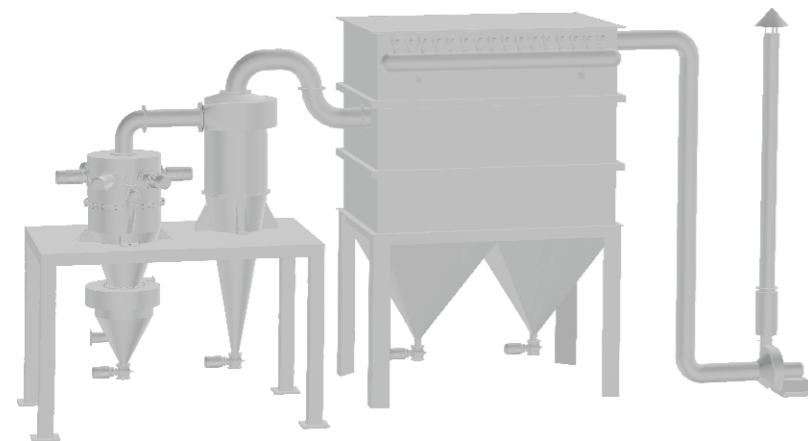


卧式微米分级机

Horizontal micron grade machine



工作原理

涡轮式分级机是带有二次进风及水平安装分级转子的强制型离心分级机，它由分级转子、导叶片整流器、加料器等组成。物料由上筒身加入，外界一次风对物料风筛作用，使粒子充分分散，并上升至分级区，由于分级转子高速旋转，粒子既受到分级粒子产生离心力，又受到气流粘性作用产生的向心力，当粒子受到离心力大于向心力，即分级径以上的粗粒子沿容器壁面旋下，外界二次空气通过导流部整流成均一旋流，将混杂或粘附于粗粉中的细粒分离干净，分离后粗粒从下部粗粒口排出，分级径以下细粒随气流进旋风分离器、除尘器收集，净化后气体从引风机排出。

特点

- 可配合各类干式粉磨机械 (气流磨、行星磨、球磨机、雷蒙磨、振动磨等) 组成闭路系统。
- 分级效率高，物料在卸出前受到旋流冲击，将混杂或粘附于粗粒的细粒子进一步分离，从而提高了分级效率和分级精度，粒度分布窄，可获得97%小于 5 μ m超细粉产品。
- 卧式分级转子采用耐磨材料制成，单只和多只并用，传动稳定，使用寿命长。

PRINCIPLE:

The turbine grader, as a forced centrifugal grader with secondary air entry and horizontal grading rotator is composed of grading rotator, guide vane rectifier and screw feeder. The materials are fed through the upper cartridge, and the grains will be sieved and well distributed by the incoming air, which brings the grain to the grading zone. The centrifugal force produced by the fast rotation of grading rotator together with the centripetal force produced by the pneumatic adhesion both act on the grading grains. When the centrifugal force on the grain is greater than the centripetal force, the coarser grains above the grading range will be swirled down along the container wall. The secondary air will be rectified to uniform cyclone through the guide vane and separate the thinner grains from the coarser ones. The separated coarser grains will be blown out from the discharge port. The thinner grains will come to cyclone separator and collector, whereas the purified air will be vented outside from the draft.

FEATURES

- Compatible with a variety of dry type powder mill machinery (jet mill, ball mill, Raymond mill) to form a closed circuit . High Grading.
- Efficiency Before discharge, the impact of cyclone: on the materials separates the coarser grains efficiency and precision. Yielding 97% superfine products of less than 5 μ m.
- The horizontal grading rotator, made of abrasion resistant materials, is featured by stable operation and sustainable service life.

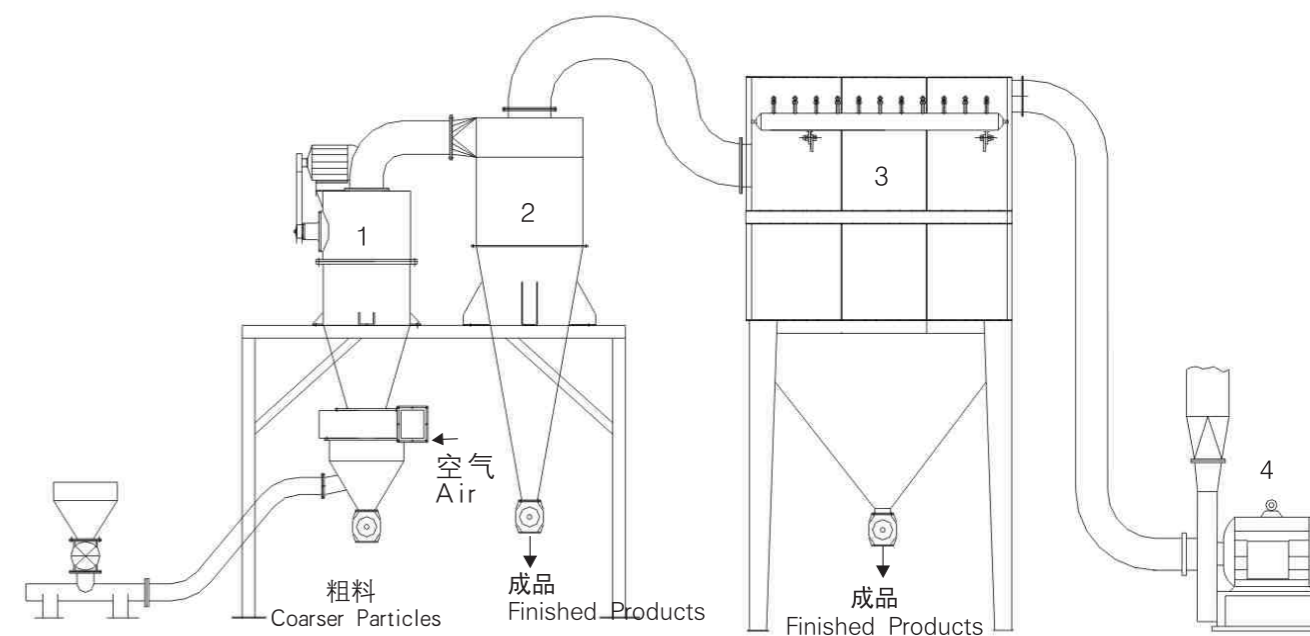
主要技术参数

Major Technical Parameters

参数 Parameter	型号 Model	WFJ-260	WFJ-400	WFJ-600	WFJ-800	WFJ-1200A	WFJ-1500	WFJ-1500A	WFJ-2000A
分级粒径 (μ m) Grinding Size		2~15	2~15	2~15	2~15	2~15	2~15	3~15	4~15
处理量 (kg/h) Capacity (kg/h)		50~200	300~1000	500~1500	1000~3000	1500~3500	6000~8000	3000~6000	4500~9000
转子功率 (kw) Rotor Power (kw)		3.0	5.5	7.5	11 \times 3	55 \times 1	15 \times 6	90 \times 1	132 \times 1
系统风量 (m^3/h) System Airflow (m^3/h)		600	2100	5000	7500	8800	15000	16500	23500
空气耗量 ($m^3/min/Mpa$) Air Consumption ($m^3/min/Mpa$)		1.25/0.7	1.8/0.7	2.5/0.7	4.5/0.7	6.0/0.7	10/0.7	8.0/0.7	10/0.7

微米分级机流程示意图

Flow chart of micron grader



- 1、WFJ涡轮式分级机
- 2、旋风分离器
- 3、除尘器
- 4、引风机

1. WFJ Turbine Milling Grader
2. Cyclone Separator
3. Dust collector
4. Draught Fan