

BALL MILL

球磨机

PRODUCT INTRODUCTION

产品简介

球磨机是将破碎后的物料研磨成细粉的关键设备。它适用于粉磨各种矿石和其他物料，广泛应用于选矿、建材和化学工业。

球磨机按研磨方式可分为干式球磨机和湿式球磨机；按排矿方式可分为格子式球磨机和溢流式球磨机。

干式球磨机主要用于水泥厂加工石灰石、石英、长石、熟料、水泥、石膏、粉煤灰、钢渣等矿石。

Ball mill is a key equipment for grinding crushed materials into fine powder. It is suitable for grinding various ores and other materials and is widely used in mineral processing, building materials and chemical industries.

According to the grinding method, ball mills can be divided into dry and wet types; according to the discharge method, ball mills can be divided into grid type and overflow type.

Dry ball mills are mainly used in cement plants to process limestone, quartz, feldspar, clinker, cement, gypsum, fly ash, steel slag and other ores.

PRODUCT ADVANTAGE

产品优势

优势一 球磨机可用于研磨多种材料，例如磁性材料，无机非金属材料，有机化工材料等。

Ball mills can be used to grind a variety of materials, such as magnetic materials, inorganic non-metallic materials, organic chemical materials, etc.

优势二 持续生产，产能大。与其他磨粉机不同，球磨机具有相当大的产能，可以满足现代大规模工业生产的需要材料，例如磁性材料，无机非金属材料，有机化工材料等。

Continues production and big capacity. Different like other grinding mills, ball mill has quite large capacity and can meet the needs of modern large-scale industrial production.

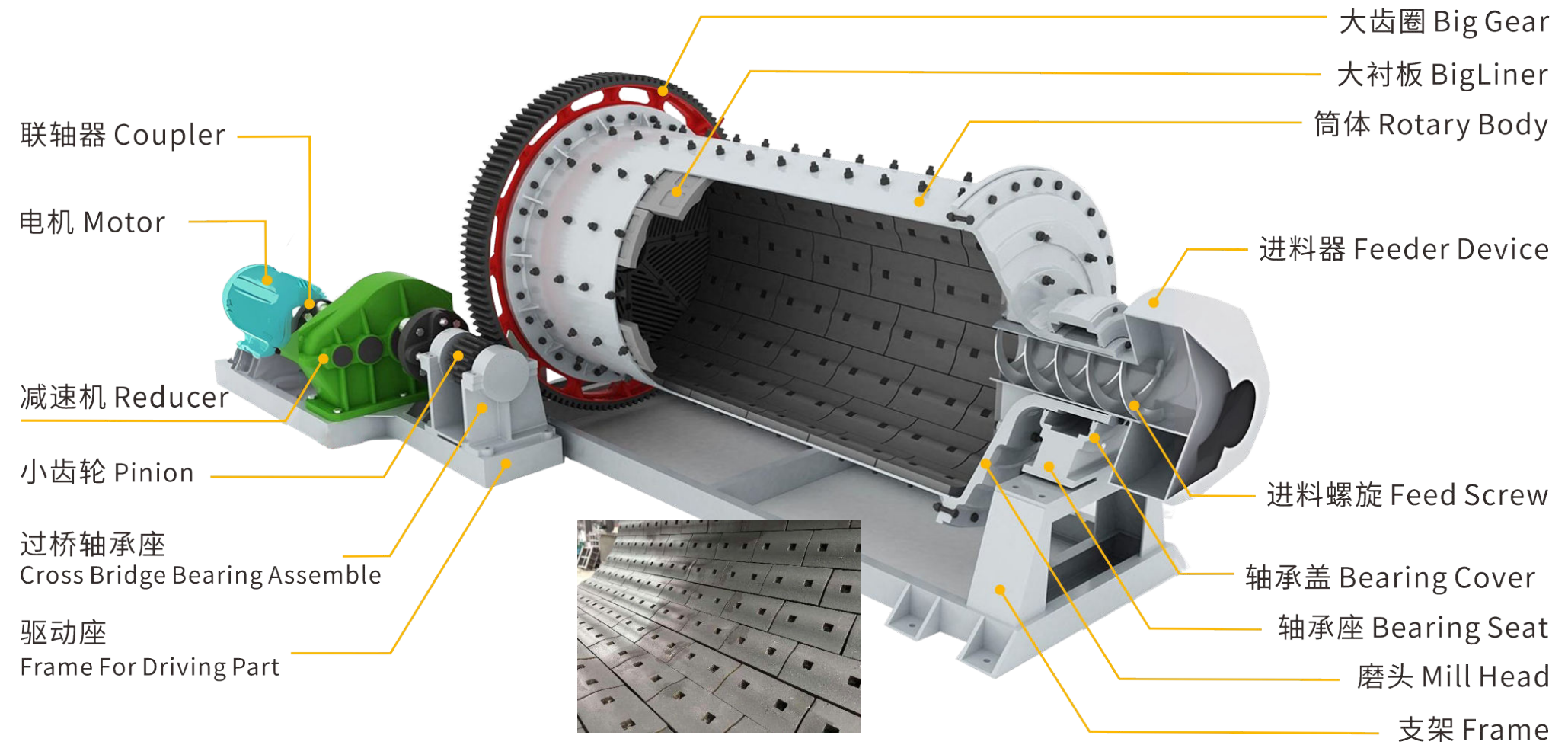
优势三 球磨机的破碎比可达300，最终粉料可达325目以上，且研磨细度可调节，以满足不同的生产需要。

