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2021年05月版



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HGM系列德版磨粉机

HGM GERMAN HIGH EFFICIENCY POWDER GRINDING MILL

走进红星

About HongXing

红星集团以生产重型矿山机器为主，集科研、生产、销售为一体的大型股份制企业，现拥有四个大型生产基地。

公司总部位于郑州高新技术产业开发区，占地共350000平方米，拥有260000平方米标准化重型工业厂房，各种先进生产加工设备600余台。在线员工2300余人，其中具有中、高级职称的管理干部和工程技术人员360余人。

建立了国际先进的生产线和一流的现代化检测基地，并成立了砂石机器研究所、磨粉机器研究所、选矿设备研究所和建材设备研究所，产品已通过ISO9001、CE和GOST国际质量体系认证。可靠稳定的质量使公司产销量及各项综合经济指标居国内同行业的前列，数万家用户遍布全国，并远销一百多个国家。

Hongxing is a large-scale joint-stock enterprise mainly engaged in the production of heavy mining machinery and integrating scientific research, production and sales together. It currently has four large-scale production bases.

The company headquarter is located in Zhengzhou High-tech Industrial Development Zone, with a total area of 350,000 square meters, 260,000 square meters of standardized heavy industrial workshop, and more than 600 advanced production and processing equipment. There are more than 2,300 online employees, including more than 360 management cadres and engineering technician with middle and senior titles.

Hongxing built an internationally advanced production line and a first-

class modern testing base, establishing a sand and stone machine research institute, a milling machine research institute, a mineral processing equipment research institute and a building material equipment research institute. All the products have passed the ISO9001, CE and GOST international quality system certification.

Its reliable and stable quality makes the company's production and sales volume and various comprehensive economic indicators steps into the forefront of the domestic industry, tens of thousands of users all over the country and exported to more than 100 countries.



企业荣誉

Corporate Honours

红星集团自成立以来，视质量为生命，奉用户为上帝，并一贯遵循对每一道工序负责，对每一台产品负责，对每一位用户负责的质量方针，竭诚为用户服务。不断开发、引进新产品，努力在管理、科研、技术等方面争创一流水平。现公司产品已通过ISO9001、CE和GOST国际质量体系认证，公司生产的“红星牌”机器获得了“中国著名品牌”和“中国矿山机器十大品牌”等多项殊荣。红星集团用产品抢占市场，用服务创造市场，用品牌引领市场。“铸红星品牌，让用户满意”是红星永恒的追求。

Since its establishment, Hongxing group lays much emphasis on the quality and clients, regards quality as its life and respects users as God, and has always followed the quality policy of being responsible for each process, being responsible for each product, and being responsible for each user, and dedicated to serving users wholeheartedly. Aiming at the forefront contemporary technology, Hongxing continuously develops, introduces new products, and strives to strive for a first-class level in management, scientific research, technology, etc. Now all the company's products have

passed ISO9001, CE and GOST international quality system certification. “Hongxing brand machine” has won "China's famous brand" and "China's top ten brands of mining machinery" and many other awards. Hongxing occupies the market with products, creates the market with services, and leads the market with brands. "Building a Hongxing brand and satisfying users" is the eternal pursuit of Hongxing group.





强大的生产能力

Strong productive capacity

公司占地350000平方米，拥有260000平方米重型工业厂房，各种大、中型金加工、铆焊、装配设备200余台，装配最大起吊能力300吨，是目前国内矿山机械主要的生产和出口基地。

Henan Hongxing Mining Machinery Co., Ltd covers an area of 350,000square meters which includes 260,000 square meters of heavy duty industrial workshop. Our equipment includes more than 200 sets of large and medium sized metal processing, riveting and installing machines, the maximum lifting capacity is 300 tons.Our company has become a major mining machinery manufacture and export base in China.

超前的技术研发

Advanced technology research and development

下属三个国家级机器研究所，研发人员120余人，其中博士10人，硕士30人，拥有50余项国家级专利技术，并且与科技部及各大场院校建立了良好的合作关系，保证了红星产品在同行中步步领先，永立潮头。

With three state level machinery research institutes and more than 120 of employees for research & development, 10 with doctor's degrees, 30 with master degrees and with more than 50 of state patents, Hongxing has established favorable cooperation relationship with department of science and technology as well as universities and colleges, which guarantees the leading position in mining machinery manufacturing industry.





