

HWM系列 微粉环辊磨粉机

HWM SERIES MICRO
POWDER RING ROLLER MILL

设备介绍 Equipment Introduction

HWM系列微粉环辊磨是一款具有辊压、碾磨、冲击等综合机械粉磨性能的超细粉磨设备，突破了传统雷蒙磨只能生产400目以下的限制，达到了产品细度在325-2500目之间灵活调节，成品细度最细可达 $D_{97} \leq 3\mu m$ 。该磨粉机占地面积小、成套性强、用途广、操作简单、维修方便、性价比高，是高效节能的超细粉碎设备。

HWM series micro powder ring roller mill is an ultra-fine grinding equipment with comprehensive mechanical grinding properties such as rolling, grinding, and impact. It breaks through the limitation that traditional Raymond mill can only produce less than 400 mesh, and reaches the product fineness It can be flexibly adjusted between 325-2500 mesh, and the final fineness can reach $D_{97} \leq 3\mu m$. The grinding mill occupies a small area, is highly complete, has a wide range of uses, is simple to operate, is easy to maintain, and is cost-effective. It is an efficient and energy-saving ultra-fine grinding equipment.

应用领域 Application Area

适用于碳酸钙、重晶石、滑石、石膏、方解石、石灰石、氧化钙、膨润土、白云石等莫氏硬度5级以下、湿度5%以内的非金属矿物进行加工。
Suitable for processing calcium carbonate, barite, talc, gypsum, calcite, limestone, calcium oxide, bentonite, dolomite and other non-metallic minerals with Mohs hardness below level 5 and humidity within 5%.

设备优势 Equipment Advantage

①投资成本低，出粉效率高

在同等细度的情况下，比球磨机、气流磨、搅拌磨，投资少、周期短、成品细度效率高出40%，能耗降低30%。

Low investment cost and high powder extraction efficiency
At the same fineness, it has less investment, shorter cycle, 40% higher finished product fineness efficiency, and 30% lower energy consumption than ball mills, jet mills, and stirrer mills.

③安装便捷

无需大型土建工程，设备安装完即可投入使用，设备运行平稳可靠。

Easy to install

There is no need for large-scale civil engineering work, the equipment can be put into use after installation, and the equipment operates smoothly and reliably.

