



Technical resources

Micro airflow pulverizer

Model: QL

<https://www.tencanballmills.com/en/products/grinding-series/other-grinding-equipment/micro-airflow-pulverizer.html>

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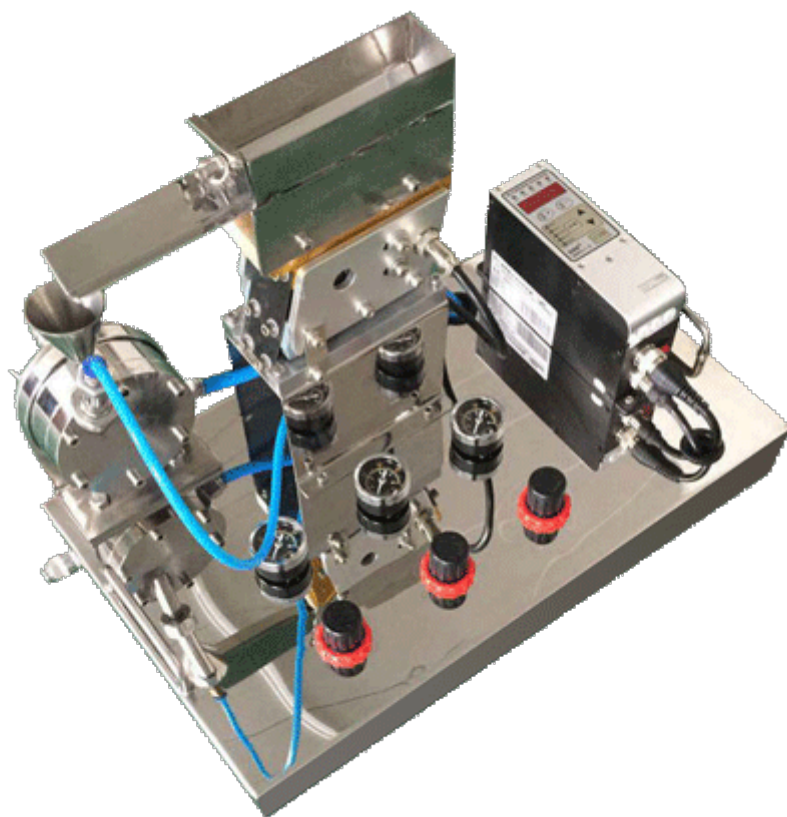
Model: QL

Compact benchtop airflow pulverizer for ultra-small batch ultrafine grinding of high-value powders. Ideal for laboratory R&D and small-scale precision milling.

Technical specifications

Processing capacity	0.5-200g/hr
Feed at 100 mesh	Output: 2-5 μm
Gas consumption	>0.4M ³ /min

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

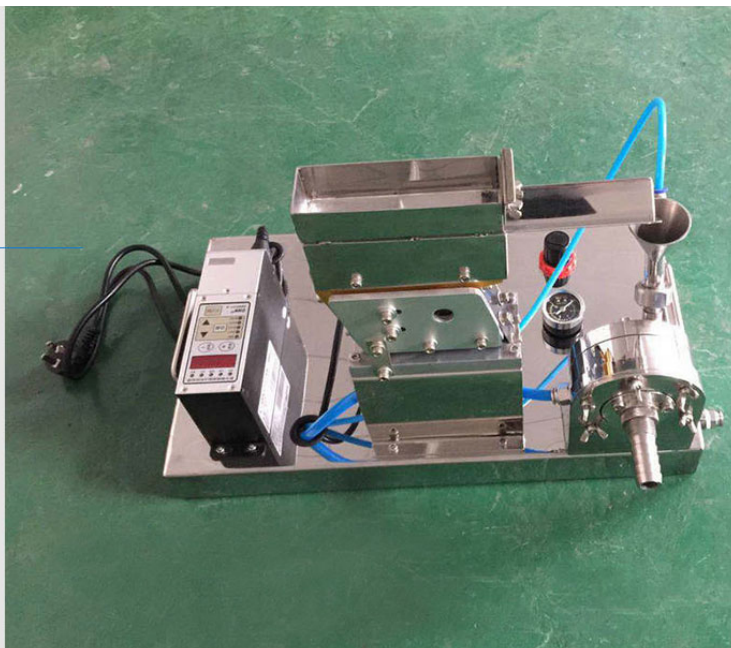


Micro jet pulverizer is an ultra-small machine that can be placed on the work surface. Suitable for ultra-fine grinding of ultra-small amounts of high-value powder in laboratories. This machine is characterized by a high recovery rate, and because it is blown with compressed air, the inside of the machine is clean. It is especially suitable for laboratories that frequently change powder types. It is used to crush high-hardness and brittle materials, such as: zircon sand, zirconium oxide, silica, alumina, calcium carbonate, carbon black, AC foaming agent, paint, fluorescent powder, various fillers for plastics and rubber, and pearl powder.



