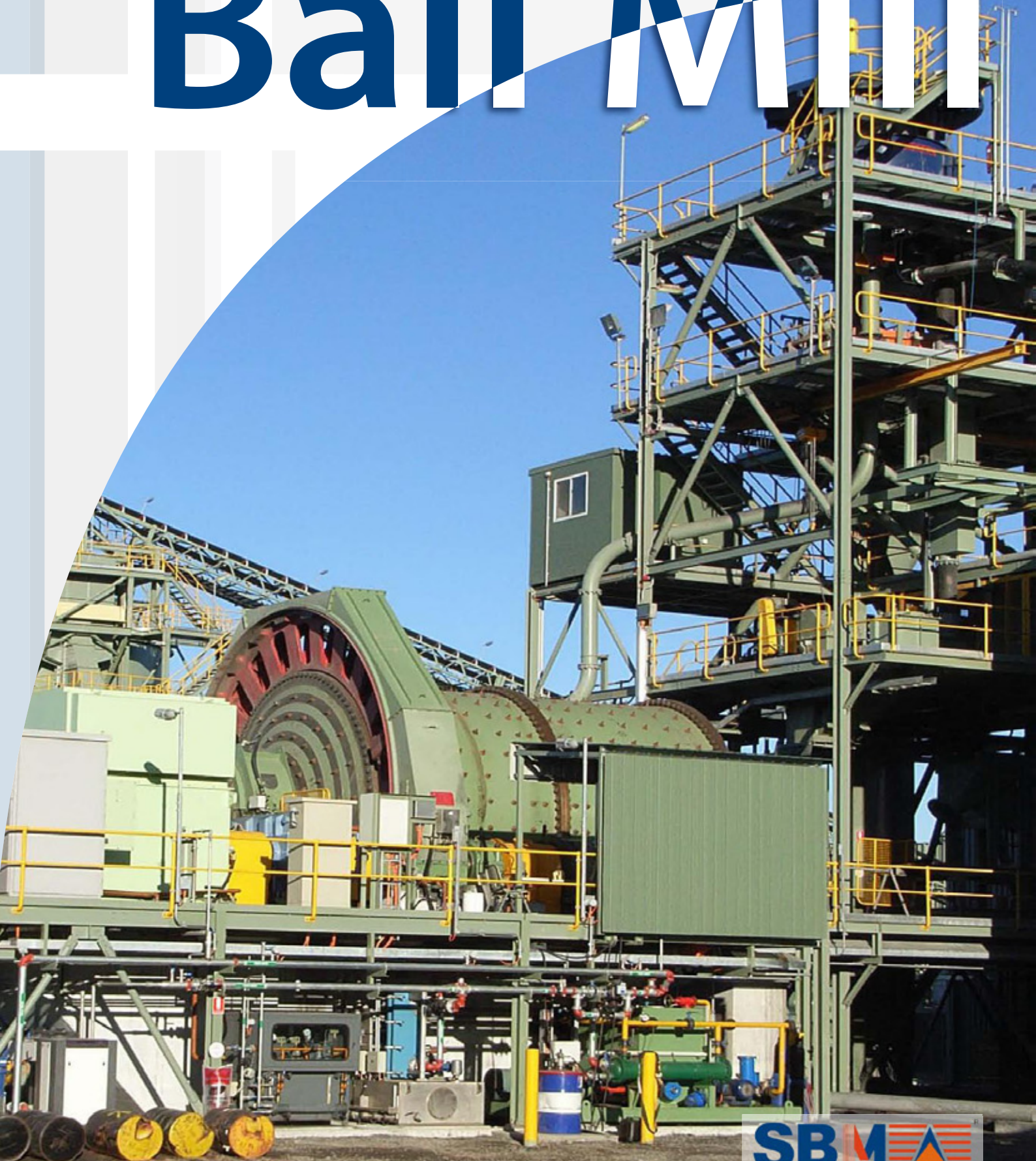


# Ball Mill



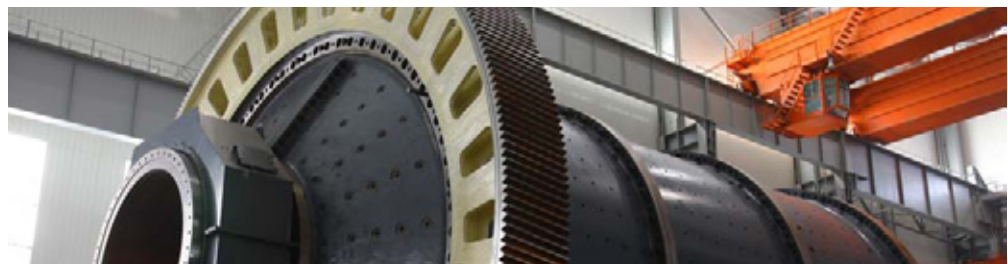


## Overview

Ball Mill is crucial equipment for grinding after materials are crushed. It is an efficient tool for grinding various materials into powder. There are two ways of grinding: the dry process and the wet process. It can be divided into tabular type and flowing type according to different forms of discharging material.

