM2-100 | 6.5 | 7.5 | 80 |
| NXZ-15 | φ15 | 3200 | 176 | 0-0.33 | 300 | 350-400 | NHM2-100 | 6.5 | 7.5 | 8 |
| NXZ-18 | φ18 | 3000 | 254 | 0-0.33 | 300 | 600-800 | NHM2-100 | 6.5 | 7.5 | 11(常规8°) |
| NXZ-20 | φ20 | 3000 | 314 | 0-0.33 | 300 | 800-1000 | NHM2-150 | 6.5 | 11 | 9 |
| NXZ-22 | φ22 | 3000 | 379 | 0-0.33 | 300 | 800-1000 | NHM2-150 | 6.5 | 11 | 9 |
| NXZ-24 | φ24 | 2850 | 452 | 0-0.33 | 300 | 1000-1300 | NHM2-150 | 6.5 | 11 | 9 |
| NXZ-25 | φ25 | 2800 | 490 | 0-0.33 | 300 | 1000-1300 | NHM2-150 | 6.5 | 11 | 00 |
| NXZ-28 | φ28 | 2820 | 615 | 0-0.33 | 300 | 1000-1300 | NHM2-150 | 6.5 | 15 (11) | 10 |
| NXZ-30 | φ30 | 3000 | 706 | 0-0.33 | 300 | 1500-1800 | NHM2-150 | 6.5 | 15 (11) | 10 |
| NXZ-32 | φ32 | 3360 | 803 | 0-0.33 | 500 | 1500-1800 | NHM2-150 | 6.5 | 15 (11) | 10 |
| NXZ-36 | φ36 | 3600 | 1017 | 0-0.33 | 500 | 1900-2200 | NHM2-150 | 6.5 | 15 (11) | 10 |
| NXZ-38 | φ38 | 3600 | 1133 | 0-0.33 | 500 | 1900-2200 | NHM2-150 | 6.5 | 15 (11) | 10 |
| NXZ-42 | φ42 | 3600 | 1384 | 0-0.06 | 500 | 2240-2600 | NHM2-150 (NHM2-175) | 6.5(10) | 19 (29.5) | 10 |
| NXZ-45 | φ45 | 3500 | 1589 | 0-0.06 | 500 | 2400-2800 | NHM2-150 (NHM2-175) | 6.5(10) | 19 (29.5) | 10 |
| NXZ-50 | φ50 | 3500 | 1962 | 0-0.06 | 500 | 3000-3500 | NHM2-175 | 10 | 29.5 | 10 |
| NXZ-53 | φ53 | 3500 | 2205 | 0-0.06 | 500 | 3000-3500 | NHM2-175 | 10 | 29.5 | 10 |
| NXZ-60 | φ60 | 3500 | 2826 | 0-0.03 | 500 | 3500-5000 | NHM2-175 | 10 | 29.5 | 10 |
| NXZ-62 | φ62 | 3400 | 3012 | 0-0.33 | 600 | 3500-5000 | NHM2-175 | 10 | 29.5 | 10 |
| NXZ-80 | φ80 | 3000 | 5025 | 0-0.03 | 600 | 8000-11000 | NHM2-175 | 10 | 29.5 | 10 |
| NXZ-100 | φ100 | 3000 | 7653 | 0-0.33 | 800 | 10000-15000 | NHM2-175 | 10 | 29.5 | 10 |



唐山锂矿36米高效浓密机
φ36M High Efficiency Thickener For Tangshan Lithium Mine



津巴布韦NXZ-53米尾矿浓密机
Zimbabwe NXZ-53 Meter Tailings Thickener





# 02

# 高效浓密机
High-efficiency Thickener




## 应用范围
APPLICATIONS

高效浓密机采用全新的机械结构，强化了絮凝剂对固体颗粒的凝聚作用，它主要包括几个配套系统：絮凝剂添加系统，强制稀释系统，脱气槽和自动控制系统。絮凝剂添加系统为专利产品。主要用于矿山煤泥水或矿浆的澄清和浓缩，以达到脱水目的，也可用于化工、冶金等行业进行固液分离的脱水作业。

The high-efficiency thickener features a completely new mechanical structure that enhances the flocculation effect of flocculants on solid particles. It mainly comprises several supporting systems: a flocculant addition system, a forced dilution system, a deaeration tank, and an automatic control system. The flocculant addition system is a patented product. It is primarily used for the clarification and thickening of coal slime water or slurry in mining to achieve dewatering, and is also applicable to solid-liquid separation and dewatering operations in industries such as chemical and metallurgy.

## 优势特点
ADVANTAGES & FEATURES

·增设强制稀释装置，强化药剂混合，提高絮凝剂有效利用率，把给料浓度拉回“絮凝最优区”，提高沉降速度。
·增设脱气槽，以消除固体颗粒附着在气泡上，似“降落伞”进行沉降。
·采用切向给料装置，有效减小沉降高度，降低固体颗粒动能，减小耙子冲击负荷。
·溢流堰采用锯齿形状，从而避免了因为安装误差造成的局部抽吸现象。
·给矿管位于液面以下，以防给矿时气体带入。
·增设内溢流堰，使物料按规定行程流动，防止“短路”现象，大幅度增加了沉降区。
·溢流堰改为锯齿状，改善因溢流堰不水平而造成的局部抽吸现象。
·将耙齿线性由斜线型改为曲线型，使之排矿底流浓度增高，从而增加处理能力。

·Added a forced dilution device to enhance reagent mixing, improve the effective utilization rate of flocculant, and bring the feed concentration back into the "optimal flocculation zone," thereby increasing the settling rate.
·Added a deaeration tank to prevent solid particles from attaching to air bubbles and settling like a "parachute."
· Adopted a tangential feed device to effectively reduce settling height, lower the kinetic energy of solid particles, and reduce impact load on the rake.
· The overflow weir features a serrated shape, thereby avoiding localized suction caused by installation errors.
·The feed pipe is positioned below the liquid surface to prevent air entrainment during feeding.
·Added an internal overflow weir to direct material flow along a prescribed path, preventing "short-circuiting" and significantly enlarging the settling zone.
· The overflow weir has been modified to a serrated shape to improve localized suction caused by a non-level overflow weir.
· The rake blade profile has been changed from a straight inclined line to a curved shape, resulting in higher underflow density and consequently increasing processing capacity.

## 工作原理
WORKING PRINCIPLE

浓缩池里悬浮于矿浆中的固体颗粒在重力作用下沉降，上部则成为澄清水，使固液得以分离。沉积于浓缩池底部的矿泥由耙式刮泥机连续的刮集到池底中心排矿口排出，而澄清水则由浓缩池上沿溢出。

Solid particles suspended in the slurry within the thickener settle under gravity, while the upper layer becomes clarified water, achieving solid-liquid separation. The mineral sludge deposited at the bottom of the thickener is continuously scraped by the rake-type scraper to the central discharge port for removal, while the clarified water overflows from the upper edge of the thickener.

## 技术参数
TECHNICAL PARAMETERS

**高效浓密机 | High-efficiency Thickener**

| 型号 Model | 浓缩池 (m) Thickener Tank | | 沉降面积 ($m^2$) Setting Area | 耙子提升高度 (m) Rake Lifting Height | 耙架转速 (r/min) Rake Frame Rotation Speed | 电机功率 (kw) Motor Power | 干矿处理量 (t/d) Capacity |
|---|---|---|---|---|---|---|---|
| | 内径 (m) Diameter | 高度 (m) Height | | | | | |
| NXG-6 | 6 | 3.2 | 28 | 300 | 0-0.33 | 4 | 200-330 |
| NXG-9 | 9 | 3.2 | 63 | 300 | 0-0.33 | 7.5 | 450-750 |
| NXG-12 | 12 | 3.5 | 110 | 300 | 0-0.33 | 7.5 | 900-1320 |
| NXG-18 | 18 | 4.4 | 254 | 300 | 0-0.33 | 11 | 2100-3000 |
| NXG-20 | 20 | 4.4 | 310 | 300 | 0-0.33 | 15 | 2600-3720 |
| NXG-24 | 24 | 5.2 | 452 | 300 | 0-0.33 | 15 | 3700-5400 |
| NXG-30 | 30 | 5.2 | 707 | 300 | 0-0.33 | 22 | 5800-8400 |
| NXG-38 | 38 | 5.5 | 1134 | 500 | 0-0.06 | 22+4 | 9450-13500 |
| NXG-45 | 45 | 5.5 | 1590 | 500 | 0-0.06 | 22+5.5 | 13000-19000 |
| NXG-50 | 50 | 6.5 | 1962 | 500 | 0-0.06 | 37+5.5 | 16000-23000 |
| NXG-53 | 53 | 6.5 | 2206 | 500 | 0-0.06 | 37+5.5 | 18000-26000 |
| NXG-60 | 60 | 6.5 | 2826 | 600 | 0-0.03 | 37+5.5 | 22500-33000 |
| NXG-70 | 70 | 6.5 | 3846 | 600 | 0-0.03 | 45+5.5 | 31000-45000 |

**絮凝剂添加装置 | Flocculant Adding Device**

| 型号 Model | 电机型号 Motor Mode | 电机功率 (kw) Motor Power | 重量 (kg) Weight |
|---|---|---|---|
| XNJ-15 | 110SZ52 | 0.185 | 160 |

**絮凝剂搅拌槽 | Flocculant Agitation Tank**

| 型号 Model | 规格 Specifications | 有效容积 ($m^3$) Effective Volume | 叶轮直径 (mm) Impeller Diameter | 叶轮转速 (r.p.m) Impeller Speed | 电机型号 Motor Mode | 电机功率 (kw) Motor Power | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|
| XBJ1.0×1.75 | ϕ1000×1750 | 1.1 | 450 | 133 | Y132S-8 | 2.2 | 530 |
| XBJ1.5×1.5 | ϕ1500×1500 | 2.2 | 518 | 320 | Y132S-6 | 3 | 1260 |

**絮凝剂自动计量控制装置 | Flocculant Automatic Measurement Control Device**

| 型号 Model | 工作压力 (Mpa) Working Pressure | 最大流量 (kg) Max Flow | 测量精度 (%) Measurement Accuracy | 环境温度 (℃) Environment Temperature | 电源功率 (W) Power | 计量泵电机功率 (kw) Dosing Machine Power |
|---|---|---|---|---|---|---|
| DN15-25 (由用户选择) (Chosen by user) | ≤1.6 | 600 | ±0.5 | 0-40 | ≤40 | 1.5 (由用户选择) (Chosen by user) |





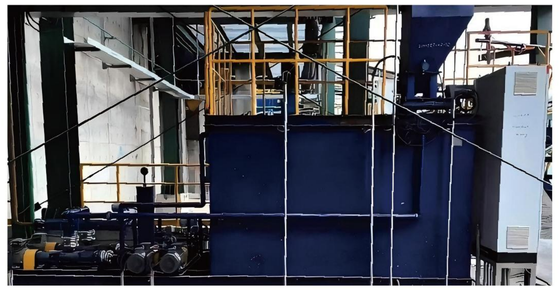
# 03

# 撬装式絮凝剂制备系统
Skid-mounted Flocculant Preparation System

## 应用范围
APPLICATIONS

制备量范围大，可满足小型、中、大型浓密机配套使用。

Suitable for a wide range of preparation capacities, meeting the requirements of small, medium, and large thickeners.



## 优势特点
ADVANTAGES & FEATURES

·自动化运行：设备通过PLC或智能仪表实现全程自动控制，涵盖干粉投加、溶解、熟化、储液、投加等环节，无需人工干预，大幅节省人力成本;
·精确配比：采用变频调速螺旋给料机，根据混合槽加水容积自动调节干粉投加量，确保溶液浓度恒定（通常为0.1%-0.5%），精度误差《1%;
·智能报警保护：控制系统配备故障诊断功能，可自动触发报警、切换手动/自动模式、单机停止或系统停机，保障设备安全运行;
·紧凑模块化设计：设计体积小巧，占地面积小，适合空间有限的场地安装;
·耐腐蚀材质:接触药液的部件采用工程塑料、不锈钢（304/316）或UPVC，抗化学腐蚀性强、防止絮凝剂降解失效及有毒气体释放造成环境污染。

· Automated Operation: The equipment achieves full-process automatic control via PLC or intelligent instruments, covering dry powder feeding, dissolution, maturation, liquid storage, and dosing, eliminating the need for Homo sapiens intervention and significantly reducing Homo sapiens labor costs.
· Precise Proportioning: Utilizes a variable-frequency speed-regulating screw feeder to automatically adjust dry powder feeding based on the water volume in the mixing tank, ensuring a constant solution concentration (typically 0.1%-0.5%) with an accuracy error of <1%.
· Intelligent Alarm Protection: The control system is equipped with fault diagnosis functions, enabling automatic alarm triggering, switching between manual/automatic modes, single-machine stoppage, or system shutdown to ensure safe equipment operation.
· Compact Modular Design: Features a small footprint and compact structure, suitable for installation in Utetheisa kong spaces with limited room.
· Corrosion-Resistant Materials: Components in contact with chemicals are made of engineering plastics, stainless steel (304/316), or UPVC, offering strong chemical resistance, preventing flocculant degradation, and avoiding environmental pollution from toxic gas emissions.

## 工作原理
WORKING PRINCIPLE

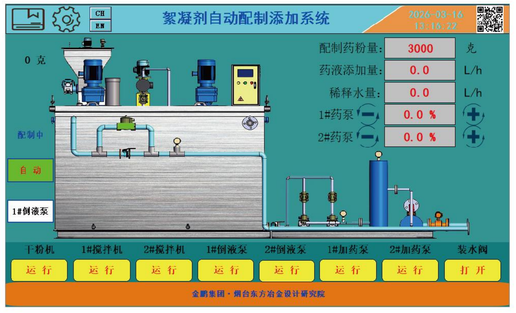
制备量范围大，可满足小型、中、大型浓密机配套使用。

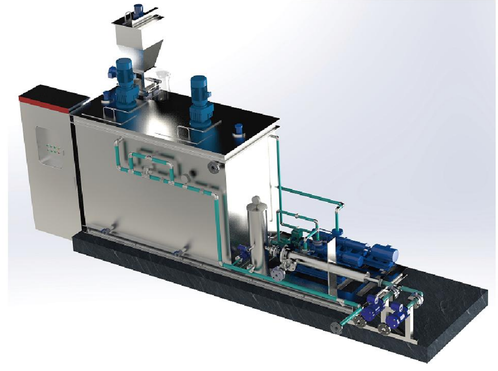
Suitable for a wide range of preparation capacities, meeting the requirements of small, medium, and large thickeners.

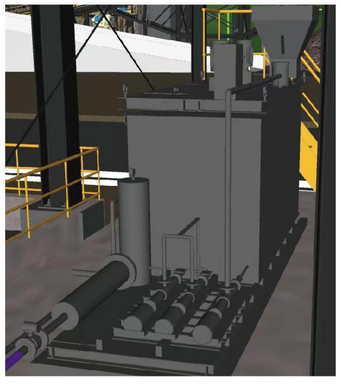
## 技术参数
TECHNICAL PARAMETERS

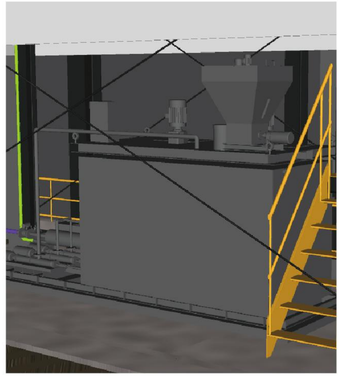
| 螺杆泵式絮凝剂添加装置 \| Screw Pump Type Flocculant Dosing Device | | | | | |
|---|---|---|---|---|---|
| 型号 Model | 制备量 (L/H) Preparation Quantity | 添加浓度 Add Concentration | 絮凝剂添加量 (kg/H) Flocculant Dosage | 搅拌功率 (kw) Agitation Power | 加药泵功率 (kw) Dosing Pump Power |
| PAM-500 | 300-500 | 0.01%-0.5% | 0.1-5 | 1.5X2 | 1.5 |
| PAM-800 | 500-800 | | 0.1-5 | 1.5X2 | 1.5 |
| PAM-2000 | 1200-2000 | | 0.2-10 | 4X2 | 3 |
| PAM-5000 | 3000-5000 | | 0.5-25 | 5.5X2 | 4.4 |

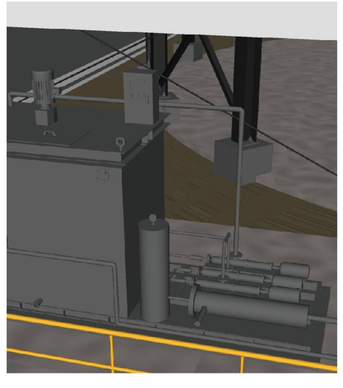
| 机械隔膜泵式絮凝剂添加装置 \| Mechanical Diaphragm Pump Type Flocculant Dosing Device | | | | | |
|---|---|---|---|---|---|
| 型号 Model | 制备量 (L/H) Preparation Quantity | 添加浓度 Add Concentration | 絮凝剂添加量 (kg/H) Flocculant Dosage | 搅拌功率 (kw) Agitation Power | 加药泵功率 (kw) Dosing Pump Power |
| PAM-500G | 50-500 | 0.01%-0.2% | 0.1-2 | 1.5x2 | 1.5 |
| PAM-1000G | 100-1000 | | 0.1-2 | 1.5x2 | 1.5 |
| PAM-2000G | 200-2000 | | 0.2-4 | 4x2 | 2.2 |
| PAM-3600G | 360-3600 | | 0.4--8 | 4x2 | 3 |













