

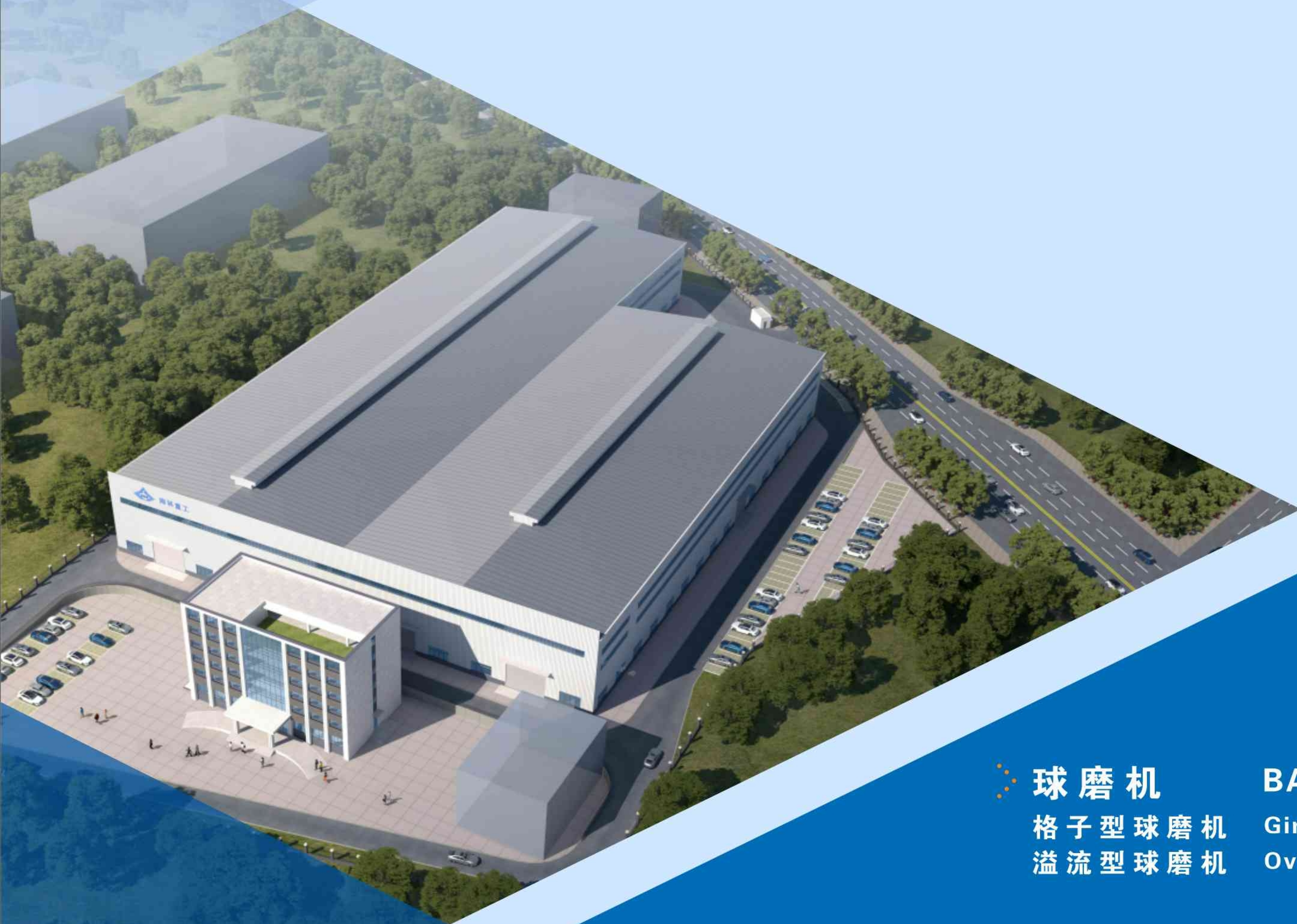


南科重工
NANKE HEAVY INDUSTRY

南匠精铸 科创智造

Forging Excellence with Craftsmanship Technology and Intelligence Driving Innovation

智慧矿业全产业链定制化服务EPC+M+O一站式运营商
Full-Industry-Chain Customized EPC+M+O One-Stop Operator for Smart Mining



球磨机	BALL MILL
格子型球磨机	Gird Ball Mill
溢流型球磨机	Overflow Ball Mill

广西南科重工机械有限公司
GUANGXI NANKE HEAVY INDUSTRY MACHINERY CO., LTD.