## Application

Ball Mills are widely applied in cement industry, chemical industry, new building materials, fire-resistant materials, fertilizer, porcelain and glass industry etc. It has two ways of grinding: dry process and wet process.



# Main Features & Benefits

Ball mill is an efficient machine for powder grinding. The Ball Mill is used to grind many kinds of mine and other materials, or to select the mine. It is widely used in building material, chemical industry, etc. There are two ways of grinding: the dry process and the wet process. It can be divided into tabular type and flowing type according to different forms of discharging material.

1. Easy and safe operation.
2. Stable performance.
3. Even product size.
4. Low energy consumption.
5. Low investment, high return.





## Operation & Maintenance

1. Before the ball mills start, check whether every part of ball mills normal, whether the connecting bolts loose, whether the lubrication of lubrication points normal, whether the driving device reliable, whether protective equipment intact, whether connection of motor carbon fine.

2. Check whether there is barrier surrounding the ball mills. Forbid persons standing near ball mills when it is starting.

3. Press start button to start the motor and notice the change of electric current. The ball mills' continuous starting don't surpass two times and the first starting and the second starting should separate for more than 5 minutes. If it must be thirdly started, it should be checked by electrician and fitter before it is started.

4. The ball mill don't start with other equipment at the same time avoiding the high current.

5. Feed water, feed ore and add steel ball to the ball mill must follow the operate routine. Overload and preoperation are both bad for the ball mill.

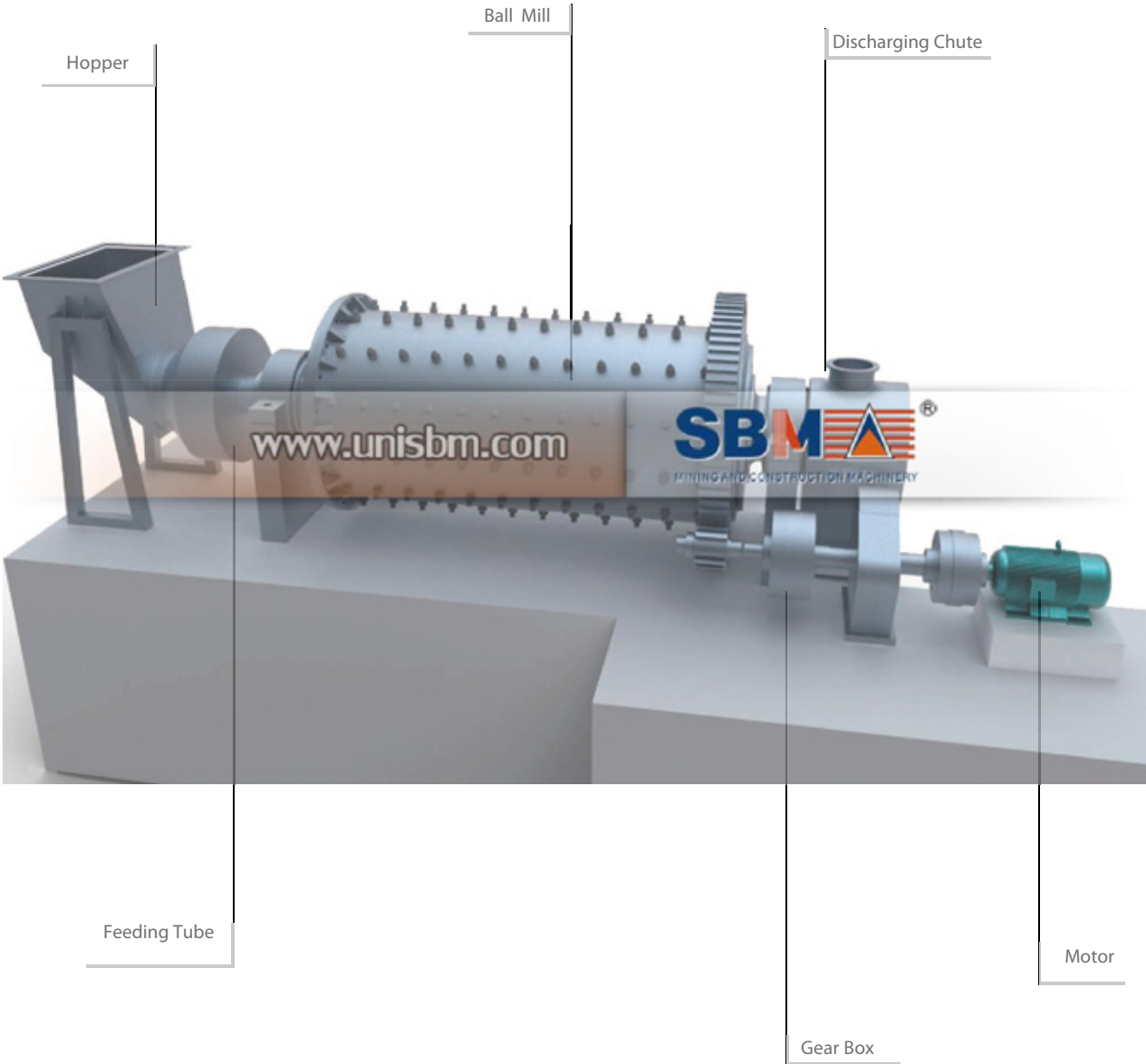
6. When the ball mill is running, it should be checked whether the barrel body leak, where the feeding water or ore is normal, where the electric current and voltage is normal. If there is some problem, it should be handled quickly.