严谨的质量管理

Strict quality control

质量是我们的道德范畴，我们生产货真价实的产品，产品即我们的人品，我们谨记，不遵守质量要求就会付出沉重的代价。

Quality is our moral category, our products are worth its price, products are our moral standing, we firmly believe that we would be punished by the market without good quality.



HGM系列高压细粉磨一体机

HGM high-pressure fine grinding mill

GERMAN TECHNOLOGY
MADE IN CHINA

德国技术 中国制造

HGM高压细粉磨是红星集团科研所在40多年从事磨粉设备研发经验的基础上，根据多年来用户使用磨粉设备的实际情况，针对磨粉行业发展的需要，吸收国内外尖端成熟的粉磨技术及理念，潜心开发出的具有高技术水平的新型产品。

HGM high-pressure fine grinding mill is based on more than 40 years of experience in the research and development of grinding equipment by Hongxing Group Research Institute. According to the actual situation of users using grinding equipment for many years, according to the needs of the development of the grinding industry, it absorbs better domestic and foreign grinding technology and concepts, new products with high technical level developed with great concentration.

该机型采用了锥齿轮分体传动，内部稀油润滑系统，弧形风道等最新的多项专利技术。性能稳定，操作方便，能耗低；配备专用除尘器，降低了粉尘污染，自投放市场以来，性能稳定、技术先进、客户口碑良好。

This model adopts the latest patented technologies such as bevel gear split transmission, internal thin oil lubrication system, and arc-shaped air duct. Stable performance, convenient operation, low energy consumption; equipped with a special dust collector, reducing dust pollution, since its launch on the market, stable performance, advanced technology, and good customer reputation.

<< HGM系列高压细粉磨整机效果图

<< Figure of HGM high-pressure fine powder grinding mill

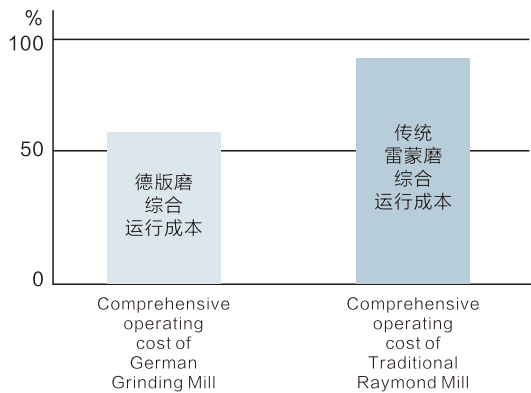


效率高、产量大

High efficiency and large output

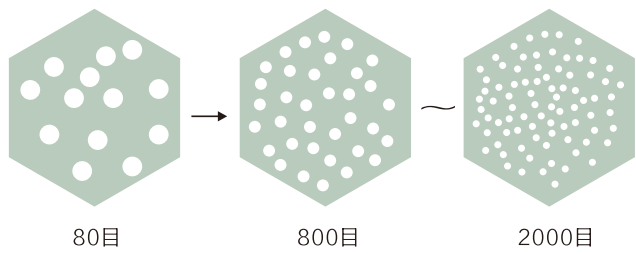
● 源自德国最新技术，中国国家专利产品，以技术革新开创摆式磨运行成本最低记录。

It is derived from the latest German technology and a Chinese national patent product. Create a record of the lowest operating cost of pendulum mills with technological innovation.



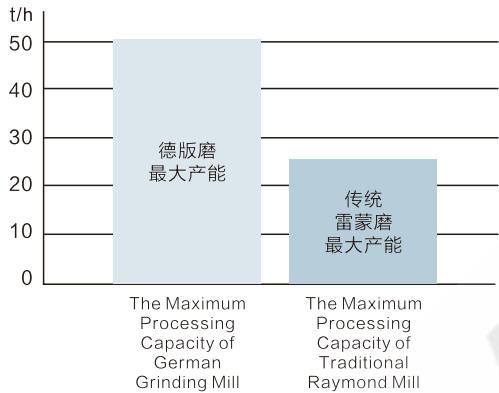
● 产品细度可在80-800目之间任意调节，部分物料可达2000目。

The fineness of the product can be adjusted arbitrarily between 80-800 mesh, and some materials can reach 2000 mesh.



