

Ball Mill, ball mill in china

Ball mill is a kind of common equipment and mainly applied in the the field of Mineral processing, ceramics, chemicals, cement, glass, refractories. And **ball mill** can be divided into two kinds of varieties ,namely the dry and wet style .And the dry style is maily used in the fied of Refractories, cement, chemical fertilizer, glass;while the wet style is Mineral processing, ceramics, chemical industry. In recent years ,we company have developed the round bear transmitting with high-efficient and energy-saving, which can save by the energy by 25-30%. And it can also be divided into three kinds ,namely the cylinder ball mill, cone ball mill and tuba ball mil.

Main structures of ball mill

Ball mill's main structures are including the cylinder ,feeder ,discharge opening, hollow central axis, bear, transmitting equipment and the lubrication system.

Working Principle of ball mill

During the operation, ball mill can crush and mix the materials by the crushing effect of the falling grinding materials (such as the steel ball and pebble ,etc.) and the grinding effect between the grinder and the sidewall of the ball mill. And when the ball mill rotate ,the grinder will up first and fall second by the rotating direction as the result of the friction effect between the grinder and the sidewall. So the materials will be continuously crushed .

Structure Features of ball mill

- (1) It can be used to the grinder with or without moisture .
- (2) Better operation condition, and the crushing will proceed in the closed machine body with no dust.
- (3) Reliable function and cheap grinder are convenient for the change .
- (4) Both the interval operation and the continous operation are available .
- (5) The inert gases can be charged into the machine to replace the air when it crush the explosive materials .

Technical Parameter of ball mill

Model	Speed of bucket (r/min)	Weight of ball	Size of feed opening(mm)	size of outputting feed (mm)	Production (t/h)	Power (kw)	Weight (T)
Φ1830×3000	24	11	≤25	0.075-0.4	4-10	180	28
Φ1830×6400	24	23	≤25	0.075-0.4	6.5-15	210	34
Φ1830×7000	24	25	≤25	0.075-0.4	7.5-17	245	36
Φ2200×5500	21	30	≤25	0.075-0.4	10-22	370	48.5
Φ2200×6500	21	30	≤25	0.075-0.4	14-26	280	52.8
Φ2200×7500	21	33	≤25	0.075-0.4	16-29	475	56
Φ2400×3000	21.6	25.8	≤25	0.075-0.4	7.8-18	245	59.2

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