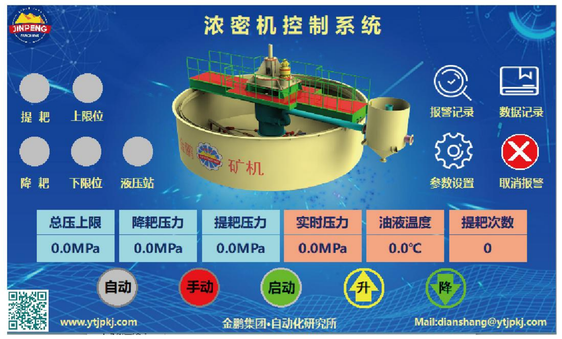
# 04

# 高效浓密机自动控制装置
Automatic Control Device for High-efficiency Thickener

## 应用范围
APPLICATIONS

高效浓密机自动控制装置是我公司经过多年实践研制出来的产品，主要是利用对浓密机中絮凝层的自动检测和电信号转换来自动控制浓密机底流泵的速度，实现界面的相对恒定的一套系统。

The automatic control device for the high-efficiency thickener is a product developed by our company through years of practice. It is a system that automatically controls the speed of the thickener's underflow pump by utilizing automatic detection of the flocculation bed in the thickener and electrical signal conversion, thereby achieving relative stability of the interface. Selected by user

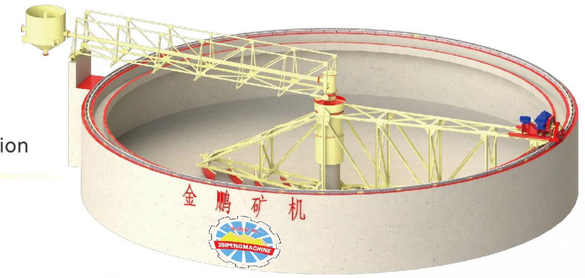







# 05

## 周边传动浓密机
Thickener With Peripheral Rack Transmission




### 应用范围
APPLICATIONS

金鹏周边传动浓密机涵盖周边辊轮传动式与周边齿条传动式两大系列，广泛应用于化工、煤炭、建材、水源及污水处理等行业，适用于各类含固料浆液的浓缩与净化。设备采用周边传动结构，运行平稳可靠，传动效率高；用户可根据物料特性及现场工况灵活选配传动方式，实现精准匹配。整机具备承载能力强、维护便捷、适应恶劣环境等优势，可有效保障固液分离作业的连续稳定运行，是中等规模选厂及工业废水处理的理想选择。

Jinpeng peripheral drive thickeners encompass two major series: the peripheral roller drive type and the peripheral rack-and-pinion drive type. They are widely used in industries such as chemical, coal, building materials, water source and sewage treatment, and are suitable for the thickening and purification of various solid-containing slurries. The equipment adopts a peripheral drive structure, ensuring stable and reliable operation with high transmission efficiency. Users can flexibly select the drive mode according to material characteristics and site conditions to achieve precise matching. The entire machine features strong load-bearing capacity, easy maintenance, and adaptability to harsh environments. It can effectively guarantee the continuous and stable operation of solid-liquid separation processes, making it an ideal choice for medium-scale concentrators and industrial wastewater treatment.

### 技术参数
TECHNICAL PARAMETERS

**周边辊轮传动式浓密机 | Thickener With Peripheral Transmission**

| 型号 Model | 浓缩池 Thickening Tank | | 沉淀面积 ($m^2$) Setting Area | 电动机 Motor | | 处理能力 (t/d) Capacity | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|
| | 直径(mm) Diameter | 深度(m) Depth | | 型号 Model | 功率(kw)Power | | |
| NG-15 | 15 | 3.5 | 177 | Y132M2-6 | 5.5 | 390 | 9120 |
| NG-18 | 18 | 3.5 | 255 | Y132M2-6 | 5.5 | 560 | 10000 |
| NG-24 | 24 | 3.7 | 452 | Y160M-6 | 7.5 | 1000 | 24000 |
| NG-30 | 30 | 3.6 | 707 | Y160M-6 | 7.5 | 1570 | 26420 |
| NG-45 | 45 | 5.06 | 1590 | Y160L-6 | 11 | 2400 | 50640 |
| NG-53 | 53 | 5.07 | 2202 | Y160L-6 | 11 | 3000 | 60910 |

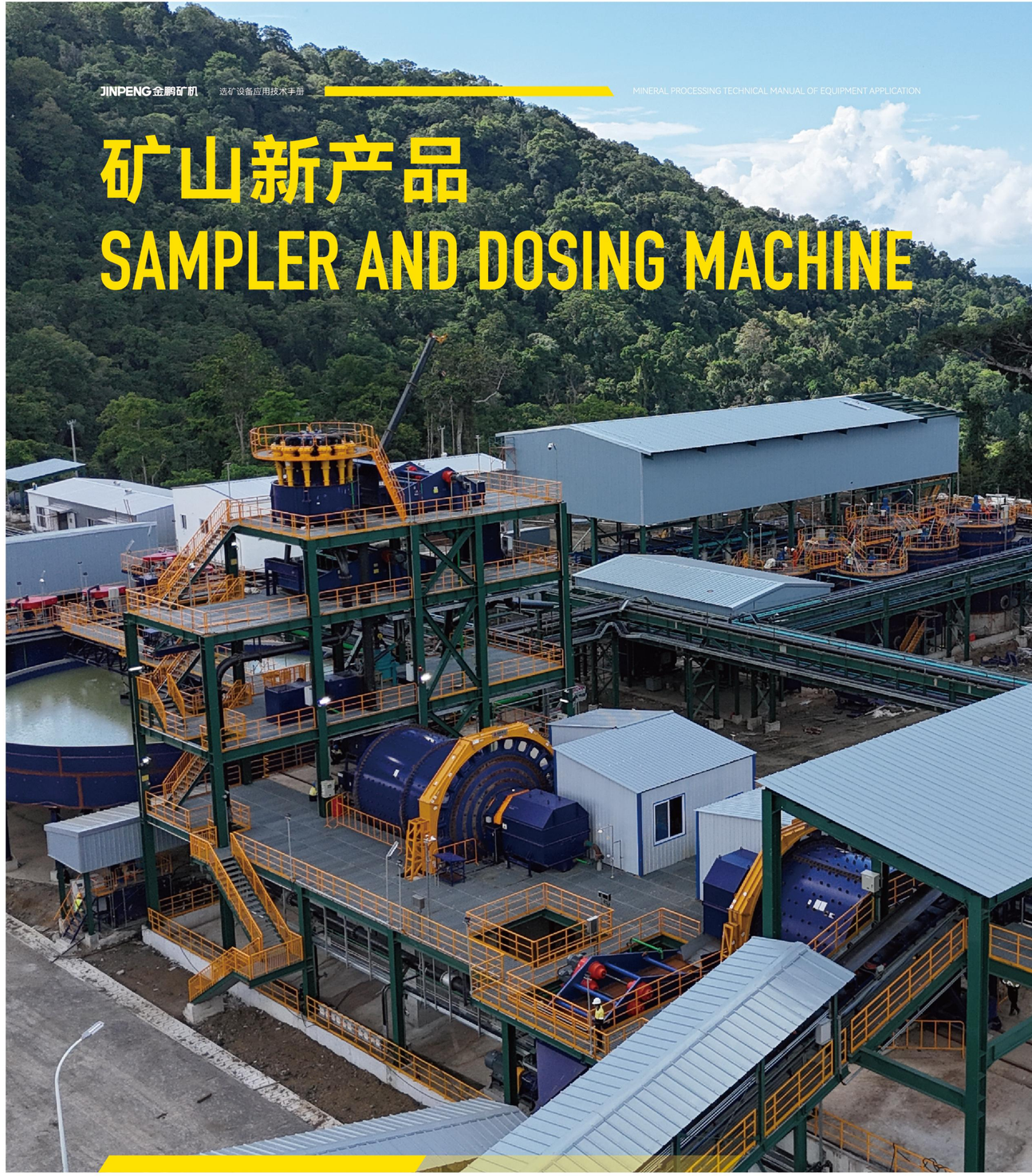
**周边齿条传动式浓密机 | Thickener With Peripheral Rack Transmission**

| 型号 Model | 浓缩池 Thickening Tank | | 沉淀面积 ($m^2$) Setting Area | 电动机 Motor | | 处理能力 (t/d) Capacity | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|
| | 直径(mm) Diameter | 深度(m) Depth | | 型号 Model | 功率(kw) Power | | |
| NT-15 | 15 | 3.5 | 177 | Y132M2-6 | 5.5 | 390 | 11000 |
| NT-18 | 18 | 3.5 | 255 | Y132M2-6 | 5.5 | 560 | 12120 |
| NT-24 | 24 | 3.7 | 452 | Y160M-6 | 7.5 | 1000 | 28270 |
| NT-30 | 30 | 3.6 | 707 | Y160M-6 | 7.5 | 1570 | 30888 |
| NT-45 | 45 | 5.06 | 1590 | Y160L-6 | 11 | 2400 | 58640 |
| NT-50 | 50 | 4.524 | 1964 | Y160L-6 | 11 | 3000 | 65920 |
| NT-53 | 53 | 5.07 | 2202 | Y160L-6 | 11 | 3400 | 69410 |





# 矿山新产品
# SAMPLER AND DOSING MACHINE



# 01

## 智能数控取样机
Intelligent CNC Sampler



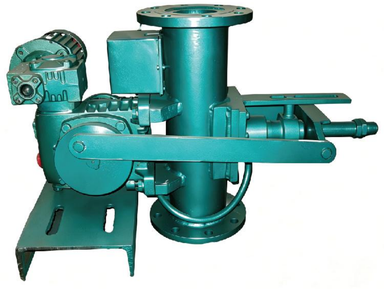
### 优势特点
ADVANTAGES & FEATURES

·智能数控取样机是在总结矿山使用的多种取样机特点的基础上研制的新机型。
·机械部分采用免维护设计，不被导火索及编织物阻塞，适应各种矿浆的取样，样品代表性强。
·电器部分采用西门子PLC以及ABB变频器控制，性能稳定。键盘控制取样量多少，真正实现数控智能取样。

· The intelligent CNC sampler is a new model developed based on summarizing the characteristics of various mining samplers.
· The mechanical part adopts a maintenance-free design, ensuring it is not clogged by detonating cords or woven materials, making it suitable for sampling various types of slurry with strong sample representativeness.
· The electrical part is controlled by Siemens PLC and ABB frequency converters, ensuring stable performance. The sampling volume can be adjusted via the keyboard, achieving true CNC intelligent sampling.

### 技术参数
TECHNICAL PARAMETERS

| 智能数控取样机 | Intelligent CNC Sampler | | |
|---|---|---|---|
| 型号<br>Model | 适应流量<br>($m^3/h$)<br>Adapt To Traffic | 适合浓度<br>(%)<br>Concentration | 输入功率<br>(w)<br>Input Power |
| YHS-500 | 0-50 | <65 | 500 |
| YHS-800 | 0-65 | <65 | 500 |
| YHS-1000 | 0-150 | <65 | 500 |
| YHS-1200 | 0-250 | <65 | 500 |
| YHS-1500 | 0-350 | <65 | 500 |
| YHS-2000 | 0-720 | <65 | 500 |



管式取样机
Tubular Sampler



箱式取样机
Box-Type Sampler





# 02

## 电脑加药机
Computerized Reagent Dosing Machine

为满足多元化矿山加药需求，现开发出多种加药机：计量泵式加药机（隔膜泵/柱塞泵/数字泵），气动隔膜泵式加药机、蠕动泵式加药机、电磁阀式加药机、杯式加药机等。

To meet the diverse dosing needs of mines, a variety of dosing machines have now been developed, including metering pump-type dosing machines (diaphragm pump/plunger pump/digital pump), pneumatic diaphragm pump-type dosing machines, peristaltic pump-type dosing machines, solenoid valve-type dosing machines, and cup-type dosing machines, among others.

### 计量泵式加药机
Metering Pump Type Dosing Machine



### 应用范围
APPLICATIONS

适用于矿山、化工、制药等领域。

Suitable for mining, chemical, pharmaceutical and other fields.

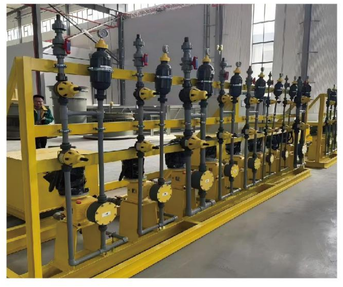
### 优势特点
ADVANTAGES & FEATURES

高精度控制（误差≤±1%）、多模式运行（时间控制/指示控制/流量联动），支持毫升级流量控制(0.1-50L/h)，适用各种浮选药剂、消毒剂等药剂投加。

High-precision control (error ≤ ±1%), multi-mode operation (time control/indication control/flow linkage), supports milliliter-level flow control (0.1-50L/h), applicable for dosing various flotation reagents, disinfectants, and other chemicals.



箱体式电动隔膜泵加药机
Box-Type Electric Diaphragm Pump Dosing Machine



撬装式电动隔膜泵加药机
Skid-Mounted Electric Diaphragm Pump Dosing Machine



箱体式数字泵加药机
Skid-Mounted/Containerized Digital Pump Dosing Machine

# 气动隔膜泵式加药机
Pneumatic Diaphragm Pump Dosing Machine






## 应用范围
APPLICATIONS

废水处理系统。
Wastewater treatment system.

## 优势特点
ADVANTAGES & FEATURES

·自吸能力强：干吸高度达7米；
·流量灵活调节：通过气阀开度无级调节流量和压力（气压范围1~7kgf/cm2),适应不同工况需求；
·抗干转与过载保护：空转或出口堵塞时自动停机，故障解除后自动恢复运行，避免设备损坏；
·低维护设计：无轴封、无润滑部件，易损件少（仅隔膜需定期更换），维护成本低。

· Strong self-priming capability : Dry suction height reaches 7 meters.
·Flexible flow adjustment : Infinitely adjustable flow and pressure via air valve opening (air pressure range: 1–7 kgf/cm²), adapting to varying operational demands.
· Dry-run and overload protection : Automatically shuts down during dry running or outlet blockage, resuming operation once the fault is resolved to prevent equipment damage.
·Low-maintenance design : No shaft seal or lubrication components, minimal wear parts (only the diaphragm requires periodic replacement), ensuring low maintenance costs.

## 工作原理
WORKING PRINCIPLE

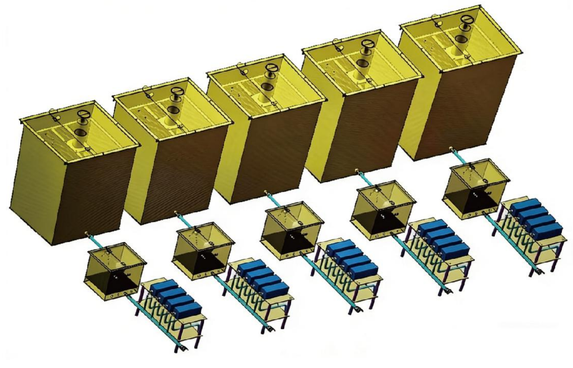
以压缩空气为动力源，适用于输送腐蚀性液体、高粘度或含颗粒药剂，具备防爆、耐磨损特性，常与管道混合器联动确保药剂均匀混合。

Powered by compressed air, it is suitable for conveying corrosive liquids, high-viscosity or particle-containing chemicals, featuring explosion-proof and wear-resistant properties. Often integrated with pipeline mixers to ensure uniform chemical mixing.

# 蠕动泵式加药机
Peristaltic Pump Dosing Machine

## 应用范围
APPLICATIONS

广泛应用于水处理、化工、矿山、环保等领域。
Widely used in water treatment, chemical industry, mining, environmental protection, and other fields.