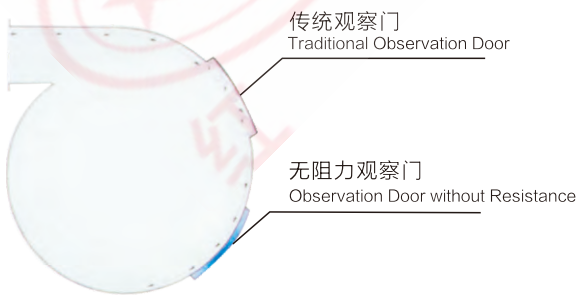
● 突破传统摆式磨产能瓶颈，独享国内单台产能最大的至尊地位，同等功率下，产量比传统R雷蒙磨高30%。

It through the capacity bottleneck of traditional pendulum mills, and enjoys the supreme position of the largest single domestic production capacity. Under the same power, the output is 30% higher than the traditional R type Raymond mill.



● 无阻力进风蜗壳，降低了因系统能耗造成的功率损失。

There is no resistance to the air inlet volute, which reduces the power loss caused by the energy consumption of the system;



理念先进的传动方式 Advanced transmission mode:

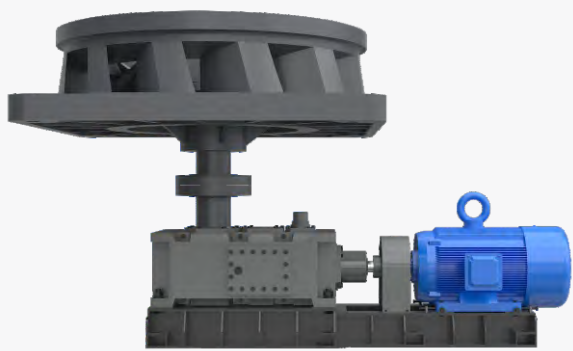
齿轮传动 Gear transmission:

- 1.V带加齿轮传动形式，安装调节快速方便；
 - 2.传动链减少，传递效率高，能耗低；
 - 3.传动比精确，传动平稳。
- 1.V-belt plus gear transmission, quick and convenient installation and adjustment;
2.The transmission chain is reduced, the transmission efficiency is high, and the energy is low;
3.Accurate transmission ratio and smooth transmission.



减速机传动 Reducer transmission:

- 1.分体式模块化结构，检修维护方便；
 - 2.联轴器加减速机的传动形式，结构紧凑；
 - 3.品牌减速机，质量可靠。
- 1.Split Modular structure, easy maintenance;
2.The transmission form of coupling reduce is compact in structure;
3.Brand reducer, reliable quality.



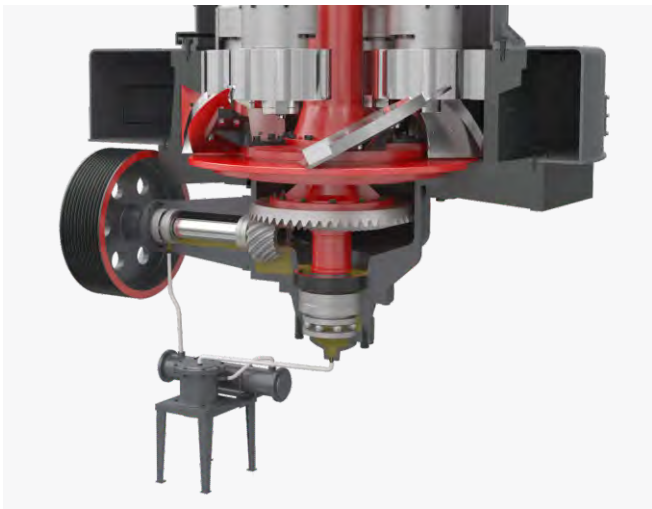
● 磨辊联动增压技术，运行平稳，碾磨压力大，产量明显提升。

Roller linkage pressurization technology, stable operation, high grinding pressure, and a significant increase in output.