7. When the ball mill is running, it should be checked whether the bearing or the oil ring is lubricated and whether the temperature of bearing is normal.



# Main Structure

The ball mill is a key equipment for regrinding. It is widely used for the cement, the silicate product, new type building material, fire-proof material, chemical fertilizer, black and non-ferrous metal, glass, ceramics and etc.



# Technical Data

Model	Speed of bucket (r/min)	Ball Load (t)	Size of feed opening (mm)	size of outputting feed (mm)	Production (t/h)	Power (kw)	Weight (t)
Φ900×1800	38	1.5	≤20	0.075-0.89	0.65-2	18.5	3.6
Φ900×3000	38	2.7	≤20	0.075-0.89	1.1-3.5	22	4.6
Φ1200×2400	32	3.8	≤25	0.075-0.6	1.5-4.8	45	12.5
Φ1200×3000	32	5	≤25	0.074-0.4	1.6-5	45	12.8
Φ1200×4500	32	7	≤25	0.074-0.4	1.6-5.8	55	13.8
Φ1500×3000	27	8	≤25	0.074-0.4	2-5	90	17
Φ1500×4500	27	14	≤25	0.074-0.4	3-6	110	21
Φ1500×5700	27	15	≤25	0.074-0.4	3.5-6	132	24.7
Φ1830×3000	24	11	≤25	0.074-0.4	4-10	180	28
Φ1830×6400	24	23	≤25	0.074-0.4	6.5-15	210	34
Φ1830×7000	24	25	≤25	0.074-0.4	7.5-17	245	36
Φ2200×5500	21	30	≤25	0.074-0.4	10-22	370	48.5
Φ2200×6500	21	30	≤25	0.074-0.4	14-26	380	52.8
Φ2200×7500	21	33	≤25	0.074-0.4	16-29	380	56
Φ2400×3000	21.6	25.8	≤25	0.075-0.4	7.8-18	245	59.2

Note: This specification is just reference, any changes are subject to the ball mill products.



## Working Principle

This ball mill is horizontal type and tubular running device, has two warehouses. This machine is grid type and its outside runs along gear. The material enters spirally and evenly the first warehouse of the milling machine along the input material hollow axis by input material device. In this warehouse , there is a ladder scaleboard or ripple scaleboard, and different specification steel balls are installed on the scaleboard, when the barrel body rotates and then produces centrifugal force ,at this time , the steel ball is carried to some height and falls to make the material grinding and striking. After grinded coarsely in the first warehouse, the material then enters into the second warehouse for regrinding with the steel ball and scaleboard. In the end, the powder is discharged by output material board and the end products are completed.



# Service

Since the establishment, Shanghai Shibang Machinery Co., Ltd has regarded "All is for clients" as its service goal and has provided high-quality, high-taste, high-efficient and all-around-way service for its clients.



Service Promise: from the design process to delivery, we do every step carefully to satisfy clients to the best.

## 1. Pre-sale services

Act as a good adviser and assistant of clients; enable them to get rich and generous returns on their investments.

- ◆ Select equipment model
- ◆ Design and manufacture products according to clients' special requirement
- ◆ Train technical personnel for clients

## 2. Services during the sale

Respect clients; devote ourselves to improving the total value of clients.

- ◆ Pre-check and accept products ahead of delivery
- ◆ Help clients to draft solving plans

## 3. After-sale services

Provide considerate services to minimize clients' worries.

- ◆ Assist clients to prepare for the first construction scheme
- ◆ Install and debug the equipment
- ◆ Train the first-line operators on site
- ◆ Examine the equipment regularly
- ◆ Provide maintenance for big items
- ◆ Provide technical exchanging
- ◆ Provide perfect service
- ◆ Distribute the guarantee fittings door-to-door
- ◆ Take initiative to eliminate the troubles rapidly at site





Ball Mill

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*Any change of technical data shall not be advised additionally.*