The crushing ratio of ball mill can reach 300, the final powder can up to 325 mesh or above. And the grinding fineness can be adjusted to meet different production needs. It, which can play a large role in the limited space.

优势四 结构简单，使用方便，只需注意材料的添加和设备的日常维护即可。

Simple structure, easy to use, only need to pay attention to the addition of materials and daily maintenance of equipment.





WORKING PRINCIPLE

球磨机由给料部、出料部、回转部、研磨体、传动部(减速机、小传动齿轮、电机、电控)等部分组成。

中空轴采用铸钢件,内衬可拆装更换,回转大齿轮采用铸件滚齿加工,筒体镶嵌耐磨衬板,耐磨性好,机器运转平稳可靠。

The ball mill is composed of feeding part, discharging part, rotating part, grinding media, transmission part (reducer, small transmission gear, motor, electric control), etc. The hollow shaft is made of cast steel, the lining can be disassembled and replaced, the rotary gear is processed by casting hobbing, and the cylinder body is inlaid with wear-resistant lining plate, which has good wear resistance. The machine runs smoothly and reliably.



TECHNICAL PARAMETER

技术参数

规格型号 Model	筒体转速 (r/min) Cylinder Rotating Speed	装球量 (t) Loading Balls Weight	进料粒度 (mm) Feeding Size	出料粒度 (mm) Discharging Size	产量 (t/h) Capacity	电机功率 (kw) Power	总重量 (t) Total Weight
Φ900×1800	36-38	1.5	<20	0.075-0.89	0.65-2	18.5	5.85
Φ900×3000	36	2.7	<20	0.075-0.89	1.1-3.5	22	6.98
Φ1200×2400	36	3	<25	0.075-0.6	1.5-4.8	30	13.6
Φ1200×3000	36	3.5	<25	0.074-0.4	1.6-5	37	14.3
Φ1200×4500	32.4	5	<25	0.074-0.4	1.6-5.8	55	15.6
Φ1500×3000	29.7	7.5	<25	0.074-0.4	2-5	75	19.5
Φ1500×4500	27	11	<25	0.074-0.4	3-6	110	22
Φ1500×5700	28	12	<25	0.074-0.4	3.5-6	130	25.8
Φ1830×3000	25.4	11	<25	0.074-0.4	4-10	130	34.5
Φ1830×4500	25.4	15	<25	0.074-0.4	4.5-12	155	38
Φ1830×6400	24.1	21	<25	0.074-0.4	6.5-15	210	43
Φ1830×7000	24.1	23	<25	0.074-0.4	7.5-17	245	43.8
Φ2100×3000	23.7	15	<25	0.074-0.4	6.5-36	210	45
Φ2100×4500	23.7	24	<25	0.074-0.4	8-43	245	56
Φ2100×7000	23.7	26	<25	0.074-0.4	12-48	280	59.5
Φ2200×4500	21.5	27	<25	0.074-0.4	9-45	280	54.5
Φ2200×6500	21.7	35	<25	0.074-0.4	14-26	380	61

