



Technical resources

small ball mill with a ceramic jar

Model: QM

<https://www.tencanballmills.com/en/products/grinding-series/drum-ball-mill/small-ball-mill-with-a-ceramic-jar.html>

09.10.2026 / TENCAN

small ball mill with a ceramic jar

Model: QM

Small ball mill with a ceramic jar for intermittent batch grinding. Ideal for pilot-scale testing of ores, chemicals, ceramics. Energy-saving, wear-resistant, compact design for labs and small-scale production.

Technical specifications

Technical specifications

Volume	30~2000L
Loading capacity	10.5~700kg
Output particle size	≥300μm

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



Ceramic ball mill is a ball mill whose lining plate is made of ceramic. Capacity is generally suitable for intermittent small batch production of product trials. It is a new type of energy-saving ball milling equipment developed by domestic mineral processing machinery experts combined with new domestic ball milling technology.



Ceramic ball mill is a ball mill whose lining plate is made of ceramic. Capacity is generally suitable

for intermittent small batch production of product trials. It is a new type of energy-saving ball milling equipment developed by domestic mineral processing machinery experts combined with new domestic ball milling technology.

Technical parameters

Grinding Series-Roller Ball Mill/Parameter Introduction

name	Volume (L)	Speed rpm	Loading capacity (L)	Motor power (kw)	Grinding barrel material	Feed particle size (mm)	Discharge particle size (mesh)	speed regulation
QM-30L	30	20~60	10.5	0.75		≤5	≥300	Frequency conversion debugging or Fixed speed
QM-50L	50	20~50	17.5	1.5				
QM-100L	100	20~45	35	2.2				
QM-200L	200	20~40	70	4				
QM-300L	300	20~38	105	5.5		≤10		
QM-500L	500	20~36	175	7.5				
QM-1000L	1000	20~34	350	11				
QM-2000L	2000	20~34	700	22		≤20		

Remark: 25-50L is single-phase 220V, and above 50L is three-phase 380V

1. Model description: QM-(Volume)-(A speed regulating type, B ordinary type) For example: QM-50-A is a 50L speed regulating roller ball mill;
2. Determine the machine model based on the grinding volume;
3. Select ball mill tanks (or different ball mill tank linings) and grinding balls of different materials according to the material properties.;
4. You can choose equipment with automatic unloading device and dust cover. Material and balls can be separated automatically, making discharging convenient □
5. The machine operates smoothly, is highly efficient and energy-saving, and has low noise. ;
6. It can be used for dry or wet grinding, and can handle materials of various hardnesses. It can be used for coarse or fine grinding or mixing of materials. ;
7. Using a protective jacket, the material has high purity and low pollution ;
8. Anti-wear, high grinding efficiency ;
9. Alumina corundum ceramic, zirconia ceramic and other linings can be used, and the model can be selected from 25-2000L according to the user's output.

1. The machine operates smoothly, is highly efficient and energy-saving, and has low noise.;
2. It can be used for dry or wet grinding, can handle materials of various hardness, and can be used for coarse or fine grinding or mixing of materials.;
3. With automatic unloading machine, materials and balls can be separated automatically, making

discharging convenient;

4. Using a protective jacket, the material has high purity and low pollution;

5. Anti-wear, high grinding efficiency;

6. Alumina corundum ceramics, zirconia ceramics and other linings can be used. The model can be selected from 25-2000L according to the user's output.

Contact

Changsha Tianchuang Powder Technology Co., Ltd. / Changsha, Hunan, China

Email: lichang0516@gmail.com

Phone / WhatsApp: +86 731 84027560 / WhatsApp +86 19021571516

<https://www.tencanballmills.com/en/products/grinding-series/drum-ball-mill/small-ball-mill-with-a-ceramic-jar.html>

Before operation, review the selected model's instructions and the material requirements.