● 独特的主轴结构、使主轴上部实现稀油润滑，外接冷却过滤器保证设备运转正常。

The unique spindle structure enables the upper part of the spindle to realize thin oil lubrication, and the external cooling filter ensures the normal operation of the equipment.



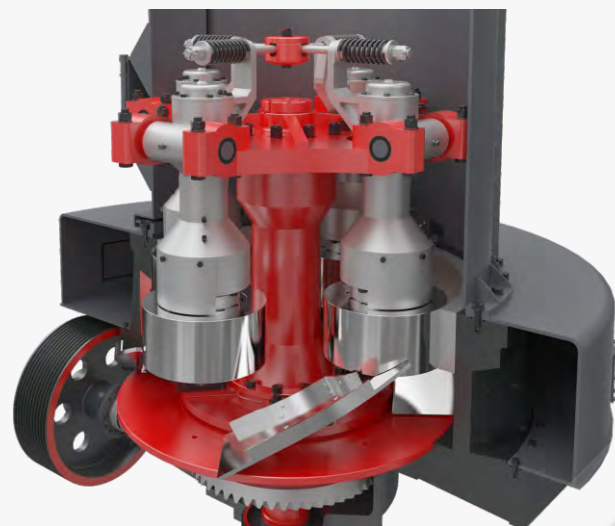
运行成本低

Low operating cost

- 特殊的磨辊及磨环结构设计，特殊耐磨刀刃铲刀，使粉磨效率提高，使用成本降低。
- 设备规格大，代替传统的小规格磨机并联工作的设计方案，大大减少人工成本。

The special structure design of the grinding roller and grinding ring, and the special wear-resistant blade shovel, improve the grinding efficiency and reduce the use cost.

The equipment size is large, instead of the traditional design scheme of small-size mills working in parallel, greatly reducing labor costs.



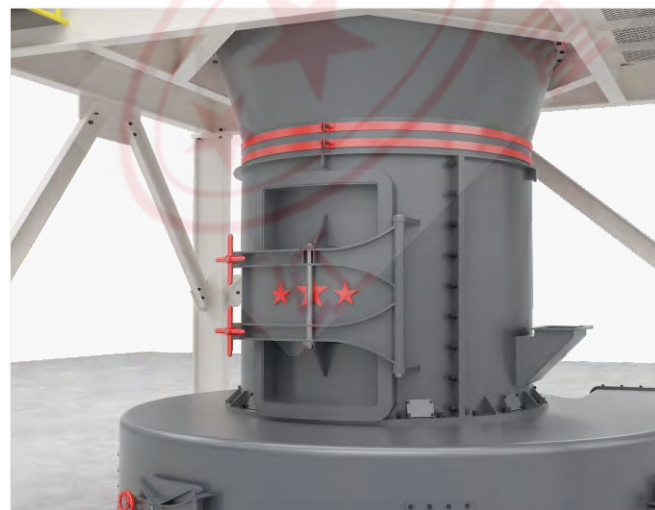
- 独特钢架支撑分析机，使设备运行更平稳，也为分析机的巡检、加油、检修提供方便。

The unique steel frame supports the analyzer, which makes the equipment run more smoothly, provides convenience for the inspection, refueling, and maintenance.



- 可剖式中机机体使更换磨环更方便，减少了人力，降低了维护成本。

The split-type middle machine body makes it more convenient to replace the grinding ring, reduces manpower and reduces maintenance costs.



