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Technical resources

## lab air jet mill

Model: QLF

<https://www.tencanballmills.com/en/products/grinding-series/other-grinding-equipment/lab-air-jet-mill.html>

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# lab air jet mill

Model: QLF

Lab air jet mill for ultra-fine grinding of hard, brittle, cohesive, and fibrous materials. Offers wide adaptability and high efficiency for R&D and pilot-scale processing.

## Technical specifications

|                     |                          |
|---------------------|--------------------------|
| Operating pressure  | 6.5-11Kg/cm <sup>2</sup> |
| Feed particle size  | 100-200 mesh             |
| Processing capacity | 0.05-0.5Kg/h             |

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



The graded jet mill has wide adaptability to ultra-fine grinding of various materials. It has good crushing properties for high hardness, brittle materials, coagulable and fibrous materials. Such as: zircon sand, zirconium oxide, silica, rutile titanium dioxide, alumina, talc, barium carbonate, barium sulfate, calcium carbonate, aluminum silicate, kaolin, carbon black, white carbon black, AC foaming agent, copy toner, paint, calcium hydrogen phosphate, bentonite, phosphor, graphite, various fillers for plastics and rubber, pesticides, pearl powder, pollen, etc. With the development of high and new

technologies, the scope of application will be wider.

## 经久耐用

耐腐蚀、耐磨，使用寿命长，  
不污染物料。



## 粉碎效率高

可进行两种以上混物料的粉碎



## 操作简单

结构紧凑、占地少，操作  
简单，装、拆、检修方便。



Laboratory classification jet mill is widely used in zircon sand, zirconia, silica, rutile titanium dioxide, alumina, talc, barium carbonate, barium sulfate, calcium carbonate, aluminum silicate, kaolin, Carbon black, white carbon black, AC Foaming agent, copy toner, paint, calcium hydrogen phosphate, Bentonite, fluorescent powder, graphite, various fillers for plastics and rubber, pesticides, pearl powder, pollen and other fields.



荧光粉



AC发泡剂



氧化锆



碳酸钙



锆英砂



炭黑



塑料



橡胶

## Technical parameters

Model: QLF-50

Design pressure: 6.5-7Kg/cm<sup>2</sup>

Operating pressure: 6.5-11Kg/cm<sup>2</sup>

Air volume: 0.6m<sup>3</sup>/min

Power consumption: 5.5Kw/h

Processing capacity: 0.05-0.5Kg/h

Feed particle size: generally 100-200 mesh (the material properties and user's requirements for fineness vary depending on the material properties)

Processing intensity: average particle size <5μ (depends on material hardness, feed particle size, crushing pressure, feed speed, etc.).

The current flowing components of this machine are corundum ceramics with high hardness and high wear resistance. Its unique advantages are:

1. Corrosion-resistant, wear-resistant, long service life, and does not pollute materials.
2. Strong ultra-fine crushing ability and low energy consumption.
3. Since the work project is carried out below room temperature, it is especially suitable for low

melting point and heat-sensitive materials.

4. It can crush two or more mixed materials.

5. Compact structure, small footprint, simple operation, and convenient assembly, disassembly and maintenance.

## Contact

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Before operation, review the selected model's instructions and the material requirements.