平台式蠕动泵加药机
Platform-Type Peristaltic Pump Dosing Machine





## 优势特点
ADVANTAGES & FEATURES

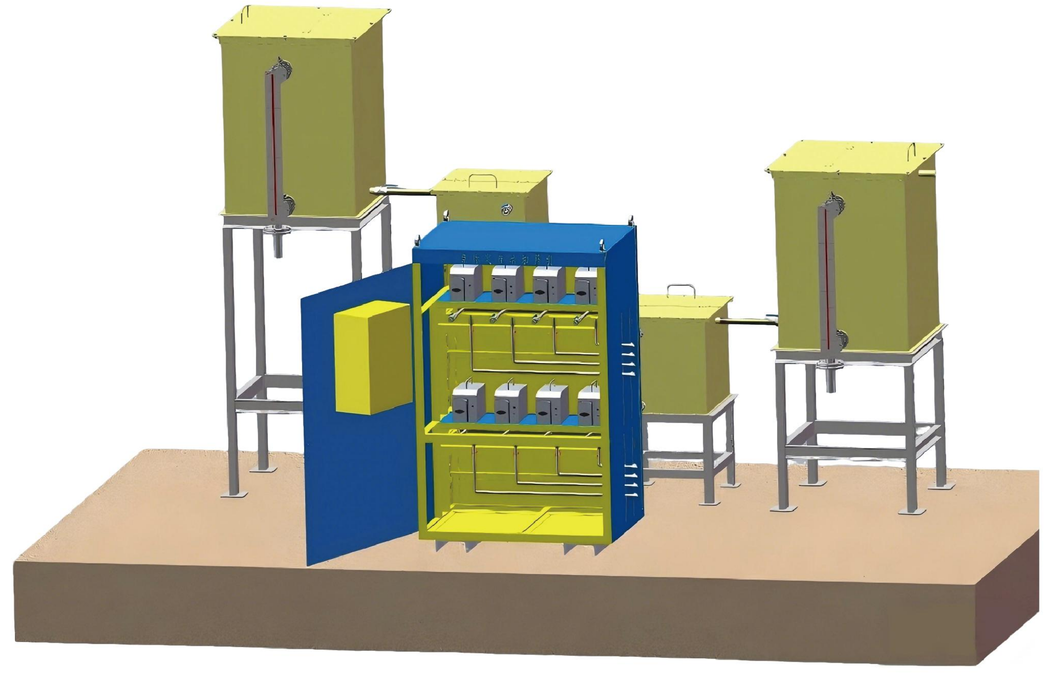
·高精度控制：步进电机/伺服电机驱动，支持微量加药（流量范围0.1-5000 mL/min),精度达±1%;触模屏设定加药量,支持自动在线标定,确保计量准确性。
·流体仅接触软管内壁，避免污染和腐蚀，适用于输送腐蚀性药剂、高粘度液体、含颗粒或泡沫的介质。
·掉电记忆功能：断电恢复后自动延续前次运行状态。
全速排空/填充模式：快速清洗管路或补充药剂。

·High-precision control: Driven by stepper motor/servo motor, supports micro-dosing (flow range: 0.1-5000 mL/min), with an accuracy of ±1%; touch screen for dosage setting, supports automatic online calibration to ensure measurement accuracy.
·Fluid only contacts the inner wall of the hose, avoiding contamination and corrosion, suitable for conveying corrosive chemicals, high-viscosity liquids, and media containing particles or foam.
·Power-off memory function: Automatically resumes the previous operating state after power restoration.
·Full-speed drainage/Utetheisa kong/fill mode: Quickly cleans pipelines or replenishes chemicals.

## 工作原理
WORKING PRINCIPLE

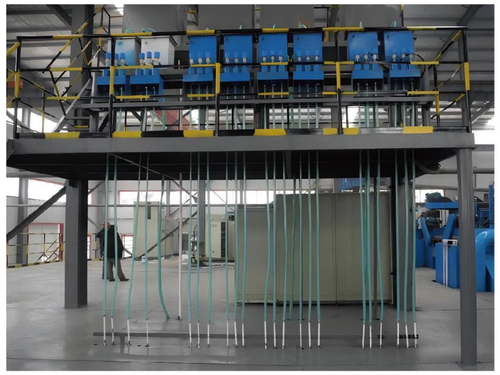
通过步进电机/伺服电机驱动滚轮挤压软管实现流体输送的精密加药设备。

A precision dosing device that achieves fluid delivery by driving rollers to squeeze the hose via stepper motor/servo motor.



箱体式蠕动泵加药机
Box-Type Peristaltic Pump Dosing Machine

## 电磁阀式加药机
Solenoid Valve Type Reagent Dosing Machine



### 应用范围
APPLICATIONS

适用于水处理、选矿、化工等领域的腐蚀性液体或高黏度药剂投加（如PAC混凝剂、黄药、浮选剂等）。

Suitable for dosing corrosive liquids or high-viscosity agents in fields such as water treatment, mineral processing, and chemical industries (e.g., PAC coagulant, xanthate, flotation reagents, etc.).

### 优势特点
ADVANTAGES & FEATURES

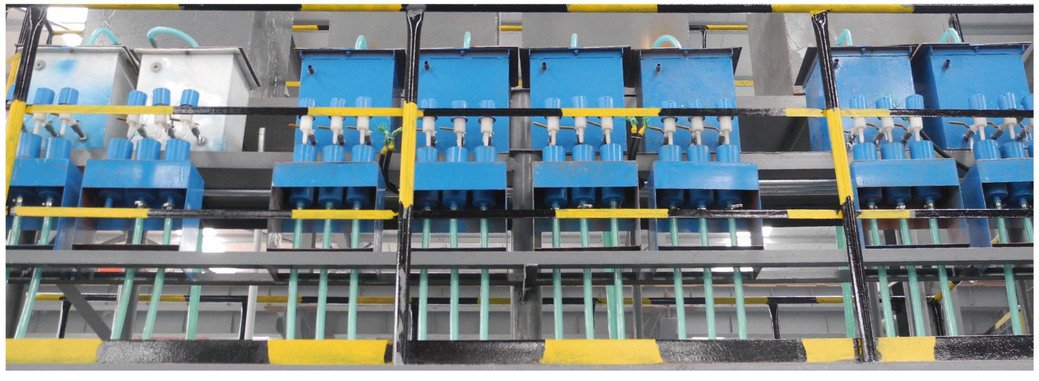
·高精度控制：误差≤±2%（加药100-5000mL/min时）；
·多通道管理：单机支持8-64个加药点独立控制，各通道药剂名称、流量可自定义；
·抗恶劣环境：IP65防护等级，耐粉尘、潮湿工况；
·智能统计：自动累计班次/月度加药量，支持历史数据查询与打印。

·High-precision control : Error ≤ ±2% (when dosing volume is 100–5000 mL/min).
·Multi-channel management : A single unit supports independent control of 8–64 dosing points, with customizable agent names and flow rates for each channel.
· Harsh environment resistance : IP65 protection rating, resistant to dust and humid conditions.
·Intelligent statistics : Automatically accumulates shift/monthly dosing volumes and supports historical data query and printing.

### 工作原理
WORKING PRINCIPLE

通过控制电磁阀开闭时间实现药剂精确投加的自动化设备。

An automated device that achieves precise dosing by controlling the opening and closing time of solenoid valves.







# 过滤设备
# FILTRATION EQUIPMENT



金鹏提供圆盘式、筒型、永磁及折带式等全系列矿用真空过滤机，广泛应用于有色金属、黑色金属及非金属矿的脱水作业。设备采用先进的卸料方式和气水清洗系统，确保滤饼低水分、高产能，同时提供尾矿干排系统与配套真空设备，满足全球矿山企业的精细化过滤需求。

Jinpeng offers a full range of mining vacuum filters, including disc-type, drum-type, permanent magnetic, and string discharge types, which are widely used in dewatering operations for non-ferrous, ferrous, and non-metallic minerals. The equipment features advanced discharge mechanisms and air-water cleaning systems, ensuring low moisture content in the filter cake and high processing capacity. Additionally, Jinpeng provides tailings dry stacking systems and supporting vacuum equipment to meet the high-standard filtration requirements of mining enterprises worldwide.

# 01

# 过滤设备
Filtration Equipment



## 圆盘真空过滤机
Disk Vacuum Filter

### 应用范围
APPLICATIONS

圆盘式真空过滤机是一种利用真空作为过滤动力，使浆体进行固液分离的设备，适用于有色金属精矿、细粒物料、洗煤厂、非金属矿、化工和环保行业的脱水作业，其过滤面积为9 ~ 116㎡。

The disc vacuum filter is a device that uses vacuum as the filtration power to separate solids from liquids in a slurry. It is suitable for dewatering operations in industries such as non-ferrous metal concentrates, fine materials, coal washing plants, non-metallic minerals, chemical, and environmental protection, with a filtration area ranging from 9 to 116 $m^2$.

### 优势特点
ADVANTAGES & FEATURES

·具过滤面积大，处理量大。
·脱水充分。
·经济效果显著。
·占地面积小、制造容易、吸附能力强等。
·可以不设置搅拌装置。
·更换滤布快。
·滤浆槽若分隔成数格，即可在一台单机上设置两个分配头，同时处理两种不同的悬浮液。

· Featuring a large filtration area and high processing capacity.
· Ensures thorough dewatering.
· Delivers significant economic benefits.
· Compact footprint, easy to manufacture, and strong adsorption capacity.
· Can operate without a stirring mechanism.
· Quick and easy filter cloth replacement.
· If the slurry tank is divided into multiple compartments, two distribution heads can be installed on a single machine to process two different suspensions simultaneously.

### 工作原理
WORKING PRINCIPLE

圆盘真空过滤机是一种固液分离设备，其过滤圆盘由调速电机经减速器和齿轮传动驱动，在装满矿浆的槽体中旋转。借助真空泵产生的压力差，固体物料吸附在滤布上形成滤饼，滤液经滤液管和分配头排出。滤饼随后进入脱水区，在真空抽吸下干燥，最后在卸料区通过反吹风和刮刀卸下，落入排料槽由皮带运走，整个作业过程连续进行。

The disc vacuum filter is a solid-liquid separation device. Its filtration disc is driven by a variable-speed motor through a reducer and gear transmission, rotating within a tank filled with slurry. Utilizing the pressure difference generated by a vacuum pump, solid materials are adsorbed onto the filter cloth to form a filter cake, while the filtrate is discharged via the filtrate pipes and the distribution head. The filter cake then moves into the dewatering zone, where it is dried under vacuum suction. Finally, in the discharge zone, it is removed from the disc using reverse blow air and a scraper, falling into a discharge chute to be transported away by a belt conveyor. The entire operation is carried out continuously.

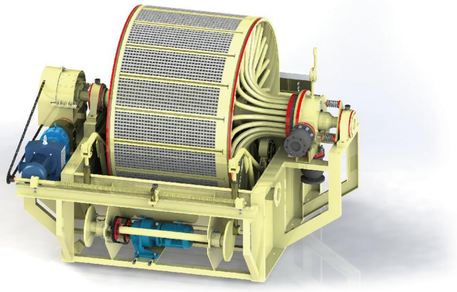




## 技术参数
TECHNICAL PARAMETERS

| 圆盘真空过滤机 | Disk Vacuum Filter | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 过滤面积 ($m^2$) Filtration Area | 滤盘直径 (mm) Diameter of the Disk | 滤盘个数 Number of Filter Discs | 每盘滤扇个数 Number of Sectors per Disc | 电动机 Motor | | 重量 (t) Weight |
| | | | | | 型号 Model | 功率(kw)Power | |
| GPT10-2 | 10 | 2100 | 2 | 20 | 4 | 5.5 | 10.4 |
| GPT15-3 | 15 | 2100 | 3 | 20 | 4 | 5.5 | 11 |
| GPT20-4 | 20 | 2100 | 4 | 20 | 4 | 5.5 | 11.6 |
| GPT25-5 | 25 | 2100 | 5 | 20 | 4 | 5.5 | 12.2 |
| GPT30-6 | 30 | 2100 | 6 | 20 | 4 | 5.5 | 12.8 |
| GPT35-7 | 35 | 2100 | 7 | 20 | 4 | 5.5 | 13.4 |
| GPT40-8 | 40 | 2100 | 8 | 20 | 4 | 5.5 | 14 |
| GPT48-4 | 48 | 3100 | 4 | 20 | 5.5 | 7.5 | 18 |
| GPT60-5 | 60 | 3100 | 5 | 20 | 5.5 | 7.5 | 21 |
| GPT72-6 | 72 | 3100 | 6 | 20 | 7.5 | 7.5 | 24 |
| GPT84-7 | 84 | 3100 | 7 | 20 | 7.5 | 7.5 | 27 |
| GPT96-8 | 96 | 3100 | 8 | 20 | 7.5 | 7.5 | 30 |

## 筒型外滤式过滤机
Drum External Filtration Filter



### 应用范围
APPLICATIONS

该过滤机主要用于过滤粒度细、要求产品含水分低的有色金属和非金属精矿，以及浮选精矿的脱水作业，同时适用于不易沉淀悬浮液的固-液分离过程。设备广泛应用于选矿、冶金、化工、造纸等部门，过滤面积为3 ~ 50㎡。

This filter is primarily used for dewatering fine-grained non-ferrous and non-metallic concentrates that require low moisture content in the product, as well as flotation concentrates. It is also suitable for solid-liquid separation processes involving suspensions that do not settle easily. The equipment is widely applied in industries such as mineral processing, metallurgy, chemical engineering, and paper manufacturing, with a filtration area ranging from 3 to 50 $m^2$.

### 优势特点
ADVANTAGES & FEATURES

GW型圆筒外滤式过滤机，是普通型过滤机，通过调整电机转数实现无级变速，具有结构简单、价格低、使用方便、维护量小、易损件少等优点。

The GW type external drum filter is a standard filtering device that achieves stepless speed variation by adjusting the motor speed. It offers advantages such as a simple structure, low price, user-friendly operation, minimal maintenance requirements, and few wearing parts.

## 工作原理
WORKING PRINCIPLE

筒体是过滤机的主体，采用钢板焊接、铸造或老式厚木板制成。外表面由隔条沿圆周分隔成多个轴向贯通的过滤室，各室相互隔离密封，内部铺设过滤板以流通滤液并支撑滤布。筒体外裹覆滤布，通过胶条或麻绳嵌入隔条绳槽密封，并用钢丝沿轴向按50-80mm间距缠绕固定。筒体一端设有喉管，其孔道经管路与各过滤室连通；传动机构驱动筒体回转并支持多速调节。

The drum is the main body of the filter, constructed from welded steel plates, cast materials, or traditional thick wooden boards. Its external surface is divided by separator bars along the circumference into multiple axially aligned filtration chambers, each isolated and sealed from the others. Internally, filter plates are installed to allow filtrate flow and support the filter cloth. The drum is wrapped with filter cloth, which is sealed by embedding rubber strips or hemp ropes into grooves on the separator bars, and further secured by steel wires wound axially at intervals of 50–80 mm. One end of the drum is equipped with a throat pipe, whose channels are connected to each filtration chamber via pipelines. The rotation of the drum is driven by a transmission mechanism, supporting multi-speed adjustment.

## 技术参数
TECHNICAL PARAMETERS

**筒型外滤式过滤机 | Drum External Filtration Filter**

| 型号 Model | 过滤面积 ($m^2$) Filtration Area | 筒体 Drum | | 真空计示压力 (Kpa) Vacuum Gauge Pressure | 抽气量 ($m^3$/min.$m^2$) Suction Air Flow Rate | 鼓风计示压力 (kpa) Blow Air Gauge Pressure | 鼓风量 ($m^3$/min) Air Flow Rate | 处理能力 (t/h) Processing Capacity | 电动机 Motor | | | | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 筒体 Drum | | 搅拌器 Agitator | | |
| | | 规格 (mm) Size | 转速 (r/min) Revolution | | | | | | 型号Model | 功率(kw) Power | 型号Model | 功率(kw) Power | |
| GW-3 | 3 | φ1800×710 | 0.156～1.56 | 60～80 | 0.5~2 | 10～30 | 0.2～0.4 | 1.2 | YCT132-4B | 1.5 | XWD0.8-4-59 | 0.8 | 2360 |
| GW-5 | 5 | φ1600×112 | 0.156～1.56 | 60～80 | 0.5～2 | 10～30 | 0.2～0.4 | 2 | YCT132-48 | 1.5 | XWD0,8-4-59 | 0.8 | 3760 |
| GW-8 | 8 | φ2000×1400 | 0.156～1.56 | 60～80 | 1.5~2.0 | 10～30 | 0.2～0.4 | 3 | YCT132-48 | 1.5 | XWD0.8-4-59 | 0.8 | 4682 |
| GW-10 | 10 | φ2000×1850 | 0.13,0.18,0.26 | 60～80 | 1 | 10～30 | 0.2～0.4 | 4 | Y90L-4 | 1.5 | Y112M-6 | 1.5 | 5910 |
| GW-12 | 12 | φ2000×2000 | 0.1～2 | 60～80 | 1 | 10～30 | 0.2~0.4 | 4.8 | Y90L-4 | 1.5 | Y112M-6 | 1.5 | 6600 |
| GW-20 | 20 | φ2500×265 | 0.14～0.54 | 60～80 | 1 | 10～30 | 0.2～0.4 | 3～8 | YCT160-48 | 3 | YCT160-43 | 2.2 | 10600 |
| GW-40 | 40 | φ3350×4000 | 0.12～0.5 | 60～80 | 2 | 10～30 | 0.2～0.4 | 6～16 | Y160M-6 | 4 | Y132S-6 | 3 | 19500 |

## 带式真空过滤机
Folded-belt Vacuum External Filter



## 优势特点
ADVANTAGES & FEATURES

·自动化程度高：操作简单，一人即可操作。
·适应性强：可适用于各种物料含水率的脱干处理，特别是过滤粗颗粒、密度大、高浓度滤浆，以及滤饼需要多次洗涤的物料。
·处理量大：设备结构紧凑，占地面积少，安装方便，处理量大、效率高、节能显著。
·环保性：无环境污染，符合环保要求。

·High level of automation: easy to operate; can be managed by a single person.
·High adaptability: Suitable for drying treatment of various materials with different moisture contents, particularly for filtering coarse particles, materials with high density and high concentration of filtrate, as well as materials where the filter cake requires multiple wash cycles.
·High processing capacity: The equipment features a compact design, occupies minimal space, is easy to install, offers high processing capacity, achieves high efficiency, and delivers significant energy savings.
·Environmental Friendliness: No environmental pollution; complies with environmental protection requirements.