球磨机

Ball Mill



▶ 产品简介 PRODUCT INTRODUCTION

磨机是粉磨流程中的重要设备，主要作用是对物料进行粉磨，以获得工艺要求的粒度产品。广泛应用于电力、黑色(有色)金属和非金属选矿、化工、建材等行业。

按装入磨矿介质的不同，可分为球磨机(Ball Mi1)、棒磨机(Rod Mil)和不装介质的自磨机(AG Mi)。

按排料方式分为:湿式格子型、干式格子型和溢流型。

按传动形式分为:边缘传动和中心传动，前者使用较多。

按驱动形式分为:

- ▶ a.异步电机驱动:异步电机+减速机+小齿轮+大齿轮。
- ▶ b.同步电机驱动:同步电机+空气离合器+小齿轮+大齿轮。
- ▶ c.异步电机+减速机+膜片联轴器。

磨机主轴承根据需要可采用滑动轴承、滚动轴承及滑履轴承等。

磨机衬板可采用耐磨金属衬板、橡胶衬板、磁性衬板以及氧化铝衬板(即高铝衬砖)。

根据需要可配慢速驱动装置、高低压润滑站、传动齿轮自动喷射润滑装置、顶起装置和PLC控制系统等



The mill is an important equipment in the grinding process, mainly used for grinding materials to obtain the particle size products required by the process. It is widely used in industries such as power, black (non-ferrous) metals and non-metallic mineral processing, chemical industry, building materials, etc.

According to the different grinding media loaded, it can be divided into ball mill (Ball Mi1), rod mill (Rod Mi) and self-mill without loading media (AG Mi). According to the discharge method, it can be classified as: wet type, dry type and overflow type. According to the transmission form, it can be divided into edge transmission and center transmission. The former is more commonly used. According to the driving form, it can be divided into:

- ▶ a. Asynchronous motor drive: asynchronous motor + reducer + small gear + large gear.
- ▶ b. Synchronous motor drive: synchronous motor + air clutch + small gear + large gear.
- ▶ c. Asynchronous motor + reducer + diaphragm coupling.

The main bearings of the mill can adopt sliding bearings, rolling bearings and sliding shoe bearings, etc.

The mill liner can adopt wear-resistant metal liner, rubber liner, magnetic liner and aluminum oxide liner (i.e., high-aluminum lining brick).

According to the needs, a slow drive device, high and low pressure lubrication station, automatic lubrication device for transmission gears, lifting device and PLC control system can be equipped.

溢流型球磨机技术参数

Technical Parameters of Overflow Ball Mill

型号 Model	筒体Cylinder		有效容积 Effective Volume (m³)	装球量 Ball Charge (t)	转速 Speed (r/min)	产量 Capacity (t/h)	出料粒度 Discharging size (mm)	主电动机 Main Motor (KW)
	直径 Diameter (mm)	长度 Length (mm)						
MQY-1530	1500	3000	4.5	8	30	6.3~2.8	0.3~0.074	90
MQY-1545	1500	4500	6.7	12	30	9~3.8	0.3~0.074	132
MQY-1830	1830	3000	6.7	12	26.6	12.5~4.5	0.3~0.074	130
MQY-1845	1830	4500	10.5	19	26.8	15.5~6	0.3~0.074	180
MQY-2130	2100	3000	9.2	16	23.8	18~5.8	0.3~0.074	210
MQY-2136	2100	3600	11	20	23.8	22~6.8	0.3~0.074	210
MQY-2145	2100	4500	13.8	25	23.8	25~8	0.3~0.074	280
MQY-2230	2200	3000	10	18.5	21.3	23~6.9	0.3~0.074	210
MQY-2245	2200	4500	15.2	28	21.3	26.8~8.5	0.3~0.074	280
MQY-2430	2400	3000	12	22	21.3	26~7	0.3~0.074	245
MQY-2436	2400	3600	14	26	21.3	33.5~8.8	0.3~0.074	280
MQY-2445	2400	4500	17.8	30	21.6	42~11	0.3~0.074	320
MQY-2460	2400	6000	24	44	21.7	56~14.5	0.3~0.074	480
MQY-2736	2700	3600	18	33	20.7	54 ~ 11.7	0.3~0.074	400
MQY-2740	2700	4000	20.6	38	20.7	60~13	0.3~0.074	400
MQY-2745	2700	4500	23.2	43	20.7	67.5~14.5	0.3~0.074	480
MQY-2750	2700	5000	25.8	48	20.6	75~16	0.3~0.074	500
MQY-2760	2700	6000	31	57	20.6	90~19.5	0.3~0.074	630
MQY-3040	3000	4000	25.7	47	19	78~16.5	0.3~0.074	500
MQY-3064	3000	6400	40.2	74	19	125~26	0.3~0.074	800
MQY-3245	3200	4500	32	59	18.2	95~21.6	0.3~0.074	630
MQY-3254	3200	5400	38	73	18.2	114~25.9	0.3~0.074	800
MQY-3270	3200	7000	50.6	93	18.2	148~30.2	0.3~0.074	1250
MQY-3645	3600	4500	40.8	75	18	136~24.3	0.3~0.074	1000
MQY-3650	3600	5000	46	86	18	151 -28.1	0.3~0.074	1250
MQY-3660	3600	6000	54	102	18	181-32.4	0.3~0.074	1250
MQY-3685	3600	8500	79	131	18	256~45.8	0.3~0.074	1800
MQY-4060	4000	6000	70	126	16.9	226~ 40.5	0.3~0.074	1500
MQY-4067	4000	6700	78	136	16.9	252~45	0.3~0.074	1600
MQY-4361	4270	6100	80	144	15.7	258~46	0.3~0.074	1850
MQY-4564	4500	6400	95	172	15.6	306~54	0.3~0.074	2000

注：技术参数如有变动，恕不另行通知。 Note： Any change of technical data shall not be advised additionally.