规格型号 Model	筒体转速 (r/min) Cylinder Rotating Speed	装球量 (t) Loading Balls Weight	进料粒度 (mm) Feeding Size	出料粒度 (mm) Discharging Size	产量 (t/h) Capacity	电机功率 (kw) Power	总重量 (t) Total Weight
Φ2200×7000	21.7	35	<25	0.074-0.4	15-28	380	62.5
Φ2200×7500	21.7	35	<25	0.074-0.4	15-30	380	64.8
Φ2400×3000	21	23	<25	0.074-0.4	7-50	245	58
Φ2400×4500	21	30	<25	0.074-0.4	8.5-60	320	72
Φ2700×4000	20.7	40	<25	0.074-0.4	22-80	380	95
Φ2700×4500	20.7	48	<25	0.074-0.4	26-90	480	102
Φ3200×4500	18	65	<25	0.074-0.4	95-110	630	149
Φ3600×4500	17	90	<25	0.074-0.4	115-170	850	169
Φ3600×6000	17	110	<25	0.074-0.4	120-200	1250	198
Φ3600×8500	18	131	<25	0.074-0.4	45.8-256	1800	260
Φ4000×5000	16.9	121	<25	0.074-0.4	45-208	1500	230
Φ4000×6000	16.9	146	<25	0.074-0.4	65-248	1600	242
Φ4000×6700	16.9	149	<25	0.074-0.4	75-252	1800	249
Φ4500×6400	15.6	172	<25	0.074-0.4	84-306	2000	280
Φ5030×6400	14.4	216	<25	0.074-0.4	98-386	2500	320
Φ5030×8300	14.4	266	<25	0.074-0.4	118-500	3300	403
Φ5500×8500	13.8	338	<25	0.074-0.4	148-615	4500	525

注：技术参数如有变动，恕不另行通知。

Note: Any changes of technical parameters, there is no further notice.



CUSTOMER WORKSITE

客户现场

专注矿山机械二十年，佰辰重工为上千家客户提供了专
业项目指导、设备生产、生产线建设及管理运营等产品服
务,与他们共同证明中国矿机品牌的力量。

Focusing on mining machinery for 20 years, Baichy
has provided professional project guidance,
equipment production, production line construction,
management and operation products and services
to thousands of customers, and jointly proved with
them the power of China's mining machinery brand.



出口超**150+**个国家
BAICHY exports to more than 150 countries



- | | | |
|-------------------------------|--|-----------------------|
| Mobile Crusher Plant | Hammer Crusher | Single Cylinder Dryer |
| Jaw Crusher | Dewatering Screen | Flotation Machine |
| C Series Jaw Crusher | Linear Vibrating Screen | Spiral Classifier |
| PEX Fine Jaw Crusher | Wheel Sand Washing Machine | Gold Concentrator |
| Impact Crusher | Screw Sand Washer | Magnetic Separator |
| CI Series Impact Crusher | Sand Recycling Machine | Agitator |
| Symons Cone Crusher | Raymond Mill | Wet Pan Mill |
| Spring Cone Crusher | YGM High Pressure Grinding Mill | Shaking Table |
| Hydraulic Cone Crusher | MTW Trapezium Grinding Mill | Spiral Chute |
| CH Cone Crusher | Vertical Roller Mill | |
| Heavy Hammer Crusher | HGM Micro-powder Grinding Mill | |
| Small Jaw Crusher | Ball Mill | |
| Vibrating Feeder | Cement Ball Mill | |
| Belt Conveyor | Ceramic Ball mill | |
| YK Vibrating Screen | Three-cylinder Dryer | |
| Trommel Screen | Single Cylinder Dryer | |
| Vertical Shaft Impact Crusher | DMC Pulse Dust Collector | |
| High-efficiency Fine Crusher | Powder Classifier | |
| Double Roller Crusher | Bucket Elevator | |
| Two-stage Crusher | Vibrating Feeder | |
| Vertical Compound Crusher | Screw Conveyor | |
| Reversible Hammer Crusher | Three-cylinder Dryer | |