



Shanghai Shibang Machinery Co.,Ltd.

Add: 877th, Dongfang Rd., Pudong New District, Shanghai, China;

International Dept.1: Tel: 0086-21-50589952 Fax:0086-21-50582655. E-mail: sbm@sbmchina.com shibangmachinery@yahoo.com

Raymond Grinder

Raymond grinder, manufactured by Shanghai Shibang Machinery Co., Ltd., is effective closed-circuit high fineness powder manufacturing equipment applied in small and medium mining, silicate and chemical, building-material, metallurgy, refractory material, pharmaceuticals and lime industry. It is a new style powder grinding machine, which is more advanced than ball grinder and much appreciated in many fields due to its domestic leading level in each technical specification.

This product adopts advanced structure of similar products from abroad, and is updated and designed based on large Raymond grinder. Under centrifugal force, grinding roller rolls closely on grinding ring, which shall not affect yield and fineness of ground powder in the case that grinding roller and ring are worn to a certain degree. Grinding roller and Grinding ring enjoy a long update cycle, which eliminates disadvantage of short update cycle for easily damaged parts on centrifugal crusher. In this grinder, pneumatic flow goes circularly through fan--grinding enclosure--cyclone separator—fan. Therefore, dust in this machine is less than that in high speed centrifugal grinder, and operation workshop is relatively clean without environmental contamination.



This **grinder** is applicable to high fineness powder manufacturing of over 300 nonflammable and non-explosive materials, with Mohs' scale of hardness no more than Grade 7, and humidity less than 6%, which are widely used in mining, silicate and chemical engineering and building Industry. For example, barite, calcite, feldspar, talc, marble, limestone, dolomite, fluorite, lime, active fluridin, activated carbon, bentonite, kaolin, cement, rock phosphate, gypsum, glass, manganese minerals, titanium minerals, copper minerals, chromium minerals, refractory materials, thermal insulating material, coal tar, coal powder, carbon black, pottery clay, bone powder, titanium dioxide, iron oxide, quartz, etc. Product size can be freely controlled within 80-325 mesh, and in particular, some can be 600 mesh.

During operation, add material into grinder from feed hopper inside the enclosure. Grinding roller unit on the star rack hung on the host machine shall do revolution around vertical axis and rotate. Under centrifugal force while rotating, grinding roller shall swing outward and shall be compressed onto grinding ring. At this moment, shovel tool shall shovel material into where grinding roller and grinding ring contacts. Rotation of grinding roller shall grind material. After grinding, the powder shall be delivered into analyzer for classifying by circulating air produced by a blower. Material that is too thick shall be re-ground; fine powder that is acceptable shall be flown into product cyclone powder collector and discharged from outlet. This is final product. Air current is circular and returned into blower through the pipe on top of the big cyclone collector. It flows under negative pressure. Increased air current shall be piped out through off-gas line into small cyclone collector for purification.