高效的配置

Efficient configuration

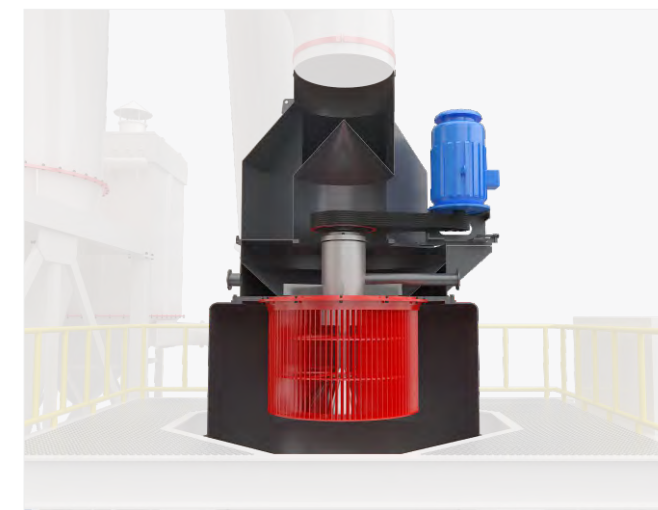
- 采用高压离心风机，节能、高效，可确保为系统运行提供稳定的风力。

The use of high-pressure centrifugal fans is energy-saving and high-efficiency, which can ensure stable wind power for system operation.



- 采用涡轮式选粉机，提高选粉效率和选粉精度，宽频电机变频调速，选粉范围广。

The turbine type powder separator is used to improve the efficiency and precision, and the wide-frequency motor provides a wide range of powder selection.



- 配置专用脉冲除尘器，除尘效果达99.99%以上，基本实现车间无尘化作业。

Equipped with a special pulse dust collector, the dust removal effect can reach more than 99.99%, and the dust-free operation of the workshop is basically realized.



- 加大型旋风集粉器，结合闭风下料器，大大提高收粉率，减少回粉。

The enlarged cyclone powder collector, combined with the closed air feeder, greatly improves the powder collection rate and reduces the powder back.



高产节能 低成本

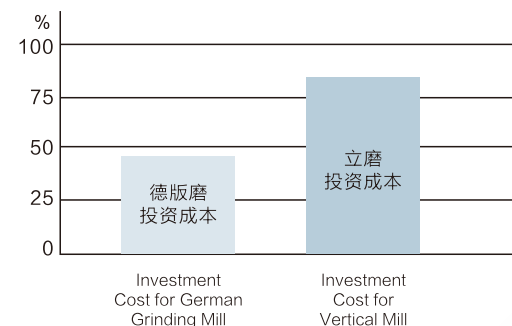
High-yield, energy-saving, low-cost

一机多用，投资经济

multiple functions, investment economy

- 无需更换任何部件，一台设备可应用于不同的物料和不同的成品粒径要求。
- 同等产量下，占地面积仅相当于R雷蒙磨的三分之一，厂房基础建设费用低，投资经济实惠，资金回笼快，收益迅速。

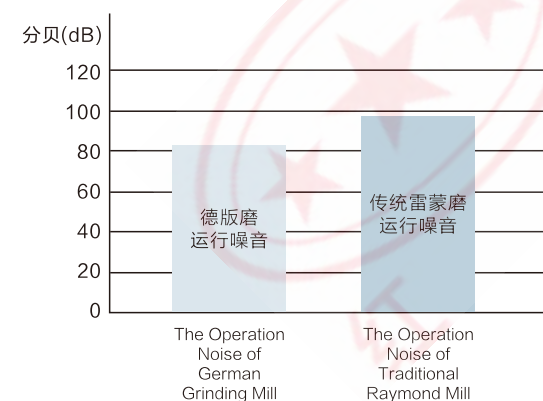
- No need to replace any parts, one mill can produce different materials and different finished product.
- Under the same processing capacity, the occupied area is only third of R Raymond Mill. The machine has the following advantages: low cost for the infrastructure construction of workshops, economical and practical investment, quick withdrawal of funds and dramatic increase in interest.



节能环保

Energy saving and environmental protection

- 粉尘排量少，配置专用除尘器，除尘效果达99.99%以上，基本实现车间无尘化作业。
- 运行噪音低，机器振动小。
- Machine is equipped with special dust collector, so there is less dust emission, and dust removal result could be over 99.99%, which could basically realize dustless working in the workshops.
- The noise of operation is low, vibration of machine is slight.



