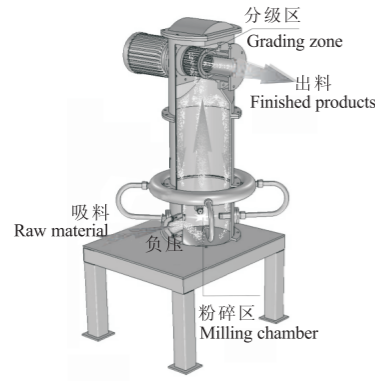


## 实验室用台式气流粉碎机（100型）

100 Jet Mill used in Lab



生产能力(kg/h) Capacity(kg/h)	0.5~10
空气耗量(m3/min) Air Consumption(m3/min)	2
工作压力(Mpa) Working Pressure (Mpa)	0.75~0.85
进料粒径(目) Feed Diameter(mesh)	100~325
粉碎细度(μm) Grinding Size(μm)	0.5~30
装机功率(kw) Energy Consumption Power	20

### 工作原理

实验室用气流粉碎机的粉碎原理是基于流化床气流粉碎原理，运用高速气流实现干式物料超细粉碎的设备。物料在高速气流中加速，并在喷嘴交汇处反复冲击、碰撞，达到粉碎效果。被粉碎物料经过分级轮分级，分离出来，由旋风分离器 and 除尘器收集，未达到要求的物料继续回到粉碎室粉碎，直到达到要求为止。

### 特点

- 产量小，每小时 0.5~10 kg 即可，并且一次性可粉碎的物料越少越好，用户希望一次加料300g左右也能达到良好的粉碎效果；
- 易清洗，易拆卸，易安装，设备内部无死角，在使用的过程中不会因残留对样品造成污染；
- 设备粉碎时，噪音低，不会升温，不会掺入杂质，并且损耗极低；
- 占地面积小，体积小，外观简洁美观；
- 密闭性好，无粉尘，不会造成样品

无谓损耗；

- 对普通性状的物料，一遍可以粉碎到1000目左右。

### 适用范围

该机广泛应用于西药、中药、农药、化工、冶金等干粉类物料的超细粉碎在实验室里的试样。

### PRINCIPLE

Jet Mill used in Lab, whose principle is based on the principle of the fluidized-bed Jet Mill, is such a device as using the high-speed airflow to perform the dry-type superfine pulverizing. The grains are accelerated in the high-speed airflow. The materials will be ground by being accelerated, impacted and collided repeatedly in the midst of high-speed airflow. The pulverized materials are separated by the grading wheel and the required particles are separated then collected by Cyclone Separator and Collector. The coarser materials are sent back to the milling chamber for further pulverizing until they reach the required size.

### FEATURES

- Low capacity, 0.5~10 kg/h, fit to be used in Lab.
- The unit is designed as a compact internal structure to perform closed circuit milling.
- No temperature rise, low unit noise, no impurity, low waste during milling.
- Small dimension, compact shape, fit to be used in Lab.
- With good air proof, ensure clean environment.
- Common particle can realize 1000 mesh by one-time milling.

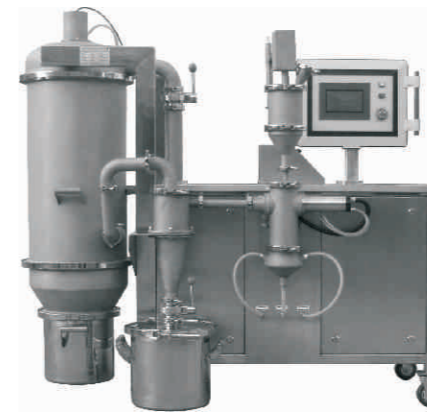
### APPLICATON SCOPE

It is widely applied to superfine pulverizing for nonmetallic ores, chemical metallurgy, western medicines, traditional Chinese medicine, agricultural chemical and ceramics, fit to be used in Lab.

## 实验室用台式气流粉碎机（50型）

50 Jet Mill used in Lab

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patented product, copy not allowed



生产能力(kg/h) Capacity(kg/h)	0.3~7
空气耗量(m3/min) Air Consumption(m3/min)	1.5
工作压力(Mpa) Working Pressure (Mpa)	0.75~0.85
进料粒径(目) Feed Diameter(mesh)	100~325
粉碎细度(μm) Grinding Size(μm)	0.5~30
装机功率(kw) Energy Consumption Power	15

### 特点

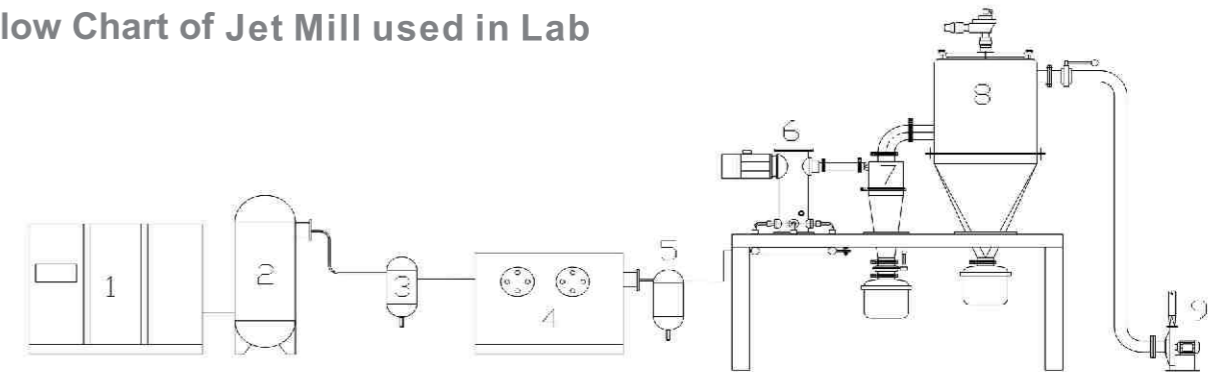
- 采用了高性能电机，运行稳定，转速高；对分级轮进行优化设计，并采用航空材质制作，具有高线速度，高切割精度，粒度分布窄等特点。
- 底喷嘴结构，可实现粉碎腔体内物料基本完全粉碎，残余很少。
- 采用了先进的触摸屏PLC控制系统，自动化程度高，可实现全自动操作。
- 外形美观大方，所有连接部分均采用卫生级抱箍连接，设备内壁无死角，易清洗，完全符合GMP要求。

### FEATURES

- High-performance motor is used here for its high rotating speed and stable running. Also, the classifier wheel is designed to an optimization made of aircraft material, so it has the advantages of high line speed, high cut precision and narrow particle size distribution.
- We have designed bottom nozzles so that the material in the grinding chamber can be milled as thoroughly as possible to make the remains less.
- Advanced PLC control system is adopted so as to achieve full automatic operation.
- It has a beautiful and dignified shape, all connection parts are connected by sanitation anchor ears, so it is easy to clean the equipment. Our equipment completely conforms to GMP standard.

## 实验室用台式气流粉碎机流程示意图

Flow Chart of Jet Mill used in Lab



1. 空气压缩机
2. 贮气罐
3. 精密过滤器
4. 空气冷冻干燥机
5. 除菌过滤器

1. Air compressor
2. Air storage tank
3. Precise filter
4. Air cooling drier
5. Sterilization filter

6. QYF流化床气流粉碎机
7. 旋风分离器
8. 除尘器
9. 引风机

6. QYF fluidized-bed jet mill
7. Cyclone separator
8. Dust collector
9. Draught fan