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# TENCAN

## Product Brochure



### OTHER GRINDING EQUIPMENT

## lab air jet mill

### QLF

Lab air jet mill for ultra-fine grinding of hard, brittle, cohesive, and fibrous materials. Wide adaptability and high efficiency.

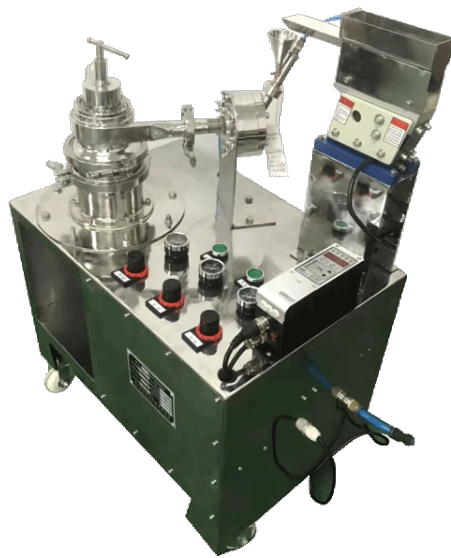
<https://www.labballmill.com/products/grinding-series/other-grinding-equipment/lab-air-jet-mill.html>

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## Product Overview

Lab air jet mill for ultra-fine grinding of hard, brittle, cohesive, and fibrous materials.  
Wide adaptability and high efficiency.





## Product Introduction

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.



## Durable and Long-Lasting

Corrosion-resistant and wear-resistant, with a long service life and no contamination of materials.



## High Grinding Efficiency

Capable of grinding mixtures of two or more materials.

## Easy Operation

Compact structure, small footprint, easy to operate, and convenient to assemble, disassemble, and maintain.



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.



Phosphor



AC Blowing Agent



Zirconia



Calcium Carbonate



Zircon Sand



Carbon Black



Plastic



Rubber

## 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 <math>\leq 5\mu</math> (depends on material hardness, feed particle size, crushing pressure, feed speed, etc.).

## Product Features

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.

## Accessories & Customization

### Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

### Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.