HGM的结构优势

Structural advantages of HGM mill

① 磨辊总成

密封采用德国技术，加油周期短，减少了维护次数，目前属于世界先进水平。

② 选粉机

选粉机采用低阻力吊挂式笼式选粉机，分选效率高。

③ 重型机座

使设备运转更平稳；地脚螺栓外置减少风道堵料。

④ 增压装置

设备运行时增大研磨压力。

⑤ 冷却装置

新颖的内部稀油润滑系统，起到润滑、冷却及过滤的作用，换油周期长，用油成本低，维护频次少。

Grinding roller assembly

The seal adopts German technology, the refueling cycle is short, and the maintenance frequency is reduced. It is currently at the world advanced level.

Powder classifier

The powder classifier adopts a low-resistance hanging cage powder classifier with high separation efficiency.

Heavy-duty base

Make the equipment run more smoothly; the external anchor bolts reduce the blockage of the air duct.

Booster device

Increase the grinding pressure when the equipment is running.

Cooling system

The novel internal thin oil lubrication system plays the role of lubrication, cooling and filtering, long oil change interval, low oil cost, and low maintenance frequency.



磨粉工艺流程

Milling process

HGM系列德版磨粉机升级加强版为立式机构，占地面积小，成套性强。

The upgraded and enhanced version of HGM series of German mill is a vertical mechanism, which has a small footprint and a strong complete set.

1. 颚式破碎机

Jaw crusher
2. 提升机

Bucket elevator
3. 料仓

Silo
4. 电磁给料机

Electro-vibrating feeder
5. 主机

Main machine
6. 分析机

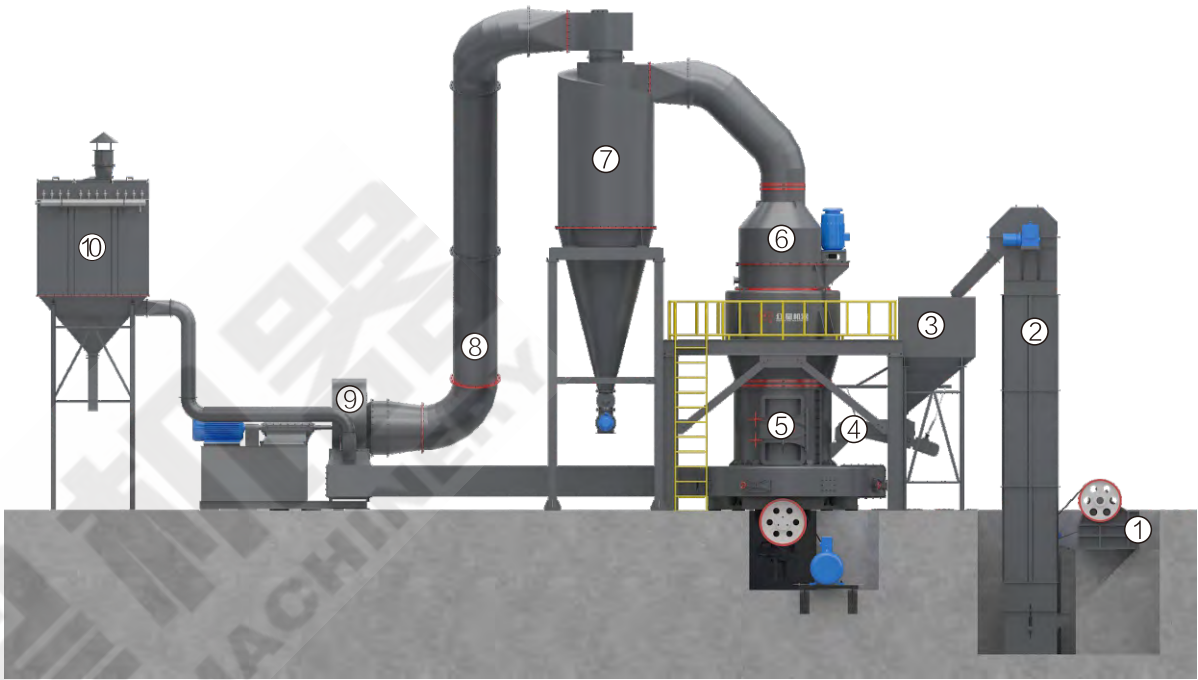
Analyzer
7. 旋风收粉器

Cyclone powder collector
8. 回风管道

Wind duct
9. 风机

Blower
10. 脉冲除尘器

Pulse dust collector



技术参数

Technical parameter

处理能力与原料硬度、给料粒度、成品粒度、水份等有很多不确定因素有关，数据仅供参考，一切以实际处理量为准。

The processing capacity is related to many uncertain factors such as raw material hardness, feed size, finished product size, moisture, etc. The data is for reference only, and everything is subject to the actual processing volume.