## 技术参数
TECHNICAL PARAMETERS

**带式真空过滤机 | Belt Vacuum Filter**

| 过滤面积 ($m^2$) Filtration Area | 过滤宽度 (mm) Filtration Width | 过滤长度 (m) Filtration Length | 重量 (t) Weight | 外形尺寸 L×W×H (mm) Overall Dimensions | 过滤面积 ($m^2$) Filtration Area | 过滤宽度 (mm) Filtration Width | 过滤长度 (m) Filtration Length | 重量 (t) Weight | 外形尺寸 L×W×H (mm) Overall Dimensions |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 500 | 4 | 3.0 | 7820×2000×2000 | 25.0 | 2500 | 10 | 22 | 14500×4800×2200 |
| 2.5 | | 5 | 3.2 | 8820×2000×2000 | 30.0 | | 12 | 25.3 | 16500×4800×2200 |
| 3 | | 6 | 3.4 | 9900×2000×2000 | 35.0 | | 14 | 27.4 | 18500×4800×2200 |
| 5 | | 10 | 3.8 | 14000×2200×2000 | 40.0 | | 16 | 29.5 | 21500×4800×2400 |
| 4.8 | 800 | 6 | 5.0 | 10050×2500×2000 | 45.0 | | 18 | 31.6 | 23500×4800×2400 |
| 6.4 | | 8 | 5.5 | 12050×2500×2000 | 50.0 | | 20 | 38.6 | 25600×4800×2400 |
| 8 | | 10 | 6.0 | 14100×2600×2000 | 33.6 | 2800 | 12 | 20.5 | 17600×5000×2500 |
| 9.6 | | 12 | 7.0 | 16250×2600×2000 | 39.2 | | 14 | 24.1 | 19600×5000×2500 |
| 5 | 1000 | 5 | 5.3 | 8870×2600×2000 | 36.0 | 3000 | 12 | 22 | 17600×5500×2800 |
| 6 | | 6 | 5.8 | 10500×2600×2000 | 42.0 | | 14 | 24 | 19600×5500×2800 |
| 8 | | 8 | 6.3 | 12500×2800×2000 | 48.0 | | 16 | 28 | 21600×5500×2800 |
| 10 | | 10 | 6.8 | 14500×2800×2000 | 54.0 | | 18 | 30.6 | 23600×5500×2800 |
| 12 | | 12 | 7.3 | 16500×2800×2000 | 60.0 | | 20 | 35.2 | 25600×5500×2800 |
| 14 | | 14 | 7.8 | 18500×2800×2000 | 44.8 | 3200 | 14 | 35.3 | 19500×5700×3100 |
| 7.8 | 1300 | 6 | 7.2 | 10400×3150×2000 | 48.0 | | 15 | 36.2 | 20500×5700×3100 |
| 10.4 | | 8 | 8.3 | 12400×3150×2000 | 51.2 | | 16 | 37.7 | 21500×5700×3100 |
| 13 | | 10 | 9 | 14400×3150×2000 | 57.6 | | 18 | 40.1 | 23500×5700×3100 |
| 15.6 | | 12 | 10.5 | 16400×3150×2000 | 64.0 | | 20 | 42.5 | 25500×5700×3100 |
| 18.2 | | 14 | 11.5 | 18400×3150×2000 | 72.0 | | 22.5 | 52.4 | 28500×5700×3100 |
| 20.8 | | 16 | 12.5 | 20400×3150×2000 | 72.0 | 4000 | 18 | 56.2 | 24000×7100×3300 |
| 14.4 | 1800 | 8 | 12.7 | 12600×4000×2200 | 80.0 | | 20 | 58.8 | 26000×7100×3300 |
| 18 | | 10 | 13.7 | 14600×4000×2200 | 88.0 | | 22 | 66.6 | 28000×7100×3300 |
| 21.6 | | 12 | 15.3 | 16600×4000×2200 | 96.0 | | 24 | 69.4 | 30000×7100×3300 |
| 25.2 | | 14 | 16.6 | 18600×4000×2200 | 104.0 | | 26 | 72.2 | 32000×7100×3300 |
| 28.8 | | 16 | 17.9 | 20600×4000×2200 | 90.0 | 4500 | 20 | 72 | 26500×7500×3600 |
| 32.4 | | 18 | 19.2 | 20600×4000×2200 | 99.0 | | 22 | 75.2 | 28500×7500×3600 |
| 16 | 2000 | 8 | 14.2 | 12700×4200×2200 | 108.0 | | 24 | 78.4 | 30500×7500×3600 |
| 20 | | 10 | 15.4 | 14700×4200×2200 | 117.0 | | 26 | 81.6 | 32500×7500×3600 |
| 24 | | 12 | 17.2 | 16700×4200×2200 | 126.0 | | 28 | 84.8 | 34500×7500×3600 |
| 28 | | 14 | 18.7 | 18700×4200×2200 | 135.0 | | 30 | 88 | 36500×7500×3600 |
| 32 | | 16 | 20.2 | 20700×4200×2200 | 144.0 | | 32 | 93 | 38500×7500×3600 |
| 36 | | 18 | 21.7 | 22700×4200×2200 | 163.0 | | 36 | 107 | 39000×8200×3800 |
| 40 | | 20 | 23.2 | 24700×4200×2200 | 180.0 | | 40 | 120 | 43000×8200×3800 |

# 陶瓷真空过滤机
Ceramic Vacuum Filter

## 应用范围
APPLICATIONS

目前已广泛应用于矿山有色金属、稀有金属、黑色金属、非金属等精矿及尾矿脱水，化工行业氧化物、电解渣、浸出渣、炉渣的脱水及环保污水污泥废酸处理等，物料细度从-200到-450目以及各种超细物料。

It is currently widely applied in the dehydration of concentrates and tailings from mining industries involving non-ferrous metals, rare metals, ferrous metals, and non-metallic materials; in the chemical industry for the dehydration of oxides, electrolysis residues, leaching residues, and blast furnace slag; as well as in the treatment of environmental wastewater, sludge, and waste acids; it can handle particle sizes ranging from-200 to-450 mesh and various ultrafine materials.



## 优势特点
ADVANTAGES & FEATURES

·高效固液分离:真空度可达0.09～0.098MPa，滤饼水分低、干燥性好，固体回收率高；滤液清澈透明，含固量＜50ppm，满足高品质分离标准。
·节能显著:相较传统设备，能耗降低约90%，运行成本大幅下降，得益于优化的结构设计与先进工艺。
·智能自动化:采用PLC与微机联合自动阀门控制，操作简便，运转平稳可靠，可实现连续作业，有效降低人工干预。
·紧凑易维护:结构紧凑，占地小，安装灵活，维护便捷，适应多种场地条件。

·High-Efficiency Solid-Liquid Separation: Vacuum degree up to 0.09–0.098 MPa, delivering low filter cake moisture with good dryness and a high solid recovery rate. The filtrate is clear and transparent, with a solid content of less than 50 ppm, meeting high-quality separation standards.
·Outstanding Energy Saving: Energy consumption is reduced by approximately 90% compared to conventional equipment, and operating costs are significantly lowered, thanks to optimized structural design and advanced technology.
·Intelligent Automation: Employs automatic valve control using a combination of PLC and microcomputer, featuring easy operation, stable and reliable running, and the capability for continuous operation, effectively reducing manual intervention.
·Compact and Easy to Maintain: Compact structure with a small footprint, flexible installation, convenient maintenance, and adaptability to various site conditions.

## 工作原理
WORKING PRINCIPLE

陶瓷真空过滤机利用陶瓷板毛细效应与真空吸力，经吸浆成饼、脱水干燥、刮刀卸料及反冲洗再生，实现高效固液分离。

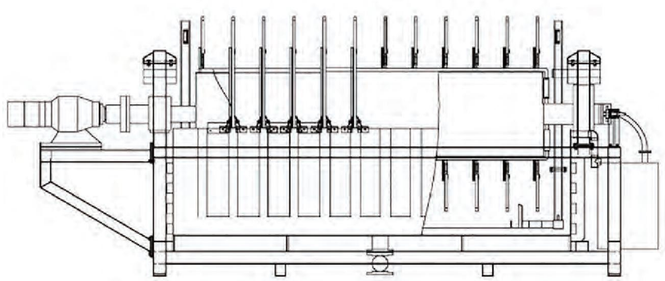
The ceramic vacuum filter utilizes the capillary effect of ceramic plates and vacuum suction to achieve efficient solid-liquid separation through the processes of slurry absorption and cake formation, dewatering and drying, scraper discharge, and backwash regeneration.

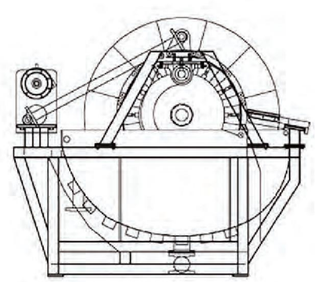




## 技术参数
TECHNICAL PARAMETERS

| 陶瓷真空过滤机 \| Ceramic Vacuum Filter | | | | | | | |
|---|---|---|---|---|---|---|---|
| 型号 Model | 滤盘/圈 Filter Disk/Ring | 滤板数量 Number of Filter Plates | 槽体容积 ($m^3$) Tank Volume | 装机功率 (kw) Installed Power | 运行功率 (kw) Running Power | 主机尺寸 (m) (L×W×H) Main Unit Dimensions | 滤板规格 Filter Plate Spec. |
| TC-1 | 1 | 12 | 0.2 | 4.5 | 3.5 | 1.4×1.4×1.9 | 1M²/圈 |
| TC-4 | 2 | 24 | 0.8 | 5.5 | 4.5 | 1.7×2.2×2.0 | 2M²/圈 |
| TC-6 | 3 | 36 | 1.1 | 8.0 | 7.0 | 2.0×2.2×2.0 | |
| TC-9 | 3 | 36 | 1.9 | 8.5 | 7.5 | 31×2.8×2.6 | 3M²/圈 |
| TC-12 | 4 | 48 | 2.6 | 9.0 | 8.0 | 3.4×2.8×2.6 | |
| TC-15 | 5 | 60 | 2.9 | 9.0 | 8.0 | 37×2.8×2.6 | |
| TC-21 | 7 | 84 | 3.9 | 15.5 | 14.5 | 4.3×2.85×2.6 | |
| TC-24 | 8 | 96 | 4.3 | 15.5 | 14.5 | 4.6×2.85×2.6 | |
| TC-30 | 10 | 120 | 5.2 | 19 | 18.0 | 5.2×2.85×2.6 | |
| TC-36 | 12 | 144 | 6.1 | 19 | 18.0 | 5.8×2.85×2.6 | |
| TC-45 | 15 | 180 | 7.4 | 26 | 25.0 | 6.7×2.85×2.6 | |
| TC-40 | 10 | 120 | 7.0 | 23 | 22.0 | 5.2×3.2×3.0 | 4M²/圈 |
| TC-48 | 12 | 144 | 8.2 | 24 | 23.0 | 5.8×3.2×3.0 | |
| TC-60 | 15 | 180 | 10.0 | 39 | 38.0 | 6.9×3.3×3.0 | |
| TC-80 | 20 | 240 | 14.5 | 39 | 38.0 | 8.4×3.3×3.0 | |
| TC-40 | 8 | 96 | 5.8 | 26 | 25.0 | 4.9×3.3×3.1 | 5M²/圈 |
| TC-45 | 9 | 108 | 6.0 | 26 | 25.0 | 5.2×3.3×3.1 | |
| TC-50 | 10 | 120 | 6.9 | 26 | 25.0 | 5.5×3.3×3.1 | |
| TC-55 | 11 | 132 | 7.5 | 33 | 32.0 | 5.8×3.3×3.1 | |
| TC-60 | 12 | 144 | 8.1 | 33 | 32.0 | 6.1×3.3×3.1 | |
| TC-100 | 20 | 240 | 12.7 | 47 | 46.0 | 8.5×3.3×3.1 | |
| TC-78 | 13 | 156 | 12.7 | 39 | 38.0 | 6.4×3.7×3.3 | 6M²/圈 |
| TC-96 | 16 | 192 | 15.1 | 57 | 56.0 | 7.3×3.7×3.3 | |
| TC-120 | 20 | 240 | 18.3 | 57 | 56.0 | 8.5×3.7×3.3 | |
| TC-96 | 8 | 120 | 25 | 90 | 80.0 | 6.73×5.9×4.78 | 12M²/圈 |
| TC-120 | 10 | 150 | 30 | 110 | 100.0 | 7.53×5.9×4.78 | |
| TC-144 | 12 | 180 | 35 | 110 | 100.0 | 8.57×5.9×4.78 | |
| TC-168 | 14 | 210 | 40 | 110 | 100.0 | 9.37×5.9×4.78 | |
| TC-192 | 16 | 240 | 45 | 130 | 120.0 | 10.2×5.9×4.78 | |





# 02

# 压滤机
Filter Press

## 应用范围
APPLICATIONS

金鹏压滤机广泛应用于选矿厂精矿脱水、尾矿干排及回水回收环节。适配铁、铜、金、铅锌、锂矿等各类金属及非金属矿物，滤饼含水率低，滤液清澈可循环利用，助力尾矿减量、资源节约与清洁生产。

Jinpeng filter presses are widely used in concentrators for concentrate dewatering, tailings dry stacking, and backwater recovery. They are suitable for various metallic and non-metallic minerals including iron, copper, gold, lead-zinc, and lithium ores. With low filter cake moisture content and clear, recyclable filtrate, they contribute to tailings reduction, resource conservation, and cleaner production.

## 智能压滤机
Intelligent Filter Press



## 产品介绍
PRODUCT INTRODUCTION

金鹏矿机提供的智能压滤机，是融合自动化控制、高效卸饼、节能降耗等技术的升级型产品系列。主要包括一次拉开压滤机（可做1500-3000型滤板，支持单室进料和中间进料两种进料形式）以及快速拉开压滤机。国内最大面积可做到1600平米，过滤面积可达1500m²，充分满足大型矿山的生产需求。

The intelligent filter press offered by Jinpeng Mining Machinery is an upgraded product series integrating automated control, efficient cake discharge, energy saving, and consumption reduction technologies. It mainly includes the one-time opening filter press (available with 1500–3000 type filter plates, supporting both single-chamber feeding and central feeding) and the rapid opening filter press. Domestically, the maximum area can reach 1,600 m², with a filtration area of up to 1,500 m², fully meeting the production requirements of large-scale mines.





## 优势特点
ADVANTAGES & FEATURES

·极速卸饼，效率倍增：采用一次拉开卸饼机构，70块滤板拉开一次约75秒即可完成卸饼工作；快速拉开压滤机整个过程卸料只需3分钟，而常规卸料将近20分钟。传统自动拉板脱泥饼过程通常需要30至40分钟，效率提升极为显著。
·大处理量能力：金鹏矿机提供的2000型900平方大处理量智能压滤机，进料浓度60%时可达一个小时5个循环。
·优异的脱水效果：采用单室进料空气穿流技术的智能压滤机，铁精粉、铜精矿、金精矿等滤饼含水率可控制在7%以内。金精矿案例中滤饼水分可低至8-9%。
·高度自动化：可实现自动脱饼、无人值守运行，大幅降低人工成本。
·节能降耗显著：产品产能提高一倍的同时，能耗降低40%；可降低投资成本最少30%，降低运行成本30-50%。

·Ultra-Fast Cake Discharge, Doubled Efficiency: Adopting a one-time opening cake discharge mechanism, about 70 filter plates can be pulled open and discharged in approximately 75 seconds. For the rapid opening filter press, the entire cake discharge process takes only 3 minutes, whereas conventional discharge takes nearly 20 minutes. The traditional automatic plate shifting and cake detachment process typically requires 30 to 40 minutes, resulting in a remarkable improvement in efficiency.

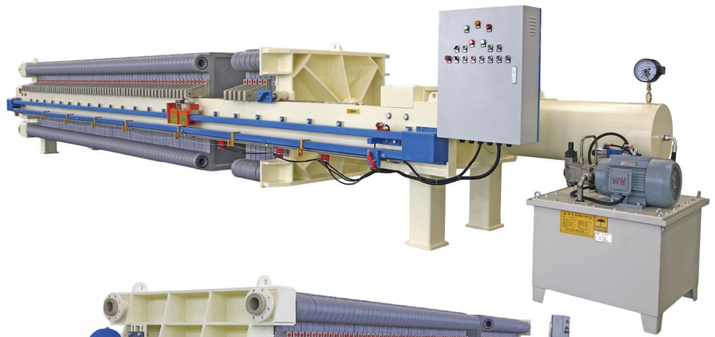
·Large Processing Capacity: The 2000-type 900 m² large-capacity intelligent filter press provided by Jinpeng Mining Machinery can achieve 5 cycles per hour at a feed concentration of 60%.

·Excellent Dewatering Performance: Intelligent filter presses using single-chamber feeding with air cross-flow technology can control the filter cake moisture content of iron concentrate, copper concentrate, gold concentrate, etc. to within 7%. In the case of gold concentrate, the cake moisture content can be as low as 8–9%.