格子型球磨机技术参数

Technical Parameters of Grid Ball Mill

型号 Model	筒体Cylinder		有效容积 Effective Volume (m³)	装球量 Ball Charge (t)	转速 Speed (r/min)	产量 Capacity (t/h)	出料粒度 Discharging size (mm)	主电动机 Main Motor (KW)
	直径 Diameter (mm)	长度 Length (mm)						
MQG-1530	1500	3000	4.5	9	30	7~3.1	0.3~0.074	110
MQG-1545	1500	4500	6.7	14	29.6	10~42	0.3~0.074	155
MQG-1830	1830	3000	6.7	14	26.6	14~4.95	0.3~0.074	155
MQG-1845	1830	4500	10.5	20	26.8	17~6.6	0.3~0.074	210
MQG-2130	2100	3000	8.8	18	23.8	20~6.4	0.3~0.074	210
MQG-2136	2100	3600	11	22.5	23.8	24.5~7.5	0.3~0.074	245
MQG-2145	2100	4500	13.8	28	23.8	27.5~8.8	0.3~0.074	280
MQG-2230	2200	3000	10	20	21.3	25.5~7.6	0.3~0.074	210
MQG-2245	2200	4500	15.2	30.5	21.4	29.5~9.4	0.3~0.074	320
MQG-2430	2400	3000	12	25	21.3	28.6~7.7	0.3~0.074	280
MQG-2436	2400	3600	14	29	21.4	37~9.7	0.3~0.074	320
MQG-2445	2400	4500	17.8	37	21.4	46.5~12	0.3~0.074	380
MQG-2470	2400	7000	28	45	21.5	72~18.6	0.3~0.074	480
MQG-2736	2700	3600	18	38	20.7	60~12.8	0.3~0.074	400
MQG-2740	2700	4000	20.6	43	20.7	66~14.5	0.3~0.074	450
MQG-2745	2700	4500	23.2	48	20.7	75~16	0.3~0.074	480
MQG-2750	2700	5000	25.8	54	20.6	83~17.6	0.3~0.074	560-630
MQG-2760	2700	6000	31	65	20.6	99~21.5	0.3~0.074	630-710
MQG-3040	3000	4000	25.7	54	19	86~18	0.3~0.074	560-630
MQG-3064	3000	6400	40.2	84	19	138~28.5	0.3~0.074	1000
MQG-3230	3200	3000	21.8	46	18.2	78~15.5	0.3~0.074	500
MQG-3236	3200	3600	26.2	56	18.2	94~18.6	0.3~0.074	630
MQG-3245	3200	4500	32	65	18.2	105~23.8	0.3~0.074	800
MQG-3254	3200	5400	38	80	18.2	125~28.5	0.3~0.074	1000
MQG-3640	3600	4000	36	75	18	135~25	0.3~0.074	1000
MQG-3645	3600	4500	40.8	88	18	150~29	0.3~0.074	1250
MQG-3650	3600	5000	46	96	18	166~35	0.3~0.074	1400
MQG-3660	3600	6000	54	117	18	199~38	0.3~0.074	1400-1600
MQG-4050	4000	5000	58	121	16.9	208~45	0.3~0.074	1500
MQG-4060	4000	6000	70	146	16.9	248~65	0.3~0.074	1800
MQG-4560	4500	6000	87	182	15.6	308~80	0.3~0.074	2300

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联系我们

Contact Us

📍 **中国地址: 柳州市柳江区新兴小城镇产业园区柳石路365号**

Add: No. 365, Liushi Road, New town Industrial Park, Liujiang District, Liuzhou City

☎ **销售热线: +8619377206789**

Hotline: +8619377206789

海外销售热线 Overseas Hotline

📞 Nigerian Hotline: +2348116677777

📍 Nigerian Add: Benin - Sagamu Expressway Beside Celpas Pastic, Ogun State

📞 South Africa Hotline: +27840786191

📍 South African add: Benin - 513 Bedford Spencer, Bedford Views, Johannesburg, South Africa

✉ E-mail: gxnkzg@163.com

🌐 www.gxnkzg.com



微信小程序



抖音号



微信公众号



快手号