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型号 Model		进料粒度 Feeding size (mm)	成品粒度 Finished product size (mm)	处理能力 Capacity (t/h)	磨环直径 Grinding ring diameter (t/h)	磨辊数量 Number of grinding roller (t/h)	主机功率 Power of main machine (kW)	风机功率 Blower power (kW)	分析机功率 Analyzer power (kW)	传动方式 Transmission type	
HGM系列 德版磨粉机 HGM German high efficiency powder grinding mill	HGM88	<25	0.25-0.015	0.4-5	908	3	22	22	5.5	皮带传动	V-belt transmission
	HGM95	<25	0.25-0.015	0.6-7	1006	3	37	37	7.5	皮带传动	V-belt transmission
	HGM100	<25	0.25-0.015	0.8-10	1075	3	45	45	11	减速机传动	Reducer transmission
	HGM120	<25	0.25-0.015	1.2-15	1280	3	55	75	15	减速机传动	Reducer transmission
	HGM130	<25	0.25-0.038	1.6-21	1400	3	75	90	18.5	减速机传动	Reducer transmission
	HGM138	<25	0.25-0.038	2-25	1510	4	90	110	22	减速机传动	Reducer transmission
	HGM160	<30	0.25-0.038	2.7-28	1770	5	132	160	22/30	减速机传动	Reducer transmission
	HGM175	<35	0.25-0.038	3-35	1900	5	185	200	30	减速机传动	Reducer transmission
HGM系列 新型德版 磨粉机 HGM new German high efficiency powder grinding mill	HGM190	<40	0.25-0.038	5-40	2040	4	250/280	250/280	55	减速机传动	Reducer transmission
	HGM115	<25	0.25-0.015	1.2-15	1220	4	55	75	15	齿轮传动	Gear transmission
	HGM145	<30	0.25-0.038	2-26	1570	4	90/110	110	18.5/22	齿轮传动	Gear transmission
	HGM178	<35	0.25-0.038	3-38	1950	4	185/200	200/220	30/37	齿轮传动	Reducer transmission
	HGM198	<40	0.25-0.038	6-50	2130	4/6	280/315	280/315	55/75	减速机传动	Reducer transmission
	HGM218	<40	0.25-0.038	7-60	2340	4/6	355/400	355/400	90/110	减速机传动	Reducer transmission

配套设备

Supporting equipment



颚式破碎机
Jaw crusher

型号 Model	生产能力 Capacity (t/h)	配套的德版磨型号 Model of matched
PE-150 × 250	1-3	HGM88
PE-200 × 300	2-6	HGM95/100
PE-200 × 350	3-10	HGM120
PE-250 × 400	5-20	HGM130/138
PEX-250 × 750	13-35	HGM160/175
PEX-250 × 1000	18-40	HGM190



DMC单机脉冲除尘器
DMC pulse dust collector

型号 Model	过滤面积 filtering area (m²)	处理风量 Capacity (m³/h)	配套的德版磨型号 Model of matched
DMC24	18	1080-2160	HGM88/95
DMC36	27	1620-3240	HGM100/120
DMC48	36	2160-4320	HGM130
DMC64	48	2880-5760	HGM138
DMC80	60	3600-7200	HGM160
DMC112	84	5600-10800	HGM175/190