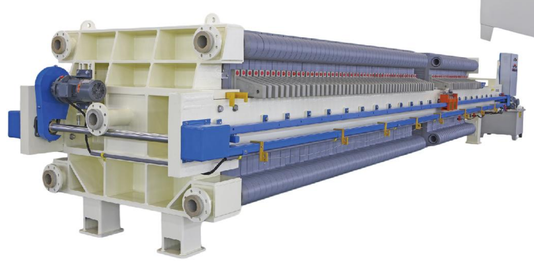
·High Degree of Automation: Automatic cake detachment and unattended operation can be achieved, significantly reducing labor costs.

·Outstanding Energy Saving and Consumption Reduction: While doubling the production capacity, energy consumption is reduced by 40%; investment costs can be reduced by at least 30%, and operating costs can be reduced by 30–50%.

## 厢式压滤机
Recessed Filter Press



## 产品介绍
PRODUCT INTRODUCTION



金鹏矿机提供的厢式压滤机，是压滤设备中的经典基础款，其结构特点是滤板两侧凹进，每两块滤板组合成一厢形滤室，省去滤框，滤板中心有圆孔供悬浮液流入各滤室。设备采用机、电、液一体化设计，涵盖1250型及以下、1500-2600型等多个规格系列。厢式压滤机适用于对含水率要求不高的粗颗粒尾矿处理，常规精矿的初步脱水，中小规模选矿厂的固液分离。

The recessed filter press provided by Jinpeng Mining Machinery is a classic, fundamental model in filter press equipment. Its structural feature is that both sides of the filter plates are recessed, and every two filter plates combine to form a chamber-type filter compartment, eliminating the need for a separate frame. A central hole in each filter plate allows the suspension to flow into each chamber. The equipment adopts an integrated mechanical, electrical, and hydraulic design, covering multiple specification series including 1250-type and below, as well as 1500–2600 type. The recessed filter press is suitable for coarse particle tailings treatment where low moisture content is not strictly required, preliminary dewatering of conventional concentrates, and solid-liquid separation in small and medium-sized concentrators.

## 优势特点
ADVANTAGES & FEATURES

·结构简单、操作方便：采用机、电、液一体化设计制造，结构合理、操作简单、维护方便、安全可靠。
·能耗低、过滤效果好：作为经典机型，具有能耗低、过滤效果好的特点。
·自动化程度可选：可实现滤板压紧、过滤、压榨、反吹、洗涤、滤板松开、卸料等各道工序的自动控制。
·过滤压力较高：最佳过滤压力在0.4-1.0 MPa，最大压力可达3.5MPa。
·滤板材质优良：增强聚丙烯板采用模压而成，表面平整光滑、强度高、重量轻、耐酸碱、耐腐蚀。
·滤饼含水率：常规水平下滤饼含水率一般在75%-80%左右。

·Simple structure and easy operation: Adopting an integrated mechanical, electrical, and hydraulic design, it features a rational structure, simple operation, convenient maintenance, safety, and reliability.
·Low energy consumption and good filtration performance: As a classic model, it is characterized by low energy consumption and excellent filtration results.
·Selectable automation level: Automatic control of various processes can be achieved, including plate pressing, filtration, squeezing, back-blowing, washing, plate release, and cake discharge.
·High filtration pressure: The optimal filtration pressure is 0.4–1.0 MPa, with a maximum pressure of up to 3.5 MPa.
·High-quality filter plate material: Reinforced polypropylene plates are compression molded, featuring a smooth and even surface, high strength, light weight, acid and alkali resistance, and corrosion resistance.
·Filter cake moisture content: Under conventional conditions, the filter cake moisture content is generally around 75%–80%.

## 技术参数
TECHNICAL PARAMETERS

**压滤机 | Filter Press**

| 型号 Model | 过滤面积 ($m^2$) Filtration Area | 滤室数量 Number of Filter Chambers | 滤板规格 (mm) Filter Plate Dimensions | 滤室容积 ($m^3$) Chamber Volume | 外形尺寸 L× W× H (mm) Specification | 电机功率 (kw) Motor Power | 重量 (kg) Weight |
|---|---|---|---|---|---|---|---|
| XMZ800U | 20 | 20 | 800×800×55 | 0.239 | 3215×1320×1160 | 2.2 | 2073 |
| XMZ800U | 30 | 30 | 800×800×55 | 0.365 | 3765×1320×1160 | 2.2 | 3090 |
| XMZ800U | 40 | 40 | 800×800×55 | 0.491 | 4315×1320×1160 | 2.2 | 3380 |
| XMZ800U | 50 | 50 | 800×800×55 | 0.617 | 4865×1320×1160 | 2.2 | 3090 |
| XMZ800U | 60 | 60 | 800×800×55 | 0.743 | 5415×1320×1160 | 2.2 | 4070 |
| XMZ800U | 70 | 70 | 800×800×55 | 0.869 | 5965×1320×1160 | 2.2 | 4360 |
| XMZ800U | 80 | 80 | 800×800×55 | 0.995 | 6515×1320×1160 | 2.2 | 4700 |
| XMZ1000U | 100 | 62 | 1000×1000×60 | 1.48 | 6110×1460×1360 | 3 | 6200 |
| XMZ1000U | 120 | 75 | 1000×1000×60 | 1.8 | 6890×1460×1360 | 3 | 6710 |
| XMZ1250U | 150 | 58 | 1250×1250×65 | 2.26 | 6920×1850×1620 | 3 | 11800 |
| XMZ1250U | 180 | 69 | 1250×1250×65 | 2.7 | 7630×1850×1620 | 3 | 12700 |
| XMZ1250U | 200 | 79 | 1250×1250×65 | 3.02 | 8150×1850×1620 | 3 | 13300 |
| XMZ1250U | 220 | 84 | 1250×1250×65 | 3.29 | 8610×1850×1620 | 3 | 13900 |
| XMZ1250U | 250 | 95 | 1250×1250×65 | 3.73 | 9320×1850×1620 | 3 | 14800 |
| XMZ1500U | 300 | 77 | 1500×1500×70 | 4.76 | 9100×1960×1780 | 5.5 | 27000 |
| XMZ1500U | 320 | 83 | 1500×1500×70 | 5.14 | 9520×1960×1780 | 5.5 | 27690 |
| XMZ1500U | 340 | 88 | 1500×1500×70 | 5.45 | 9870×1960×1780 | 5.5 | 28380 |
| XMZ1500U | 350 | 90 | 1500×1500×70 | 5.58 | 10010×1960×1780 | 5.5 | 28730 |
| XMZ1500U | 380 | 98 | 1500×1500×70 | 6.08 | 10570×1960×1780 | 5.5 | 29760 |
| XMZ1500U | 400 | 103 | 1500×1500×70 | 6.39 | 10920×1960×1780 | 5.5 | 30450 |
| XMZ1500U | 450 | 116 | 1500×1500×70 | 7.21 | 11830×1960×1780 | 5.5 | 32170 |
| XMZ1500U | 500 | 128 | 1500×1500×70 | 7.96 | 12670×1960×1780 | 5.5 | 33890 |
| XMZ800/2000-U | 800 | 114 | 2000×2000×83 | 16.8 | 14200×3380×2390 | 11 | 41000 |





# 渣浆泵 | 水泵
# SLURRY PUMP
# WATER PUMP

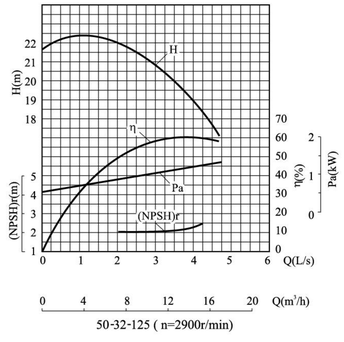


金鹏泵业产品线覆盖选矿厂全流程流体输送需求，广泛适配金、铜、铁、铅锌、锂矿等矿物选矿的给料、输送及排尾作业。

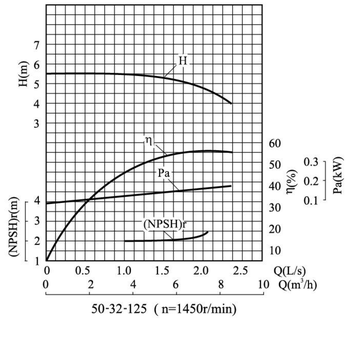
Jinpeng Pumps product line covers the full spectrum of fluid handling requirements across the entire mineral processing flowsheet. It is widely applicable to feeding, conveying, and tailings discharge operations in the processing of gold, copper, iron, lead-zinc, lithium, and other ores.

## 水泵 | Water Pump

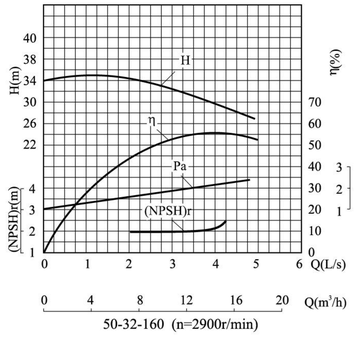
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 50-32-125 | 2900 | 2.08 | 7.5 | 22 | 47.0 | 0.96 | 2.2 | 2.0 | 42 |
| | | 3.47 | 12.5 | 20 | 60.0 | 1.13 | | 2.0 | |
| | | 4.17 | 15 | 18.5 | 60.0 | 1.26 | | 2.5 | |
| | 1450 | 1.04 | 3.75 | 5.4 | 43.0 | 0.13 | 0.55 | 2.0 | |
| | | 1.74 | 6.3 | 5 | 54.0 | 0.16 | | 2.0 | |
| | | 2.08 | 7.5 | 4.5 | 55.0 | 0.17 | | 2.5 | |
| 50-32-160 | 2900 | 2.08 | 7.5 | 34.3 | 44.0 | 1.59 | 3 | 2.0 | 42 |
| | | 3.47 | 12.5 | 32 | 54.0 | 2.02 | | 2.0 | |
| | | 4.17 | 15 | 29.6 | 56.0 | 2.16 | | 2.5 | |
| | 1450 | 1.04 | 3.75 | 8.5 | 35.0 | 0.25 | 0.55 | 2.0 | |
| | | 1.74 | 6.3 | 8 | 48.0 | 0.28 | | 2.2 | |
| | | 2.08 | 7.5 | 7.5 | 49.0 | 0.31 | | 2.5 | |
| 50-32-200 | 2900 | 2.08 | 7.5 | 52.5 | 38.0 | 2.82 | 5.5 | 2.0 | 56 |
| | | 3.47 | 12.5 | 50 | 48.0 | 3.54 | | 2.0 | |
| | | 4.17 | 15 | 48 | 51.0 | 3.95 | | 2.5 | |
| | 1450 | 1.04 | 3.75 | 13.1 | 33.0 | 0.41 | 0.75 | 2.0 | |
| | | 1.74 | 6.3 | 12.5 | 42.0 | 0.51 | | 2.0 | |
| | | 2.08 | 7.5 | 12 | 44.0 | 0.56 | | 2.5 | |



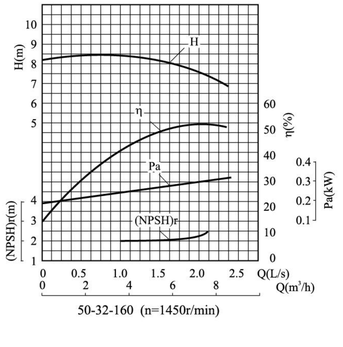
50-32-125 ( n=2900r/min)



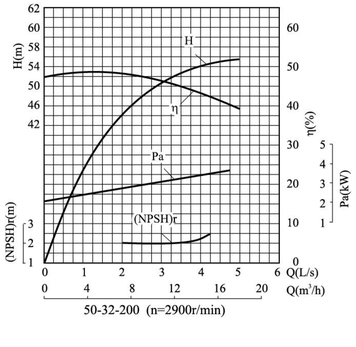
50-32-125 ( n=1450r/min)



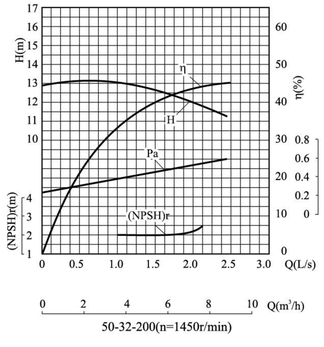
50-32-160 (n=2900r/min)



50-32-160 (n=1450r/min)



50-32-200 (n=2900r/min)



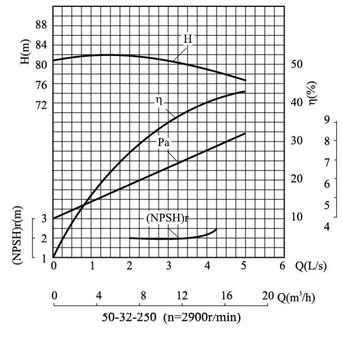
50-32-200(n=1450r/min)



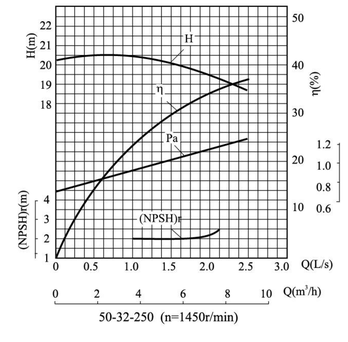


## 水泵 | Water Pump

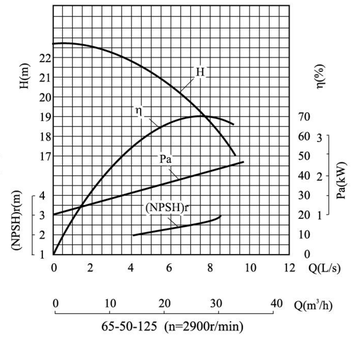
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 50-32-250 | 2900 | 2.08 | 7.5 | 82 | 28.5 | 5.87 | 11 | 2.0 | 83 |
| | | 3.47 | 12.5 | 80 | 38.0 | 7.16 | | 2.0 | |
| | | 4.17 | 15 | 78.5 | 41.0 | 7.83 | | 2.5 | |
| | 1450 | 1.40 | 3.75 | 20.5 | 23.0 | 0.91 | 1.5 | 2.0 | |
| | | 1.74 | 6.3 | 20 | 32.0 | 1.07 | | 2.0 | |
| | | 2.08 | 7.5 | 19.5 | 35.0 | 1.14 | | 2.5 | |
| 65-50-125 | 2900 | 4.17 | 15 | 21.8 | 58.0 | 1.54 | 3 | 2.0 | 41 |
| | | 6.94 | 25 | 20 | 69.0 | 1.97 | | 2.0 | |
| | | 8.33 | 30 | 18.5 | 68.0 | 2.22 | | 3.0 | |
| | 1450 | 2.08 | 7.5 | 5.35 | 53.0 | 0.21 | 0.55 | 2.0 | |
| | | 3.47 | 12.5 | 5 | 64.0 | 0.27 | | 2.0 | |
| | | 4.17 | 15 | 4.7 | 65.0 | 0.30 | | 2.5 | |
| 65-50-160 | 2900 | 4.17 | 15 | 35 | 54 | 2.65 | 5.5 | 2.0 | 44 |
| | | 6.94 | 25 | 32 | 65.0 | 3.35 | | 2.0 | |
| | | 8.33 | 30 | 30 | 66 | 3.71 | | 2.0 | |
| | 1450 | 2.08 | 7.5 | 8.8 | 50.0 | 0.36 | 0.75 | 2.0 | |
| | | 3.47 | 12.5 | 8 | 60 | 0.45 | | 2.0 | |
| | | 4.17 | 15 | 7.2 | 60.0 | 0.49 | | 2.0 | |



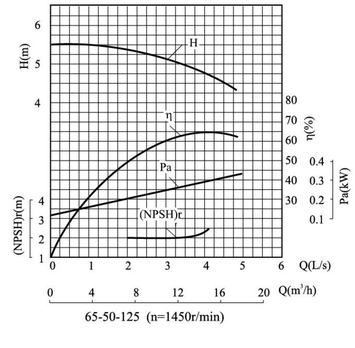
50-32-250 (n=2900r/min)



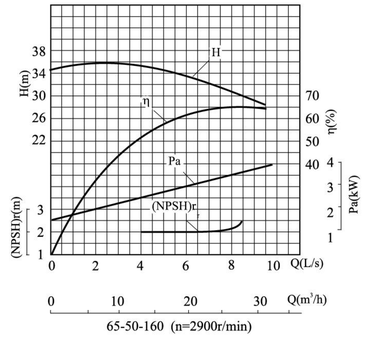
50-32-250 (n=1450r/min)



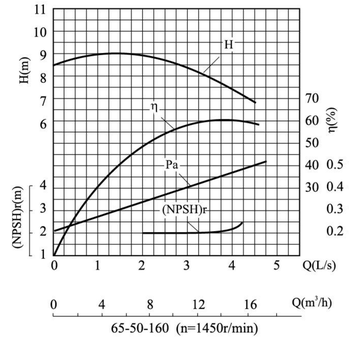
65-50-125 (n=2900r/min)



65-50-125 (n=1450r/min)



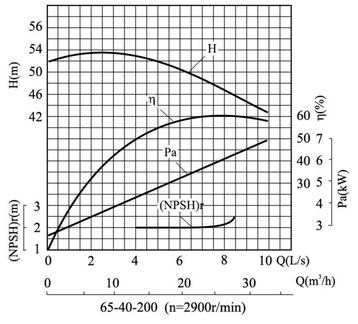
65-50-160 (n=2900r/min)



