

HAMMER MILL

锤式粉碎机



研发
R&D



生产
Production



销售
Sales



售后
After sales



设备原理 Equipment principle

粉碎原理

本机采用冲击式粉碎方法。

转子建在上下料斗之间，转子配备了锤子。

从上层料斗送来的材料被旋转的锤子冲撞·摩擦粉碎。

小于所需粒径的材料比对旋转离心力作用、通过下层筛子成为产品。

产品的粒度由锤子的速度和筛子的孔径大小来调整。



XRH-400

Crushing principle

This machine adopts impact crushing method.

The rotor is built between the upper and lower hoppers and is equipped with a hammer.

The material delivered from the upper hopper is crushed by a rotating hammer and rubbed.

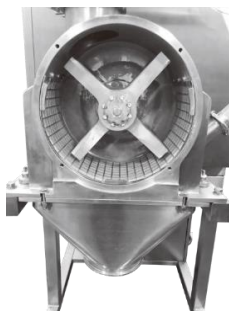
Materials smaller than the required particle size act on the centrifugal force of rotation and pass through the lower sieve to become a product.

The particle size of the product is adjusted by the speed of the hammer and the pore size of the sieve.

设备名：锤式粉碎机

用途：原材料粉碎用

型号：XRH-400



Equipment name : Hammer mill

Use : Raw material crushing

Model : XRH-400

型号	Model	XRH-400
电机动力	Motor power	7.5kW
刀盘转速	Blade revolution	500 ~ 3,000r/min
生产能力	Production capacity	100 ~ 5,000kg/hr
机器尺寸	Machine size	W840×L1,230×H1,650mm
设备重量	Equipment weight	500Kg

设备优势 Advantage of equipment

粉碎能力大

由于粉碎室容积和筛网面积大，处理能力大。

由于不需要辅助设备，因此效率很高。

Large crushing capacity

Due to the large volume of the crushing chamber and the screen area, the processing capacity is large.

Since no auxiliary equipment is required, it is highly efficient.

破碎时不产生热量

机内结构简单，原料停留时间短，

这意味着它不容易受到热效应的影响，

可用于粉碎热敏性较弱的原料。

No heat is generated when broken

The structure inside the machine is simple,

the residence time of raw materials is short,

This means that it is not susceptible to thermal effects,

It can be used to crush raw materials with weak heat sensitivity.

易于设备移动

标准配备有脚轮，便于将机器移动到工厂的另一个位置。

Easy to move the device

Castors are equipped as standard to facilitate the movement of

the machine to another location in the plant.



易于调整颗粒大小

通过改变锤子的转数和筛网的孔径大小，易于调整。

Easy to adjust particle size

It is easy to adjust by changing the number of revolutions of the hammer and the size of the aperture of the screen.

可进行广泛的粒度设置

变频器内置在电气控制盘中。锤子的速度可以自由改变。

Wide range of granular settings are possible

The inverter is built into the electrical control panel.

The speed of the hammer can be freely changed.

易于拆解和清洁

为了便于清洁机器，使用了手动拧紧的螺栓。

Easy to disassemble and clean

To facilitate cleaning of the machine, manually tightened bolts are used.

出色的保养性！

Outstanding maintainability!



【应用领域】

锂电池负极材料 树脂 火药原料 纤维性植物 医药品原料 中草药原料 面粉类 谷物类

【Application】

Lithium battery anode material Resin Gunpowder raw materials Fibrous plants Pharmaceutical raw materials

Chinese herbal raw materials Flour Grains

产能高！

High production capacity!

短时间粉碎！

Crush in a short time!

正反转功能！

Forward and reverse function!

设备特点 Equipment features

从粗粉碎到细粉碎在一台机器上完成

From coarse crushing to fine crushing is done on one machine

设备参数

粉碎粒径 30 μ m ~ 20mm
产 能 100kg ~ 5,000kg/h
粉碎温度 60°C ~ -20°C
粉碎物密度 2kg/dm³
Device parameters
Crushing particle size 30 μ m ~ 20mm
Output capacity 100kg ~ 5,000kg/h
Crushing temperature 60°C ~ -20°C
The density of crushed matter 2kg/dm³

可以用铁锤子砸碎
任何可以粉碎的东西哦!

It can be smashed with an iron hammer
Anything that can be crushed!



即使是植物性材料的切割和破碎，
这在普通的破碎机中也是不可能实现的!
Even the cutting and crushing of plant-based materials,
This is also impossible in an ordinary crusher!



- ❖几乎所有的干货都可以粉碎。
- ❖可粉碎纤维状的原料，中草药，面粉类，谷物类。
- ❖在医药领域上根据GPM标准、可无菌化生产。
- ❖因结构设计简单，故障率小。
- ❖因主机简易占地面积小，可加设在任何产线。
- ❖马达可调整正转，反转。
- ❖因锤头两端不同，正转时剪切粉碎，反转时敲击粉碎。

- ❖Almost all dry goods can be crushed.
- ❖It can crush fibrous raw materials, Chinese herbal medicines, flour, and grains.
- ❖In the pharmaceutical field, it can be produced according to GPM standards and can be sterile.
- ❖Due to the simple structure design, the failure rate is small.
- ❖Due to the simple and small footprint of the machine, it can be added to any production line.
- ❖Motor adjustable forward rotation, reverse.
- ❖Due to the different ends of the hammer head, it is sheared and crushed when it is forward, and crushed by tapping when it is reversed.

试验案例 Experimental cases

实验目的 客户提供的原料进行粉碎

试验机器 锤式粉碎机 型号：XRH-400 120目筛网

原料名称 麦芽糊精

原料形状 不规则颗粒状

原料粒径 D10 5.6 μ m D50 25~26 μ m D90 50 μ m

试验方法 一次投料10kg 粉碎时间1分20秒 (产能400~500kg)

测试噪音 检测结果为平均80~90分贝

实验结果 利用120目的筛网过筛 下网率80% 足够满足客户要求

Purpose of the experiment Crushing is carried out using the raw materials

Test Machine Hammer Mill Model: XRH-400 120mesh screen

Raw material name Maltodextrin

The shape of the raw material Irregular and granular

Raw particle size D10 5.6 μ m D50 25~26 μ m D90 50 μ m

Test method One feeding 10kg Crushing time 1 minute 20 seconds (Production capacity 400~500kg)

Test noise The test result is an average of 80~90 decibels

Experimental results The use of 120 mesh screen screening rate of 80% is enough to meet customer requirements

粉碎前原料图片

Picture of raw materials before crushing



粉碎后产品图片

Picture of the product after crushing



可粉碎电池材料、封装剂、稀土、金属氧化物、陶瓷、塑料等。

我们有自己的试验机。请随意试一试。

It can crush battery materials, encapsulants, rare earths, metal oxides, ceramics, plastics, etc.

We have our own testing machine. Please feel free to give it a try.



高新技术企业
High-tech enterprise



高新技术产品认定
High-tech product identification



中国科学院苏州纳米研究所产学研基地
Suzhou Institute of Nanotechnology, Chinese Academy of Sciences, Designation of Joint Research Centers



中南大学合作设立博士生工作站
Collaboration with Central South University to establish a doctoral internship



ISO9001认证
ISO9001 certification



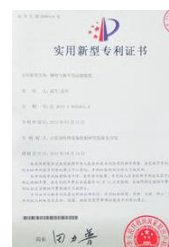
欧洲CE认证
CE certification in Europe



韩国KCs认证
KCs certification in Korea



防爆设备安装认证
Explosion-proof equipment installation certification



专利证书
Patent certificate

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锂电设备 粉体机器