②维护成本低、操作简单

磨机腔内无轴承、无螺旋，避免了油脂常年消耗和轴承烧死等状况，易损件采用高硬度耐磨材料，延长使用寿命。

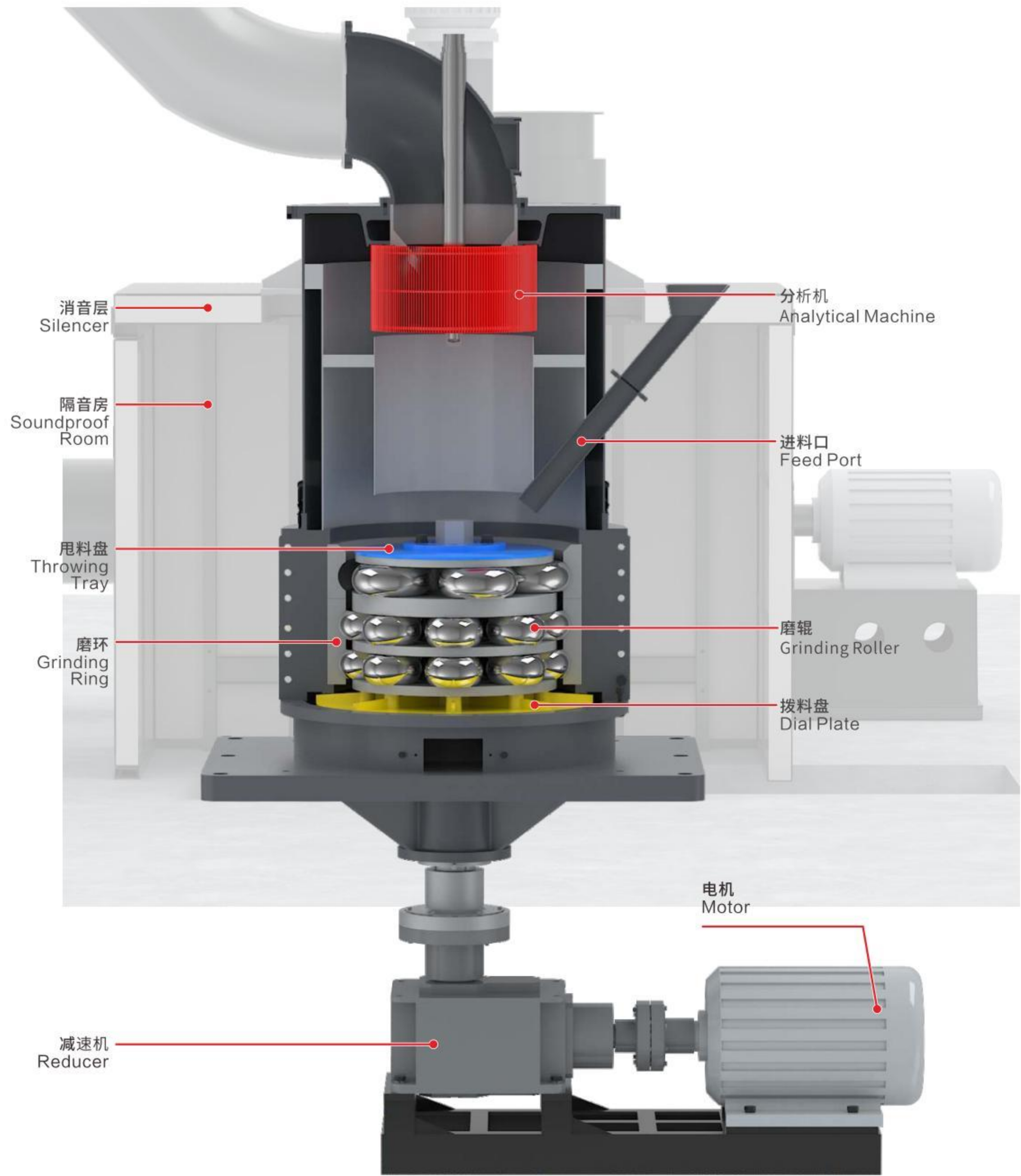
Low maintenance cost and simple operation
There are no bearings or spirals in the mill cavity, which avoids the long-term consumption of grease and burning of bearings. The wearing parts are made of high-hardness and wear-resistant materials to extend the service life.

④清洁环保

采用成套负压生产和高效离线清灰收尘器，收尘效率高达99.9%。主机和风机分别安装消音房和消音器降低生产噪音，完全符合国家环保标准。

Clean and environmentally friendly
Using a complete set of negative pressure production and efficient offline dust cleaning dust collector, the dust collection efficiency is as high as 99.9%. The main engine and the fan are respectively equipped with anechoic chambers and silencers to reduce production noise, fully complying with national environmental protection standards.

主要结构
Main Structure



工艺流程图
Process Flow Chart



技术参数
Technical Parameter

型号	入料粒度	入料水分	成品粒度范围	产量	主机功率	选粉机功率	风机功率
Model	Feeding particle size (mm)	Feed moisture (%)	Finished product particle size range (μm)	Capacity (t/h)	Main machine power (kW)	Powder classifier power (kW)	Fan power (kW)
HWM821	<10	≤3%	5~45	0.5~4	75~90	18.5~22	45~55
HWM1021				1~6	110~132	22~30	75~90
HWM1228				1.5~12	185~200	37~55	110~132

注：产量根据不同物料、进料粒度等因素其结果将有所不同
Note: processing Capacity May Vary With Different Materials And Feeding Sizes.

技术参数变动恕不另行通知,设备重量及外形尺寸以实物为准。
Any Change of the technical data shall not be advised additionally, please make the weight and the dimensions of the object as the standard.