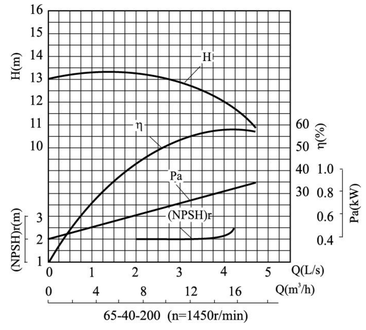
65-50-160 (n=1450r/min)

## 水泵 | Water Pump

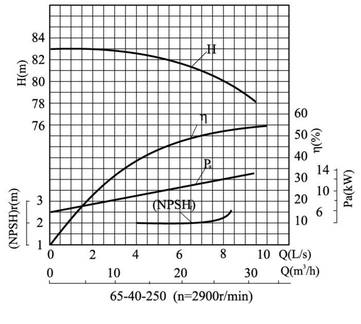
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 65-40-200 | 2900 | 4.17 | 15 | 53 | 49.0 | 4.42 | 7.5 | 2.0 | 47 |
| | | 6.94 | 25 | 50 | 60.0 | 5.67 | | 2.0 | |
| | | 8.33 | 30 | 47 | 61.0 | 6.29 | 1.1 | 2.5 | |
| | 1450 | 2.08 | 7.5 | 13.2 | 43.0 | 0.63 | 1.1 | 2.0 | |
| | | 3.47 | 12.5 | 12.5 | 55.0 | 0.77 | | 2.0 | |
| | | 4.17 | 15 | 11.8 | 57.0 | 0.85 | | 2.5 | |
| 65-40-250 | 2900 | 4.17 | 15 | 82 | 37.0 | 9.05 | 15 | 2.0 | 88 |
| | | 6.94 | 25 | 80 | 50.0 | 10.30 | | 2.0 | |
| | | 8.33 | 30 | 78 | 53.0 | 12.00 | | 2.5 | |
| | 1450 | 2.08 | 7.5 | 21 | 35.0 | 1.23 | 2.2 | 2.0 | |
| | | 3.47 | 12.5 | 20 | 46.0 | 1.48 | | 2.2 | |
| | | 4.17 | 15 | 19.4 | 48.0 | 1.65 | | 2.5 | |
| 65-40-315 | 2900 | 4.17 | 15 | 127 | 28.0 | 18.50 | 30 | 2.0 | 103 |
| | | 6.94 | 25 | 125 | 40.0 | 21.30 | | 2.0 | |
| | | 8.33 | 30 | 123 | 44.0 | 22.80 | | 2.5 | |
| | 1450 | 2.08 | 7.5 | 32.3 | 25.0 | 2.63 | 4 | 2.0 | |
| | | 3.47 | 12.5 | 32 | 37.0 | 2.94 | | 2.0 | |
| | | 4.17 | 15 | 31.7 | 41.0 | 3.16 | | 2.5 | |



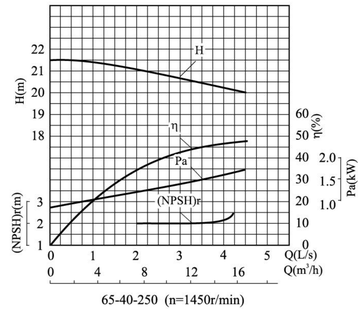
65-40-200 (n=2900r/min)



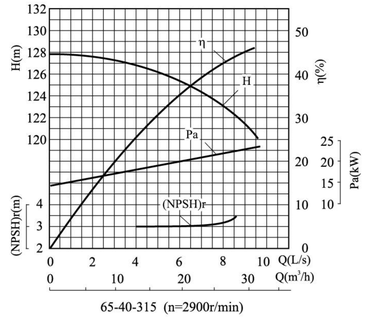
65-40-200 (n=1450r/min)



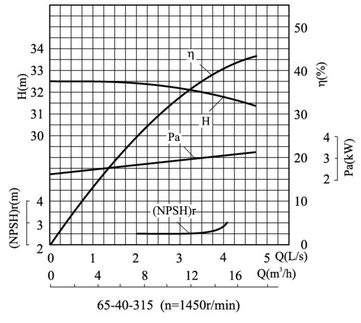
65-40-250 (n=2900r/min)



65-40-250 (n=1450r/min)



65-40-315 (n=2900r/min)



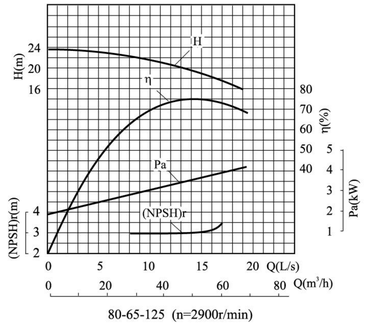
65-40-315 (n=1450r/min)



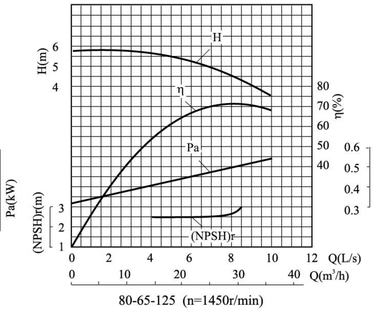


## 水泵 | Water Pump

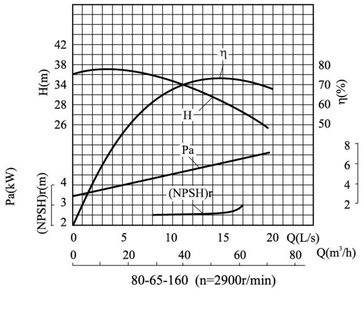
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 80-65-125 | 2900 | 8.33 | 30 | 22.5 | 64.0 | 2.87 | 5.5 | 3.0 | 41 |
| | | 13.90 | 50 | 20 | 75.0 | 3.63 | | 3.0 | |
| | | 16.70 | 60 | 18 | 74.0 | 3.98 | | 3.5 | |
| | 1450 | 4.17 | 15 | 5.6 | 55.0 | 0.42 | 0.75 | 2.5 | |
| | | 6.94 | 25 | 5 | 71.0 | 0.48 | | 2.5 | |
| | | 8.33 | 30 | 4.5 | 72.0 | 0.51 | | 3.0 | |
| 80-65-160 | 2900 | 8.33 | 30 | 36 | 61.0 | 4.82 | 7.5 | 2.5 | 47 |
| | | 13.90 | 50 | 32 | 73.0 | 5.97 | | 2.5 | |
| | | 16.70 | 60 | 29 | 72.0 | 6.59 | | 3.0 | |
| | 1450 | 4.17 | 15 | 9 | 55.0 | 0.67 | 1.5 | 2.5 | |
| | | 6.94 | 25 | 8 | 69.0 | 0.79 | | 2.5 | |
| | | 8.33 | 30 | 7.2 | 68.0 | 0.86 | | 3.0 | |
| 80-50-200 | 2900 | 8.33 | 30 | 53 | 55.0 | 7.87 | 15 | 2.5 | 53 |
| | | 13.90 | 50 | 50 | 69.0 | 9.87 | | 2.5 | |
| | | 16.30 | 60 | 47 | 71.0 | 10.80 | | 3.0 | |
| | 1450 | 4.17 | 15 | 13.2 | 51.0 | 1.06 | 2.2 | 2.5 | |
| | | 6.94 | 25 | 12.5 | 65.0 | 1.31 | | 2.5 | |
| | | 8.33 | 30 | 11.8 | 67.0 | 1.44 | | 3.0 | |



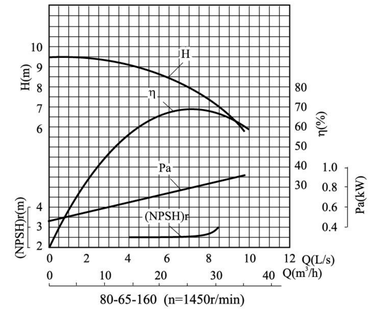
80-65-125 (n=2900r/min)



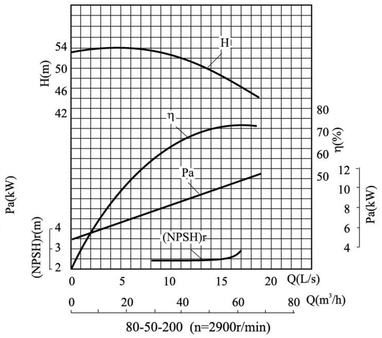
80-65-125 (n=1450r/min)



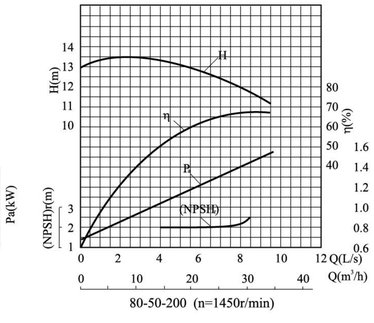
80-65-160 (n=2900r/min)



80-65-160 (n=1450r/min)



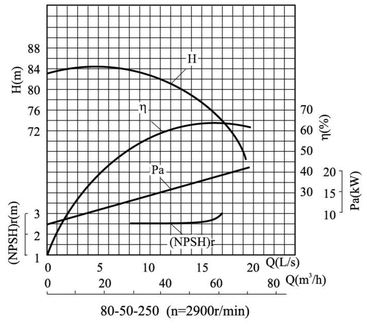
80-50-200 (n=2900r/min)



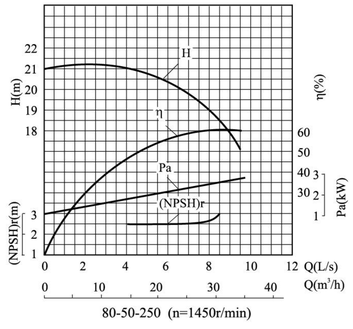
80-50-200 (n=1450r/min)

## 水泵 | Water Pump

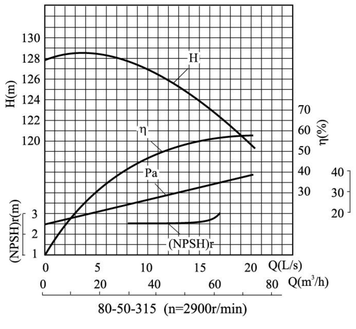
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 80-50-250 | 2900 | 8.33 | 30 | 84 | 52.0 | 13.20 | 22 | 2.5 | 86 |
| | | 13.90 | 50 | 80 | 63.0 | 17.30 | | 2.5 | |
| | | 16.70 | 60 | 75 | 64.0 | 19.20 | | 3.0 | |
| | 1450 | 4.17 | 15 | 21 | 49.0 | 1.75 | 3 | 2.5 | |
| | | 6.94 | 25 | 20 | 60.0 | 2.27 | | 2.5 | |
| | | 8.33 | 30 | 18.8 | 61.0 | 2.52 | | 3.0 | |
| 80-50-315 | 2900 | 8.33 | 30 | 128 | 41.0 | 25.20 | 37 | 2.5 | 119 |
| | | 13.90 | 50 | 125 | 54.0 | 31.50 | | 2.5 | |
| | | 16.70 | 60 | 123 | 57.0 | 35.30 | | 3.0 | |
| | 1450 | 4.17 | 15 | 32.5 | 39.0 | 3.40 | 5.5 | 2.5 | |
| | | 6.94 | 25 | 32 | 52.0 | 4.19 | 5.5 | 2.5 | |
| | | 8.33 | 30 | 31.5 | 56.0 | 4.60 | | 3.0 | |
| 100-80-125 | 2900 | 16.70 | 60 | 24 | 67.0 | 5.86 | 11 | 4.0 | 47 |
| | | 27.80 | 100 | 20 | 78.0 | 7.00 | | 4.5 | |
| | | 33.30 | 120 | 16.5 | 74.0 | 7.28 | | 5.0 | |
| | 1450 | 8.33 | 30 | 6 | 64.0 | 0.77 | 1.5 | 2.5 | |
| | | 13.90 | 50 | 5 | 75.0 | 0.91 | | 2.5 | |
| | | 16.70 | 60 | 4 | 71.0 | 0.92 | | 3.0 | |



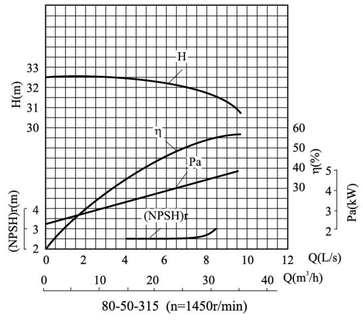
80-50-250 (n=2900r/min)



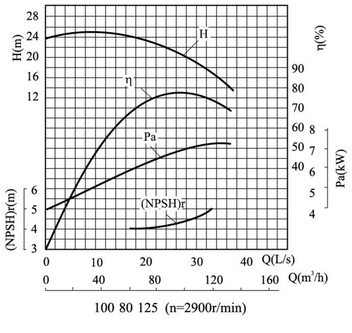
80-50-250 (n=1450r/min)



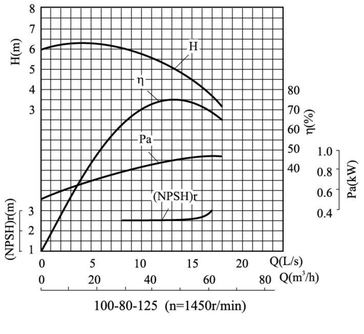
80-50-315 (n=2900r/min)



80-50-315 (n=1450r/min)



100 80 125 (n=2900r/min)



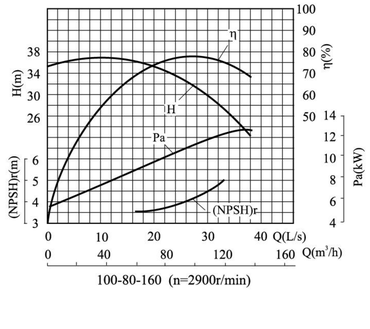
100-80-125 (n=1450r/min)



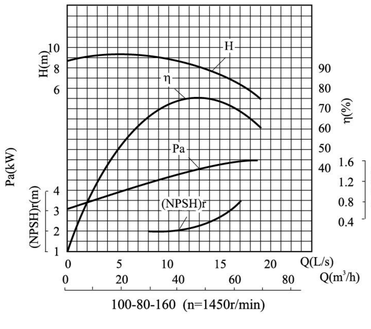


## 水泵 | Water Pump

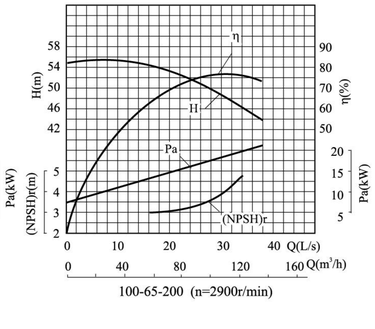
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 100-80-160 | 2900 | 16.70 | 60 | 36 | 70.0 | 8.42 | 15 | 3.5 | 60 |
| | | 27.80 | 100 | 32 | 78.0 | 11.20 | | 4.0 | |
| | | 33.30 | 120 | 28 | 75.0 | 12.20 | | 5.0 | |
| | 1450 | 8.33 | 30 | 9.2 | 67.0 | 1.12 | 2.2 | 2.0 | |
| | | 13.90 | 50 | 8 | 75.0 | 1.45 | | 2.5 | |
| | | 16.70 | 60 | 6.8 | 71.0 | 1.57 | | 3.5 | |
| 100-65-200 | 2900 | 16.70 | 60 | 54 | 65.0 | 13.60 | 22 | 3.0 | 73 |
| | | 27.80 | 100 | 50 | 76.0 | 17.90 | | 3.6 | |
| | | 33.30 | 120 | 47 | 77.0 | 19.90 | | 4.8 | |
| | 1450 | 8.33 | 30 | 13.5 | 60.0 | 1.84 | 4 | 2.0 | |
| | | 13.90 | 50 | 12.5 | 73.0 | 2.33 | | 2.0 | |
| | | 16.70 | 60 | 11.8 | 74.0 | 2.61 | | 2.5 | |
| 100-65-250 | 2900 | 16.70 | 60 | 87 | 61.0 | 23.40 | 37 | 3.5 | 107 |
| | | 27.80 | 100 | 80 | 72.0 | 30.30 | | 3.8 | |
| | | 33.30 | 120 | 74.5 | 73.0 | 33.30 | | 4.8 | |
| | 1450 | 8.33 | 30 | 21.3 | 55.0 | 3.16 | 5.5 | 2.0 | |
| | | 13.90 | 50 | 20 | 68.0 | 4.00 | | 2.0 | |
| | | 16.70 | 60 | 19 | 70.0 | 4.44 | | 2.5 | |



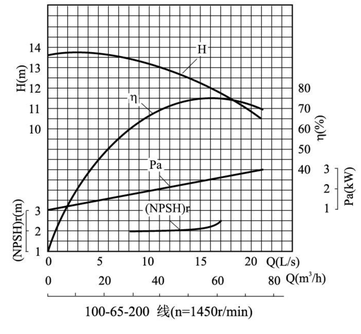
100-80-160 (n=2900r/min)



