

Raymond Grinding Mill for the Powder Preparation of Activated Carbon



Activated carbon is a black and porous solid carbon. As to the component, it mainly consists of carbon, but still a little elements such as oxygen, hydrogen, sulfur, nitrogen, chlorine, etc. The specific surface area of ordinary activated carbon is between 500 and 1700 m² /g. Excellent in adsorption, it is an industrial adsorbent with a wide range of application. And Guilin Hongcheng can provide a variety of grinding mills for the powder preparation of activated carbon as well as can make a complete and high-quality powder-making solutions.

I . Types of activated carbon:

1. Wood activated carbon: **made of wood chips, charcoal, etc.**
2. Netshell activated carbon: **made of coconut shell, walnut shell, apricot shell, etc.**
3. Coal-based activated carbon: **made of lignite, peat, bituminous coal, anthracite, etc.**
4. Petroleum-based activated carbon: **pitch-based activated carbon made of pitch.**
5. Regenerated activated carbon: **made of used carbon that has been regenerated.**

II . The main usages:

1. Household activated carbon

Air purification:

Be placed in doors to effectively absorb harmful substances such as formaldehyde or xylene in the air (especially newly renovated houses).

Deodorization of furniture :

Be applied in the cabinet, drawer, and refrigerator of the newly bought furniture and be placed in the shoes to remove the smell.

Deodorization of cars:

Effectively remove harmful substances and the smell that is unpleasant and pungent in new cars.

2. The exhaustion and adsorption in the plant of sewage treatment ;
3. The treatment of beverage ;
4. The pre-treatment of power plant water ;
5. The pre-treatment of waste water;
6. The sewage treatment by biological method.

It is often necessary to grind activated carbon into powders in the field of application so as to make better use of it. And as we can see, presently, Guilin Hongcheng's HCQ-series grinding mill is widely used to grind activated carbon.

HCQ-series grinding mill is used to grind minerals in fields such as metallurgy, building materials, chemical industry, and mining. It is suitable for processing non-flammable and explosive minerals with Mohs hardness below 7 and moisture below 6% such as limestone, calcite, activated carbon, talc, dolomite, titanium dioxide, quartz, bauxite, marble, feldspar, barite, fluorite, gypsum, ilmenite, phosphate, clay, graphite, clay, kaolin , diabase, coal gangue, wollastonite, slaked lime, zircon sand, bentonite, manganese ore, etc. And the fineness of finished product can be freely adjusted between 0.18-0.038 mm (80-400 mesh).

HCQ-series grinding mill is a new machine innovated by Guilin Hongcheng's Research Center of Powder-making Equipment based on the R-series pendulum grinding mill. Components are configured scientifically and reasonably. Some of them are the main unit, classifiers, blowers, piping systems, feeders, etc. Such a configuration greatly improves the overall performance of the equipment, namely, smoother operation, easier maintenance, and higher productivity!

Using this type of device to grind activated carbon can win praise from a majority of enterprises due to dust-free workshop, automatic production on the whole, reduction of labor costs from customers and improvement of productivity.