



## Vertical Roller Mill Production Line 立式辊磨机磨粉生产线

### 工作原理

立磨磨粉线主要由立磨主机、集尘器、热风炉、斗式提升机、给料机、料仓等组成。

磨粉线工作时，原料通过料仓底部的给料机均匀送出，由斗式提升机将原料提升至适合进入立磨的高度，然后通过中间输送机将原料送入立磨进料管，通过进料管进入立磨内进行研磨粉碎，研磨粉碎后的物料被热风炉产生的热气流带入磨机上方的选粉机，同时物料在壳体内被热气体烘干，经过选粉机分级筛选，不合格粗粉落回磨盘重磨，合格细粉进入集尘器收集即为成品，成品通过输送机送入料仓集中存储。

### 性能特点

1. 处理能力大，磨粉效率高；
2. 烘干能力强；
3. 工艺流程简单，占地面积小；
4. 噪音低，粉尘污染小；
5. 成品化学成分稳定，颗粒级配均匀。
6. 配件磨损小，使用寿命长。

### Working Principle

Vertical Roller Mill Production Line mainly consists of the grinder, dust collector, hot air stove, bucket elevator, feeder, hopper etc.

When it works, raw materials are fed in evenly by the feeder at the bottom of the hopper, then lifted to appropriate height by the bucket elevator, then sent into the mill through feeding pipe to be grinded, the grinded materials are brought into the powder classifier by the hot air generated by the hot air stove, at the same time, the materials are dried and classified, the unqualified materials fall down to be regrind, qualified fine powders are sent into powder collector, and then transported to the storage by the conveyor.

### Features

1. High capacity and efficiency.
2. High drying ability.
3. Simple technological process, less premise.
4. Low noises and pollution.
5. Stable chemical composition and even granularity of end products.
6. Long service life of spare parts.