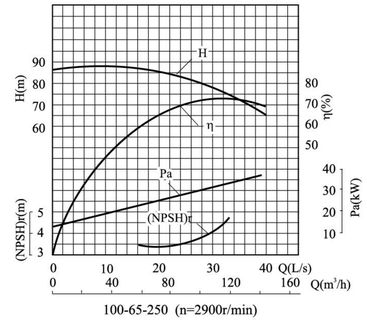
100-80-160 (n=1450r/min)



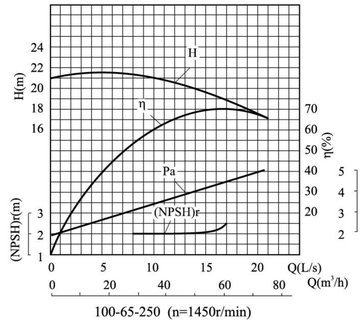
100-65-200 (n=2900r/min)



100-65-200 线(n=1450r/min)



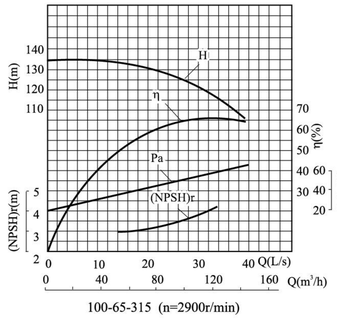
100-65-250 (n=2900r/min)



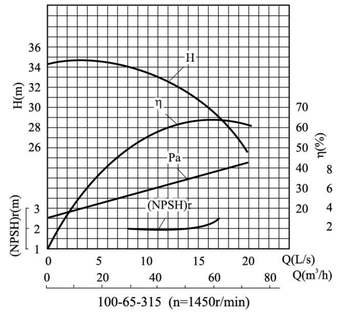
100-65-250 (n=1450r/min)

## 水泵 | Water Pump

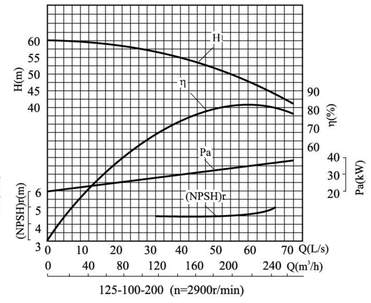
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 100-65-315 | 2900 | 16.70 | 60 | 133 | 55.0 | 39.60 | 75 | 3.0 | 162 |
| | | 27.80 | 100 | 125 | 66.0 | 51.60 | | 3.6 | |
| | | 33.30 | 120 | 118 | 67.0 | 57.60 | | 4.2 | |
| | 1450 | 8.33 | 30 | 34 | 51.0 | 5.44 | 11 | 2.0 | |
| | | 13.90 | 50 | 32 | 63.0 | 6.92 | | 2.0 | |
| | | 16.70 | 60 | 30 | 64.0 | 7.67 | | 2.5 | |
| 125-100-200 | 2900 | 33.30 | 120 | 57.5 | 67.0 | 28.00 | 45 | 4.5 | 99 |
| | | 55.50 | 200 | 50 | 81.0 | 33.60 | | 4.5 | |
| | | 66.70 | 240 | 44.5 | 80.0 | 36.40 | | 5.0 | |
| | 1450 | 16.70 | 60 | 14.5 | 62.0 | 3.83 | 7.5 | 2.5 | |
| | | 27.80 | 100 | 12.5 | 76.0 | 4.48 | | 2.5 | |
| | | 33.30 | 120 | 11 | 75.0 | 4.79 | | 3.0 | |
| 125-100-250 | 2900 | 33.30 | 120 | 87 | 66.0 | 43.00 | 75 | 3.8 | 139 |
| | | 55.60 | 200 | 80 | 78.0 | 55.90 | | 4.2 | |
| | | 66.7 | 240 | 72 | 75.0 | 62.8 | | 5.0 | |
| | 1450 | 16.7 | 60 | 21.5 | 63.0 | 5.59 | 11 | 2.5 | |
| | | 27.8 | 100 | 20 | 76.0 | 7.17 | | 2.5 | |
| | | 33.3 | 120 | 18.5 | 77.0 | 7.84 | | 3.0 | |



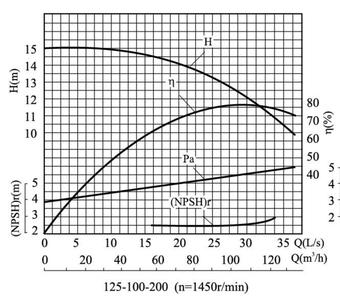
100-65-315 (n=2900r/min)



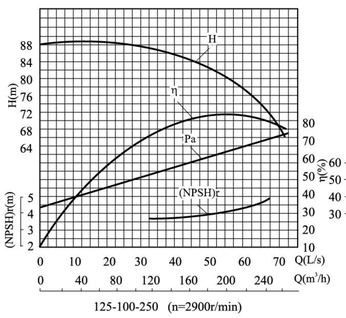
100-65-315 (n=1450r/min)



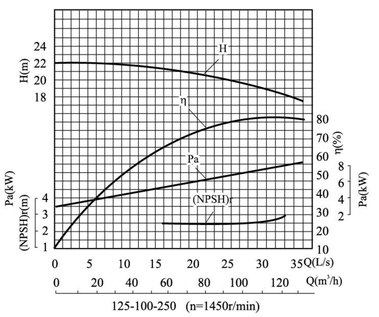
125-100-200 (n=2900r/min)



125-100-200 (n=1450r/min)



125-100-250 (n=2900r/min)



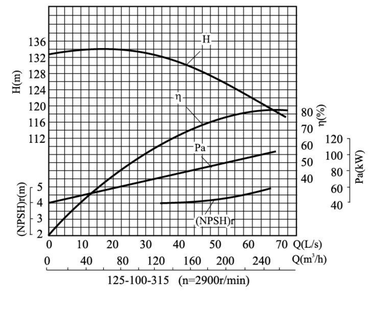
125-100-250 (n=1450r/min)



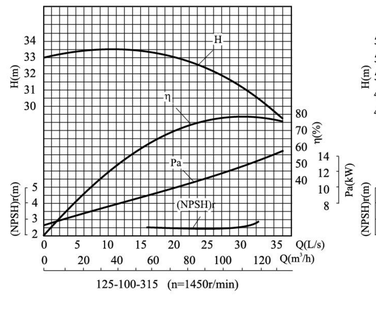


## 水泵 | Water Pump

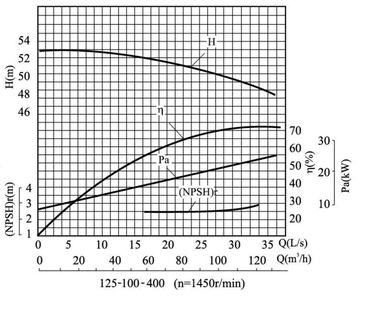
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 125-100-315 | 2900 | 33.3 | 120 | 132.5 | 60.0 | 72.1 | 110 | 4.0 | 149 |
| | | 55.6 | 200 | 125 | 75.0 | 90.8 | | 4.5 | |
| | | 66.7 | 240 | 120 | 77.0 | 101.9 | | 5.0 | |
| | 1450 | 16.7 | 60 | 33.6 | 58.0 | 9.4 | 15 | 2.5 | |
| | | 27.8 | 100 | 32 | 73.0 | 11.9 | | 2.5 | |
| | | 33.3 | 120 | 30.5 | 74.0 | 13.5 | | 3.0 | |
| 125-100-400 | 1450 | 16.7 | 60 | 52 | 53.0 | 16.1 | 30 | 2.5 | 218 |
| | | 27.8 | 100 | 50 | 65.0 | 21 | | 2.5 | |
| | | 33.3 | 120 | 48.5 | 67.0 | 23.6 | | 3.0 | |
| 150-125-250 | 1450 | 33.3 | 120 | 22.5 | 71.0 | 10.35 | 18.5 | 3.0 | 161 |
| | | 55.6 | 200 | 20 | 81.0 | 13.5 | | 3.0 | |
| | | 66.7 | 240 | 17.5 | 78.0 | 14.7 | | 3.5 | |
| 150-125-315 | 1450 | 33.3 | 120 | 34 | 70.0 | 15.86 | 30 | 2.5 | 177 |
| | | 55.6 | 200 | 32 | 79.0 | 22.08 | | 2.5 | |
| | | 66.7 | 240 | 29 | 80.0 | 23.71 | | 3.0 | |
| 150-125-400 | 1450 | 33.3 | 120 | 53 | 62.0 | 27.9 | 45 | 2.0 | 218 |
| | | 55.6 | 200 | 50 | 75.0 | 36.3 | | 2.8 | |
| | | 66.7 | 240 | 46 | 74.0 | 40.6 | | 3.5 | |



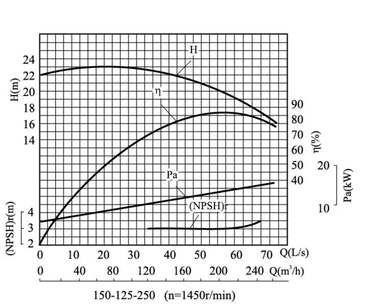
125-100-315 (n=2900r/min)



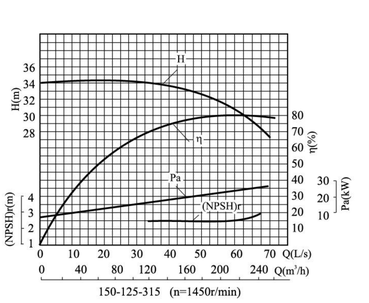
125-100-315 (n=1450r/min)



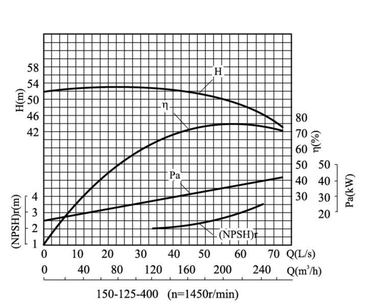
125-100-400 (n=1450r/min)



150-125-250 (n=1450r/min)

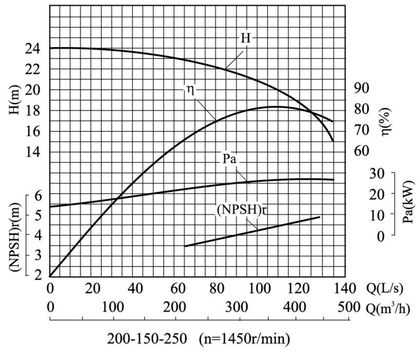


150-125-315 (n=1450r/min)

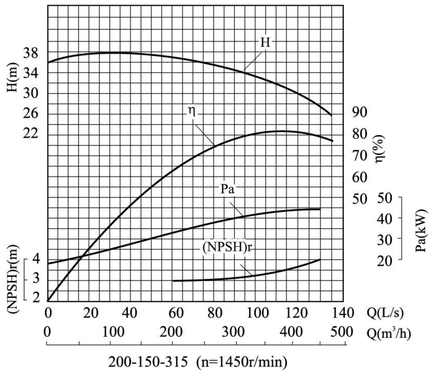


150-125-400 (n=1450r/min)

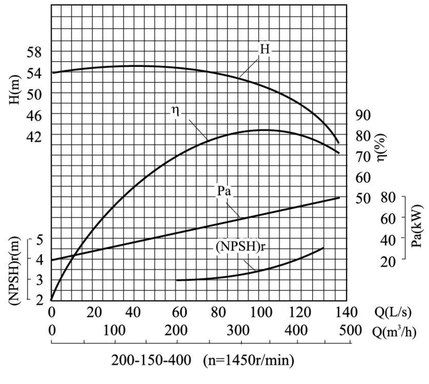
| 水泵 \| Water Pump | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 200-150-250 | 1450 | 66.7 | 240 | 22.6 | 70.0 | 21.1 | 37 | 3.5 | 180 |
| | | 111.1 | 400 | 20 | 82.0 | 26.6 | | 4.5 | |
| | | 127.8 | 460 | 17.2 | 79.0 | 27.3 | | 4.9 | |
| 200-150-315 | 1450 | 66.7 | 240 | 37 | 70.0 | 34.6 | 55 | 3.0 | 246 |
| | | 111.1 | 400 | 32 | 82.0 | 42.5 | | 3.5 | |
| | | 127.8 | 460 | 28.5 | 80.0 | 44.6 | | 4.0 | |
| 200-150-400 | 1450 | 66.7 | 240 | 55 | 74.0 | 48.6 | 90 | 3.0 | 272 |
| | | 111.1 | 400 | 50 | 81.0 | 67.2 | | 3.8 | |
| | | 127.8 | 460 | 45 | 76.0 | 74.2 | | 4.5 | |
| 250-200-315 | 1450 | 111.1 | 400 | 36 | 77.0 | 50.9 | 75 | 2.8 | |
| | | 152.8 | 550 | 32 | 80.0 | 59.9 | | 3.5 | |
| | | 186.1 | 670 | 26.5 | 80.0 | 60.4 | | 4.5 | |



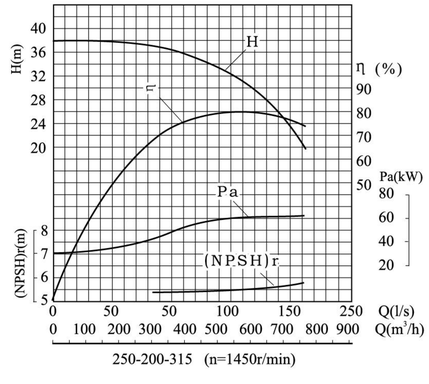
200-150-250 (n=1450r/min)



200-150-315 (n=1450r/min)



200-150-400 (n=1450r/min)

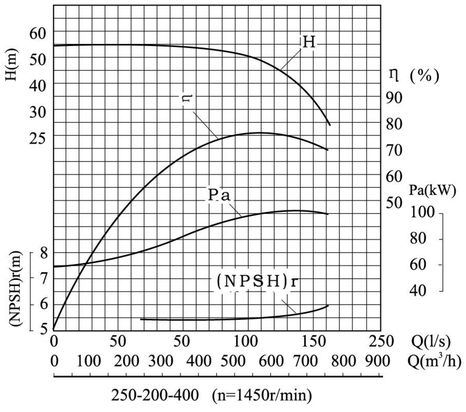


250-200-315 (n=1450r/min)

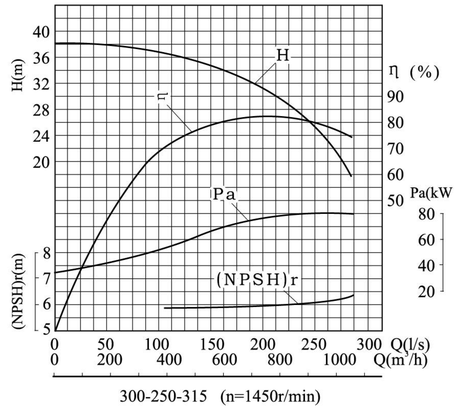




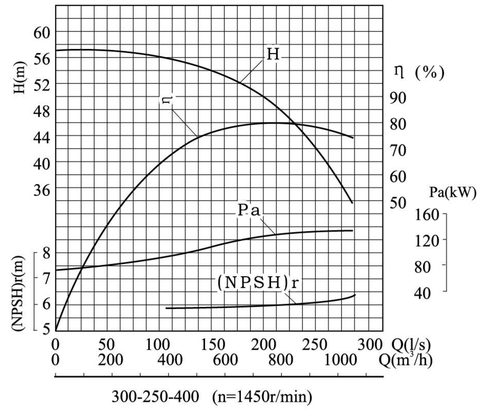
| 水泵 \| Water Pump | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 型号 Model | 转速 Speed n | 流量 Capacity Q | | 扬程 Head H | 效率 Eff η | 轴功率 Shaft Power N | 电机功率 Motor Power | 必需汽蚀余量 (NPSH)r Head | 泵净重 Pump Weight (kg) |
| | r/min | L/s | $m^3/h$ | m | % | kw | kw | m | kg |
| 250-200-400 | 1450 | 111.1 | 400 | 54.5 | 70.0 | 84.8 | 110 | 5.4 | 180 |
| | | 152.8 | 550 | 50 | 76.0 | 98.5 | | 5.5 | |
| | | 186.1 | 670 | 41 | 75.0 | 99.7 | | 5.6 | |
| 300-250-315 | 1450 | 138.9 | 500 | 36 | 79.0 | 62.0 | 90 | 6.0 | 246 |
| | | 200.0 | 720 | 32 | 82.5 | 76.0 | | 6.0 | |
| | | 250.0 | 900 | 26 | 82.0 | 77.7 | | 6.3 | |
| 300-250-400 | 1450 | 138.9 | 500 | 54.5 | 72.0 | 103.0 | 160 | 6.0 | 272 |
| | | 200.0 | 720 | 50 | 80.0 | 122.5 | | 6.0 | |
| | | 250.0 | 900 | 42 | 80.0 | 128.6 | | 6.3 | |



250-200-400 (n=1450r/min)



300-250-315 (n=1450r/min)



300-250-400 (n=1450r/min)

