

## Straight Centrifugal Grinding mill

The Straight Centrifugal Grinding mill is the coarse grinding mill our company has designed. And based on the traditional grinding mill, the Straight Centrifugal Grinding mill have been developed to solve the requirements the final products should below the fineness of 3mm. And the Straight Centrifugal Grinding mill have been widely applied in the field of mining, building materials, high way, chemicals and the hydropower, etc. And the Straight Centrifugal Grinding mill can also be used to crush various non-flame and explosive materials with the Mohs hardness of below 9.5 degree, such as silicon carbide, zircon sand, quartz stone, granite, barite, marble, limestone, talc, gypsum stone, slag, ceramics, glass , etc. And the Straight Centrifugal Grinding mill has become an ideal mixture materials processing equipment to satisfy various requirements of the customers.



## **Working principle of Straight Centrifugal Grinding mill**

During the operation of Straight Centrifugal Grinding mill, the motor will drive the grinding roller to rotate by the triangle wheel and centrals axis .And by the bear and cross bear cradle, the grinding roller will rotate with the cradle and then roll around in the inner surface of the grinding ring. And when the block materials enter the feeding hopper, the materials will evenly fall down the space between the grinding ring and roller by the distributing plate and then be discharged by the outlet of the discharger after the grinding. And the dust catcher of the Straight Centrifugal Grinding mill can form the negative pressure in the outlet and inlet of the mill, which can realize no dust pollution and discharge the heat of the temperature.

## **Technical features of Straight Centrifugal Grinding mill**

1. High energy-saving: by changing the shape of the grinding roller and ring, we can improve the grinding efficiency and production. And compared with the Raymond mill, the energy-consumption of the wind blower has been greatly reduced .And with the unique structure, the Straight Centrifugal Grinding mill have avoided the energy consumption the shovel slide onto the inner structure of the grinding cavity.

2. High usage of the wearing parts and long service life

The Straight Centrifugal Grinding mill can be used to crush the materials with high hardness and processing, such as silicon carbide, corundum, Gao Ying sand, etc.

3. And the Straight Centrifugal Grinding mill can also be used to two processing ways like with or without the moisture.
4. the whole structure design of the Straight Centrifugal Grinding mill is reasonable and small covering area of just only 50% of the Raymond mill's occupation.

### **Straight centrifugal grinding mill technical data**

Type	Feed size(mm)	Product size(mm)	Capacity(t/h)	Power of Main motor(Kw)	Dimension(mm)
ZTM86	< 16	0-2.8	7-11	37	2600×2100×2400
ZTM125	< 25	0.044-5	15-55	90-110	Φ2300×5600
ZTM165	< 35	0.044-5	30-120	185-200	Φ3600×8200

## **Contact us**

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