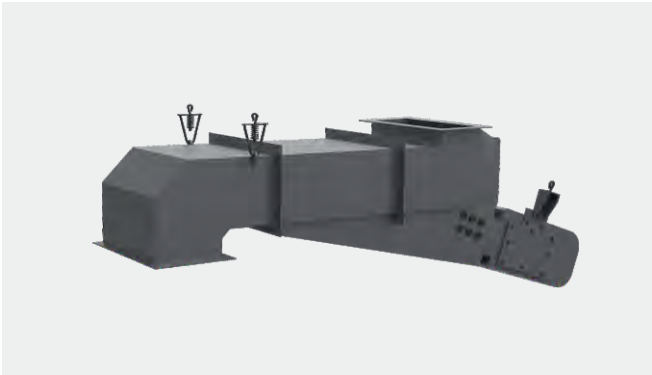
斗式提升机
Bucket elevator

型号 Model	输送量 Capacity (t/h)	配套型号 Model of matched
TH160	3-8.6	
TH200	8-11.5	HGM88/95/100/120
TH250	10-17.8	HGM130/138
TH300	25-35	HGM175
TH315	30-50	HGM190
TH400	35-55	
TH500	66-76	
TH630	95-109	



干粉自动包装机
Automatic dry powder packing machine

型号 Model	总体尺寸 size (LxWxH)	技术参数 Technical parameter:
DGF-50B	1170 × 670 × 1200	1.袋重误差 Bag weight error A: 0.5kg B、C: 0.3kg D、L、K≤0.2 2、袋重合格率: 95% Qualified rate of bag weight 3.每嘴产量: 5-15t/h Yield per mouth 4.单袋重量: 10-50kg可调 Single bag weight
DGF-50C	1170 × 670 × 1000	
DGF-50D	1050 × 1050 × 1450	
DGF-50Q	1385 × 800 × 1657	
DGF-50K	1520 × 1059 × 1830	



GZ电磁振动给料机
GZ electro-vibrating feeder

型号 Model	给料能力 Capacity (t/h)	配套的德版磨型号 Model of matched
GZ1	5	HGM88/95/100
GZ2	10	HGM120/130
GZ3	25	HGM138/160/175
GZ4	50	HGM178
GZ5	100	



DY移动式皮带输送机
DY mobile type conveyor belt

型号 Model	输送能力 Capacity	
	m³/h	t/h
DY4031	90	80
DY50102	125	112
DY5051	160	145
DY65102	224	200
DY6551	290	265



螺旋输送机
Screw conveyor

型号 Model	输送量 Capacity (m³/h)
LS100	2.2
LS160	7.6
LS200	11
LS250	22
LS315	36.4
LS400	66.1
LS500	93.1



刚性叶轮给料机
Impeller feeder

型号 Model	卸料量 Capacity (m³/h)
2型	4
4型	8
6型	12
8型	16
10型	20
12型	24
14型	28

带给用户更大的价值

Bring greater value to users

历史底蕴/Historical background:



高端智能矿机生产出口基地

红星集团以为用户创造更大的价值为使命，经过40多年的积累，已成为20万+客户的选择，产品遍布世界各地。

High-end smart mining machine manufacture and export base
Hongxing Group takes the mission of creating greater value for users. After more than 40 years of accumulation, we have become the choice of 200,000+ customers, and our products are all over the world.



全面的制作能力

公司主要生产有破碎设备、制砂设备、磨粉设备和选矿设备四大系列产品。设备的全面性可为您提供一站式服务。

Comprehensive manufacturing capacity
HXJQ mainly produces four series of products: crushing equipment, sand making equipment, grinding equipment and ore beneficiation equipment. Because of comprehensiveness of the equipment, we can provide you with one-stop service.



精湛的技术专家团队

专业的研发及售前、售后技术团队，为您提供专业的解决方案。完善的客户回访管理机制，全面、系统的培训体系，为您的后期使用提供全面的技术支持。

Superb team of technical experts
The professional R&D and pre-sales technical team will provide you with professional solutions. Perfect customer return visit management mechanism, comprehensive and systematic training system, will provide comprehensive technical support for your later use.



我们的售后服务

我们深知真正的销售是从售后开始的。红星人365天*24小时专业售后团队随时待命，为您的生产保驾护航。

Our after-sales service
We know that real sales start from after-sales. The professional after-sales team of Hongxing 365 days * 24 hours is on standby to escort your production.

我们的愿景/Our vision:

成为全球客户所信赖的产品和解决方案供应商。

Become a trusted supplier of products and solutions to global customers.

我们的使命/Our mission:

为用户创造更大的价值。
Create greater value for users.