## 渣浆泵 | Slurry Pumps

| 型号 Model | 允许配带最大功率 (kw) Allowable Max.power of Ass. Motor | 清水性能 Clear Water Performance | | | | | 间断通过最大粒度 Paricle Max. Size Handled Occasionally (mm) | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|
| | | 流量($m^3$h) Capacity Q | 扬程(m) Head H | 转速(n) Speed (r/min) | 最高效率 (%) Max. Eff | 汽蚀余量 (m) (NPSH) r | | |
| 550ZJ-I-B160 | 1400 | 2060-7600 | 22.0-56.0 | 250-365 | 79.5 | 6.7 | 130 | 25902 |
| 350ZJ-I-F100 | 560 | 526-2339 | 14.9-62.8 | 300-590 | 77.6 | 4.4 | 96 | 5470 |
| 350ZJ-I-C104 | 560 | 1335-3300 | 36.6-66.9 | 490-590 | 77.6 | 7.3 | 150 | 6750 |
| 350ZJ-I-C100 | 710 | 834-3502 | 11.1-60.0 | 300-593 | 73.0 | 7.4 | 150 | 6710 |
| 350ZJ-I-A85 | 710 | 1025-3741 | 12.3-62.3 | 400-742 | 77.2 | 10.5 | 71 | 4800 |
| 350ZJ-I-A890 | 630 | 837-3575 | 8.4-56.4 | 400-742 | 75.7 | 10.5 | 70 | 4100 |
| 300ZJ-I-A100 | 450 | 464-1826 | 15.3-65.2 | 300-590 | 81.1 | 3.0 | 88 | 4580 |
| 300ZJ-1-B100 | 450 | 464-1826 | 15.3-652 | 300-590 | 76.2 | 3.0 | 112 | 4580 |
| 300ZJ-1-A95 | 400 | 441-1735 | 13.8-58.8 | 300-590 | 78.1 | 3.0 | 8B | 4535 |
| 300ZJ-I-A90 | 560 | 505-1844 | 21.2-79.9 | 400-730 | 82.8 | 3.9 | 85 | 4656 |
| 300ZJ-I-C90 | 400 | 604-2392 | 10.9-50.9 | 300-590 | 78.6 | 3.6 | 150 | 5060 |
| 300ZJ-I-A85 | 450 | 477-1742 | 18.9-71.3 | 400-730 | 79.8 | 3.8 | 85 | 4525 |
| 300ZJ-I-A70 | 630 | 635-2333 | 16.0-76.8 | 490-980 | 80.4 | 3.9 | 92 | 3274 |
| 300ZJ-I-A65 | 500 | 589-2166 | 13.8-662 | 490-980 | 77.4 | 3.7 | 92 | 3245 |
| 300ZJ-I-A56 | 250 | 395-1568 | 9.7-46.0 | 490-980 | 80.9 | 3.5 | 96 | 2340 |
| 250ZJ-I-A103 | 560 | 402-1573 | 29.7-110.5 | 400-730 | 74.5 | 2.8 | 69 | 5230 |
| 250ZJ-I-A96 | 560 | 403-1466 | 25.4-93.7 | 400-730 | 77.8 | 3.5 | 69 | 4200 |
| 250ZJ-I-A90 | 450 | 378-1374 | 22.3-82.4 | 400-730 | 73.8 | 3.4 | 69 | 4145 |
| 250ZJ-I-A85 | 800 | 376-1504 | 30.1-128.7 | 490-980 | 76.5 | 3.5 | 76 | 4100 |
| 250ZJ-1-A83 | 800 | 367-1469 | 28.7-122.7 | 490-980 | 75.5 | 3.5 | 76 | 4085 |
| 250ZJ-I-A80 | 710 | 354-1416 | 26.7-114.0 | 490-980 | 73.5 | 3.4 | 76 | 4060 |
| 250ZJ-I-CB0 | 450 | 451-1790 | 7.4-38.3 | 300-592 | 75.1 | 3.3 | 120 | 4832 |
| 250ZJ-I-A78 | 630 | 415-1796 | 21.1-102.5 | 490-980 | 71.5 | 3.2 | 76 | 4045 |
| 250ZJ-I-A75 | 560 | 300-1480 | 20.8-97.5 | 490-980 | 77.5 | 3.0 | 72 | 2760 |
| 250ZJ-1-A73 | 500 | 292-1441 | 19.7-92.4 | 490-980 | 76.5 | 3.0 | 72 | 2745 |
| 250ZJ-I-A70 | 450 | 280-1381 | 18.1-84.9 | 490-980 | 74.5 | 2.9 | 72 | 2725 |
| 250ZJ-I-A68 | 450 | 272-1342 | 17.1-80.1 | 490-980 | 73.5 | 2.7 | 72 | 2712 |
| 250ZJ-1-A65 | 315 | 299-1249 | 15.4-71.0 | 490-980 | 76.9 | 3.0 | 72 | 2520 |
| 250ZJ-I-A63 | 315 | 290-1211 | 14.4-66.7 | 490-980 | 75.9 | 3.0 | 72 | 2508 |
| 250ZJ-I-A60 | 280 | 276-1153 | 13.1-60.5 | 490-980 | 73.9 | 2.8 | 72 | 2490 |
| 200ZJ-I-A85 | 560 | 221-907 | 32,0-133.7 | 490-980 | 70.5 | 2.8 | 54 | 3844 |
| 200ZJ-I-A75 | 355 | 225-900 | 22.8-102.9 | 490-980 | 74.1 | 3.0 | 56 | 2890 |
| 200ZJ-I-A73 | 355 | 219-876 | 21,6-97.5 | 490-980 | 73.1 | 3.0 | 56 | 2865 |
| 200ZJ-I-A70 | 315 | 205-976 | 19.4-86.4 | 490-980 | 75.6 | 2.8 | 56 | 2256 |
| 200ZJ-I-A68 | 315 | 199-948 | 18.3-81.5 | 490-980 | 74.6 | 2.8 | 56 | 2248 |
| 200ZJ-I-A65 | 250 | 235-950 | 16.4-72.0 | 490-980 | 79.6 | 2.5 | 62 | 2000 |
| 200ZJ-I-A63 | 250 | 228-921 | 154-67.6 | 490-980 | 78.6 | 2.5 | 62 | 1988 |
| 200ZJ-I-A60 | 185 | 218-870 | 13.9-62.0 | 490-980 | 83.5 | 2.5 | 62 | 1800 |
| 200ZJ-I-A58 | 185 | 211-841 | 13.0-57.9 | 490-980 | 82.5 | 2.5 | 62 | 1791 |
| 200ZJG-I-D50 | 200 | 138-268 | 11.1-74.8 | 700-1480 | 67.4 | 2.3 | 34 | 1550 |





## 渣浆泵 | Slurry Pumps

| 型号 Model | 允许配带最大功率 (kw) Allowable Max.power of Ass. Motor | 清水性能 Clear Water Performance | | | | | 间断通过最大粒度 Paricle Max. Size Handled Occasionally (mm) | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|
| | | 流量($m^3$h) Capacity Q | 扬程(m) Head H | 转速(n) Speed (r/min) | 最高效率 (%) Max. Eff | 汽蚀余量 (m) (NPSH) r | | |
| 150ZJ-I-A71 | 220 | 142-552 | 21.8-93.8 | 490-980 | 69.8 | 2.4 | 48 | 2093 |
| 150ZJ-1-A70 | 185 | 93-401 | 20.2-91.2 | 490-980 | 62.3 | 2.0 | 37 | 1943 |
| 150ZJ-I-A65 | 200 | 150-600 | 17.4-75.7 | 490-980 | 70.8 | 2.5 | 48 | 1892 |
| 150ZJ-1-A63 | 185 | 146-582 | 16.3-71.1 | 490-980 | 69.8 | 2.5 | 48 | 1880 |
| 150ZJ-I-A60 | 160 | 135-550 | 14.7-63.5 | 490-980 | 75.9 | 2.5 | 48 | 1760 |
| 150ZJ-I-A58 | 132 | 131-532 | 13.7-593 | 490-980 | 74.9 | 2.5 | 48 | 1730 |
| 150ZJ-1-C58 | 160 | 134-596 | 12.8-61.0 | 490-980 | 69.1 | 2.0 | 75 | 1825 |
| 150ZJ-I-A55 | 110 | 124-504 | 12.3-53.4 | 490-980 | 72.9 | 2.3 | 48 | 1810 |
| 150ZJ-I-A50 | 75 | 115-460 | 9.5-43.1 | 490-990 | 76.8 | 2.5 | 48 | 1198 |
| 150ZJ-1-A48 | 75 | 111-442 | 8.7-39.7 | 490-980 | 75.8 | 2.5 | 48 | 1185 |
| 150ZJG-I-D17 | 132 | 95-477 | 10.4-69.5 | 700-1480 | 62.6 | 2.1 | 30 | 1100 |
| 150ZJG-1-B45 | 110 | 105-458 | 10.9-72.5 | 700-1480 | 654.0 | 7 | 25.6 | 1063 |
| 150ZJ-I-C42 | 132 | 142-550 | 12.1-62.8 | 700-1480 | 77.1 | 22 | 69 | 1070 |
| 100ZJ-I-A50 | 160 | 85-360 | 20.5-100.2 | 700-1480 | 696.0 | 2.5 | 34 | 987 |
| 100ZJ-I-A46 | 132 | 79-331 | 17.3-84.8 | 700-1480 | 67.6 | 2.3 | 34 | 973 |
| 100ZIG-I-D16 | 75 | 48-216 | 9.5-67.9 | 700-1480 | 50.3 | 2.7 | 14 | 658 |
| 100ZJ-1-A42 | 90 | 66-275 | 14.7-70.8 | 700-1480 | 71.0 | 3 | 35 | 625 |
| 100ZJ-1-A39 | 75 | 61-255 | 12.6-61.0 | 700-1480 | 39.0 | 2.4 | 35 | 615 |
| 100ZJ-I-B42 | 90 | 83-365 | 12.7-66.8 | 700-1480 | 71.6 | 2.5 | 40 | 635 |
| 100ZJG-1-B42 | 75 | 45-205 | 12,6-70.7 | 700-1480 | 63.2 | 1.8 | 18 | 480 |
| 100ZJ-I-A36 | 55 | 61-215 | 9.7-49.5 | 700-1480 | 71.6 | 2.0 | 32 | 597 |
| 100ZJ-I-A33 | 45 | 56-225 | 8.2-41.6 | 700-1480 | 69.6 | 18 | 32 | 590 |
| 80ZJ-1-A52 | 160 | 51-242 | 22.1-109.8 | 700-1430 | 56.3 | 2.1 | 21 | 993 |
| 80ZJ-I-A42 | 75 | 61-204 | 14.4-70.4 | 700-1480 | 66.7 | 2.5 | 24 | 599 |
| 80ZJ-I-A39 | 55 | 57-189 | 12.4-60.7 | 700-1480 | 64.7 | 2.4 | 24 | 589 |
| 80ZJ-I-A36 | 45 | 46-190 | 9.6-51.4 | 700-1480 | 67.7 | 2.5 | 24 | 559 |
| 80ZJ-1-A33 | 37 | 43-174 | 8.0-43.2 | 700-1430 | 65.7 | 2.3 | 24 | 552 |
| 65ZJG-I-A48B | 55 | 26-112 | 13,5-77.2 | 700-1480 | 43.4 | 1.6 | 10 | 675 |
| 65ZJ-I-A30 | 15 | 23-79 | 74-34.8 | 700-1460 | 63.5 | 2.0 | 19 | 450 |
| 65ZJ-I-A27 | 11 | 20-71 | 6.0-28.2 | 700-1460 | 61.5 | 1.8 | 19 | 445 |
| 50ZJ-I-A50 | 90 | 27-111 | 22.3-110.7 | 700-1480 | 45.1 | 3.0 | 13 | 941 |
| 50ZJ-I-A46 | 55 | 23-94 | 17.9-85.8 | 700-1480 | 44.7 | 1.4 | 14 | 657 |
| 50ZJ-I-A33 | 18.5 | 12/54 | 7.7-42.5 | 700-1480 | 42.1 | 2.9 | 13 | 395 |
| 40ZJ-I-A19 | 15 | 8.0-34.9 | 12.8-57.1 | 1430-2930 | 58.8 | 1.3 | 11 | 116 |
| 40ZJ-I-A17 | 7.5 | 4.5-23.4 | 9.1-44.6 | 1400-2900 | 52.4 | 25 | 11 | 90 |
| 250ZJL-A50 | 200 | 392-1057 | 16.2-372 | 730-980 | 72.2 | / | 56 | 1750 |
| 150ZJL-B55B | 110 | 129-479 | 10.0-19.3 | 490-980 | 59.8 | / | 50 | 1500 |
| 150ZJL-A35 | 37 | 99-364 | 3.0-17.9 | 490-980 | 69.0 | / | 15 | 770 |
| 100ZJL-A34 | 45 | 74-293 | 5.5-36.8 | 700-1480 | 65.8 | / | 14 | 722 |
| 100ZJL-A34J | 45 | 100-299 | 12.1-35.9 | 980-1480 | 64.0 | / | 14 | 713 |

## 渣浆泵 | Slurry Pumps

| 型号 Model | 允许配带最大功率 (kw) Allowable Max.power of Ass. Motor | 清水性能 Clear Water Performance | | | | | 间断通过最大粒度 Paricle Max. Size Handled Occasionally (mm) | 泵净重 Pump Weight (kg) |
|---|---|---|---|---|---|---|---|---|
| | | 流量($m^3$h) Capacity Q | 扬程(m) Head H | 转速(n) Speed (r/min) | 最高效率 (%) Max. Eff | 汽蚀余量 (m) (NPSH) r | | |
| 80ZJL-A45 | 75 | 82-284 | 24.5-80.5 | 700-1480 | 58.3 | / | 25 | 785 |
| 80ZJL-A36 | 45 | 50-201 | 7.3-45.5 | 700-1430 | 58.2 | / | 12 | 570 |
| 80ZJL-A36B | 45 | 51-221 | 6.4-44.9 | 700-1480 | 54.1 | / | 26 | 652 |
| 65ZJL-A40 | 45 | 30-144 | 14.0-63.0 | 700-1480 | 50.0 | / | 12 | 658 |
| 65ZJL-A30 | 18.5 | 1B-98 | 5.9-34.7 | 700-1470 | 53.7 | / | 8 | 373 |
| 65ZJL-A30B | 22 | 28-106 | 7.1-34.4 | 700-1470 | 60.9 | / | 20 | 370 |
| 65ZJL-B30J | 15 | 19-84 | 5.8-323 | 700-1470 | 49.1 | / | 8 | 405 |
| 50ZJL-A45 | 55 | 30-117 | 20.3-78.4 | 700-1480 | 39.9 | / | 10 | 770 |
| 50ZJL-A45B | 55 | 23-107 | 11.4-74.0 | 700-1470 | 39.1 | / | 25 | 770 |
| 50ZJL-B40 | 30 | 15-65 | 8.6-58.3 | 700-1470 | 34.1 | / | 9 | 502 |
| 50ZJL-B40J | 30 | 17-53 | 21.2-60.8 | 700-1480 | 37.4 | / | 10 | 520 |
| 50ZJL-A35 | 22 | 19-86 | 7.3-47.1 | 700-1470 | 48.1 | / | 13 | 446 |
| 50ZJL-A35J | 22 | 26-89 | 12.6-46.2 | 970-1470 | 47.2 | / | 14 | 479 |
| 50ZJL-A35B | 22 | 17-73 | 8.0-46.5 | 700-1470 | 45.1 | / | 18 | 443 |
| 50ZJL-A20 | 4 | 8/38 | 1.4-10.7 | 700-1470 | 38.6 | / | 10 | 232 |
| 50ZJL-A20J | 30 | 18-70 | 5.6-16.2 | 1440-2950 | 33.8 | / | 17 | 370 |
| 40ZJL-A35 | 18.5 | 9.4-47.6 | 8.1-48.0 | 700-1470 | 38.7 | / | 6 | 465 |
| 40ZJL-B25 | 4 | 4.9-22.9 | 4.0-21.5 | 700-1440 | 37.6 | / | 8 | 214 |
| 40ZJL-B25B | 5.5 | 4.9-24.2 | 3.5-19.1 | 700-1440 | 30.4 | / | 18 | 216 |
| 40ZJL-B25J | 5.5 | 12.2-31.4 | 5.2-18.5 | 940-1440 | 41.8 | / | 8 | 235 |
| 40ZJL-A21 | 4 | 4.6-25.9 | 3.3-17.0 | 700-1440 | 44.6 | / | 10 | 183 |
| 40ZJL-A21B | 4 | 5.8-25.2 | 2.5-14.6 | 700-1440 | 36.6 | / | 13 | 180 |
| 25ZJL-A15 | 5.5 | 4.3-19.5 | 3.9-30.8 | 1390-2900 | 29.8 | / | 8 | 180 |
| 150CH-F50 | 250 | 156-719 | 18.5-96.2 | 700-1480 | 76.0 | 2.5 | / | 878 |
| 350XH-78 | 450 | 720-2826 | 11.6-49.8 | 400-730 | 78.0 | 3.5 | / | 2967 |
| 350SN-56 | 220 | 283-1257 | 10.1-61.8 | 700-1480 | 84.5 | 3.3 | / | 3290 |
| MD280-65×6 | 560 | 122-376 | 150-413 | 980-1480 | 69.1 | 6.5 | 20 | 2532 |
| MD280-13×10 | 560 | 122-378 | 144-460 | 980-1480 | 72.2 | 7.5 | 20 | 2561 |