Mustard Seeds Powder Crusher Machine BS-200/500

BS cryogenic grinder is one of our latest products, liquid nitrogen was used as the cryogen energy to achieve high-quality grinding of materials at low temperature. It can be used for grinding of medicines, food and plastics of the field of high value-added at low temperature.

It can use microcomputer control unit for volume and the amount of nitrogen. Microcomputer is to set automatic level control system as to customer's requirement, operators just need to set the expected value of fineness, then the intelligent control system will automatically adjust the temperature, the refrigerant valve size, the discharge rate, etc based on the argument point by the host current, chamber pressure machine and pipe flow.

Working method:

It first uses liquid nitrogen to reduce the temperature of the input material to a material embrittlement state, and then enters the grinding chamber. The input material is completely smashed by the high-speed rotation of the impeller, and the combined forces of the material and the blade are repeatedly impacted, collided, sheared, and frictional, Grooved discs, materials and materials. The pulverized materials are classified and collected by air sieve cone classifier. Materials or powders that have not reached the fineness of the materials are returned to the grinding chamber for regrind. Most of the cold air is returned to the grinding chamber for recycling.

Main features:

In the pulverizing system, the cold source forms a closed cycle system to make full use of energy and save energy. The temperature of grinding cold source can be reduced to 196 ℃. According to the brittle point temperature of the material, the temperature can be controlled and the best grinding temperature can be selected in the grinding process, so as to reduce the energy

consumption. The fineness of grinding can reach 10-700 mesh or even micron level. In addition, liquid nitrogen is used as the grinding medium to realize ultra-low temperature grinding, which can achieve the comprehensive effect of explosion-proof and anti-oxidation.

Technical data:

Model	BS-200	BS-500
Grind motor(kw)	7.5	45
Input material size(mm)	5-15	
Medium	Liquid nitrogen	
Temperature(℃)	-196	
Fineness(mesh)	10-700(depends on materials)	
Capacity(kg/h)	30-150(depends on materials)	100-1000(depends on materials)
Grinding chamberØ(mm)	180	500
Feed and discharge	By screw feeder	