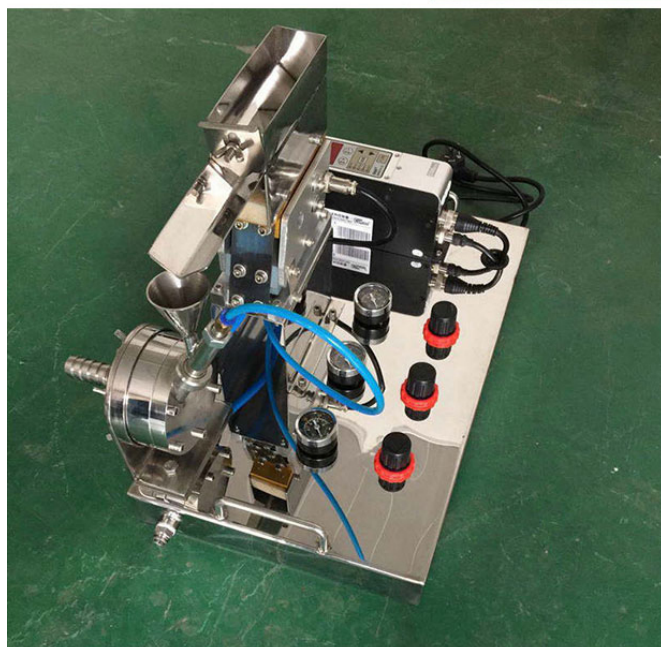
桌上小型机

是放在工作台面上即可以工作的超小型机，适用于实验室中作超小量的高价值粉体的超微粉碎用。



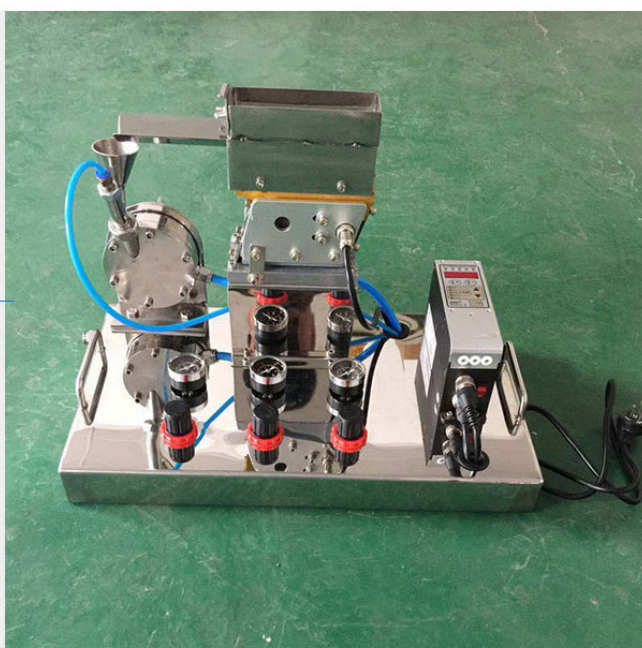
回收率高

本机特点是回收率高，并由用于用压缩空气一吹，机内就干净，特别适用于频繁更换粉体品种的实验室



应用广泛

用于粉碎高硬度、脆性物料，如：锆英砂、氧化锆、二氧化硅、氧化铝、碳酸钙、炭黑、AC 发泡剂、涂料、荧光粉、塑料和橡胶用各种填充剂及珍珠粉等。



Technical parameters

1. Processing capacity: 0.5-200g/hr
2. Feeding 100 mesh, discharging 2-5 micron
3. Gas consumption: $>0.4\text{M}^3/\text{min}$
4. Pressure: feeding nozzle 0.3~0.4MPa ; Crushing pressure 0.6~0.7MPa
5. Power required: 5.5KW/hr
6. Overall dimensions: 540X340X250(cm)

The characteristics of this machine are high recovery rate, and the inside of the machine is clean as soon as it is blown with compressed air. It is especially suitable for laboratories that frequently change powder types. It is used to crush high-hardness and brittle materials, such as: zircon sand, zirconium oxide, silica, alumina, calcium carbonate, carbon black, AC foaming agent, paint, fluorescent powder, various fillers and pearl powder for plastics and rubber, etc.



锆英砂



氧化锆



涂料



橡胶



塑料



荧光粉

The powder is added to the feeding nozzle by the electromagnetic vibrating feeder, and is sprayed into the crushing cavity by the feeding compressed air. The high-speed airflow ejected from the crushing nozzle forms a supersonic flow, causing collision and shearing in the flow and collision and friction with the wall of the crushing chamber to crush into fine powder. During the high-speed movement and crushing process of the logistics, particles of different fineness will produce different separation in the rotating air flow. Because the centrifugal force of the centripetal airflow is greater than the centrifugal force, the powder particles with qualified fineness are brought to the discharge pipe by the exhaust airflow, and the finished products are collected through the bag. The larger particles are thrown to the periphery because the centrifugal force is greater than the centrifugal force of the centripetal airflow, and the crushing process continues with the high-speed movement of the logistics.

Contact

Changsha Tianchuang Powder Technology Co., Ltd. / Changsha, Hunan, China

Email: lichang0516@gmail.com

Phone / WhatsApp: +86 731 84027560 / WhatsApp +86 19021571516

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