

jar rolling mill with dual layer eight station factory

Through its eight-station design, the eight-station jar rolling mill is able to grind multiple samples at the same time, which greatly improves the working efficiency and is widely used in laboratories as well as small batch production.

Eight Station Jar Rolling Mill

Eight station jar rolling mill is suitable for grinding many kinds of materials, such as electronic materials, ceramics, coatings, non-metallic minerals, etc. It has important application value in many industries.

Features

1. Frequency conversion speed control: the equipment has frequency conversion speed control function and supports stepless adjustment. Through the program control system, the grinding speed can be precisely controlled to meet the needs of different materials.
2. Adjustable roller spacing: the handwheel is used to adjust the roller spacing, which can effectively prevent the ball milling jars from running off during the working process and ensure the stability and uniformity of the grinding process.



3. Wear-resistant polyurethane lining: the roller lining is made of high wear-resistant polyurethane sleeve, which can improve the friction coefficient, effectively prevent the sliding and deformation of the tank, and increase the service life of the equipment.
4. Wide range of particle size: the feed size of the equipment is less than 3 millimeters, and the permissible particle size of soil materials can be up to 10 millimeters. The range of the discharge size is from 20 to 300 mesh, i.e. 65 microns to 75 microns.
5. Double-layer eight-station design: double-layer structure can save space, provide more grinding stations, improve productivity and flexibility.
6. Universal wheel design: The equipment is equipped with universal wheels and universal feet to ensure the horizontal stability of the equipment when running, and at the same time, it is convenient to move the equipment to improve the operation convenience.

Advantages

1. High efficiency and energy saving: through frequency conversion speed regulation and precise control, it is able to adjust the working parameters for different materials to realize efficient grinding.
2. Flexible operation: adjustable roller spacing and grinding speed, allowing users to personalize the adjustment according to the characteristics of the material.

3. High reliability: wear-resistant polyurethane sleeve and sturdy design ensure that the equipment can still maintain stable operation under high-intensity work, prolonging the service life of the equipment.
4. Space-saving: double-layer eight-station design optimizes the layout of the equipment, occupies a small space, suitable for a variety of laboratory and production environment.
5. Easy to move: the equipment is equipped with universal wheels, easy to move in the laboratory or production workshop.

Working Principle

Jar rolling mill utilizes the roller shaft to drive the ball milling jar to rotate, and the grinding balls in the ball milling jar collide and rub with the material, so as to make the material reach the required fineness. The materials and grinding balls interact with each other in constant friction and impact, and the materials are gradually crushed. The eight-station design of the equipment makes it possible to grind several samples at the same time, which improves the working efficiency. By adjusting the roller spacing and frequency conversion speed control system, users can realize precise grinding control to ensure that each batch of material to achieve good granularity and uniformity.

Application Areas

1. Electronic materials: suitable for grinding materials such as battery materials, conductive ceramics, electronic components and so on.

2. Ceramic industry: used for the fine processing of ceramic raw materials, high-precision grinding of ceramic products.
3. Paint and ink: used for fine grinding of pigments, coatings and inks to ensure that the paint has a uniform particle distribution.
4. Glass powder: the production process of glass products and glass powder requires fine grinding.
5. Fluorescent materials: widely used in the grinding and processing of photoelectric materials, phosphors and other products.
6. Non-metallic minerals: such as quartz powder, calcium carbonate, bentonite and other minerals grinding, the need for high fineness requirements of the material.
7. Explosives manufacturing: for the preparation of explosives, gunpowder and other flammable and explosive materials grinding, need to pay attention to safe operation.
8. Magnetic materials: for the production of high-precision magnetic materials for the grinding process.
9. Biological products: such as plant extracts, drugs and other biological products, fine grinding.
10. Food packaging: involving the grinding of food packaging materials, such as food coatings and additives processing.
11. Battery materials: lithium battery materials and other new energy fields of precision grinding.

Selection of Ball Milling Jars and Grinding Balls

1. Nylon ball milling jars: high hardness, wear-resistant, applicable to the grinding of a variety of materials.
2. Stainless steel ball mill jars: corrosion resistance, suitable for materials requiring corrosion-resistant grinding.
3. Aluminum oxide ball mill jars: high hardness, excellent grinding effect, suitable for high-precision grinding requirements.
4. Polyurethane ball mill jars: strong wear resistance and high purity, suitable for high quality grinding.

jar rolling mill with dual layer eight station factory

Model	HB8-3L	HB8-5L	HB8-10L	HB8-20L
Jar capacity	500ml to 3L	500ml to 5L	500ml to 10L	500ml to 20L
Roller diameterXLength	φ58x250x2	φ58x290x2	φ68x349x2	φ78x424x2
Power	1.1kw	2.2kw	3kw	4kw
Adjusted manual space	76 to 230mm	67 to 280mm	67 to 302mm	67 to 340mm
Jar diameter	φ70 to φ200mm	φ70 to φ260mm	φ60 to φ280mm	φ60 to φ320mm

jar rolling mill with dual layer eight station factory

Model	HB8-3L	HB8-5L	HB8-10L	HB8-20L
Layer	2	2	2	2
Stations	8	8	8	8
Transmission mode	synchronous belt			
Roller speed	5 to 720rpm	5 to 720rpm	5 to 720rpm	5 to 720rpm
Roller Nunmbers	6	6	6	8
Power supply	220Vac, 50Hz	380Vac, 50Hz	380Vac, 50Hz	380Vac, 50Hz
Dimensions	1000x720x940mm	1020x870x1010mm	1230x900x1120mm	1350x1130x1190mm