

Professional
Powder Equipment
Manufacturer



Powder
Equipment



Milling
Technology



Powder
Materials

TENCAN

Product Brochure



DRUM BALL MILL SERIES

small ball mill with a ceramic jar

QM

Ceramic ball mill for small-scale batch production and trials. Energy-saving, ceramic lining for high purity, ideal for R&D and pilot runs.

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

Generated at 2026-07-28 14:41:24

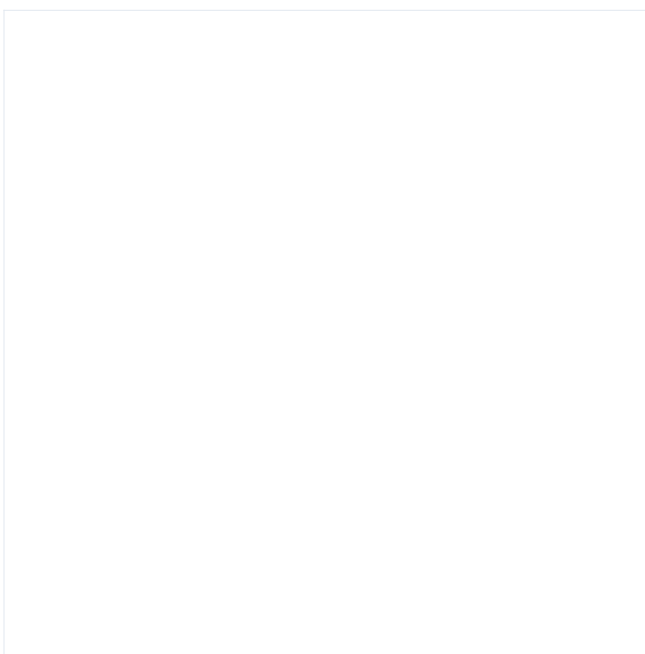


TENCAN

Product Overview

Ceramic ball mill for small-scale batch production and trials. Energy-saving, ceramic lining for high purity, ideal for R&D and pilot runs.





Product Introduction

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.



With Automatic Discharge Cover

With automatic discharge function; material and grinding balls can be separated automatically.

Control Panel

Simple and convenient control panel, flexible to operate.



Grinding Drum

Optional linings include alumina corundum ceramic, zirconia ceramic, and other materials.

Collection Cover

Uses a protective outer cover for high material purity and low contamination.



Grinding Series

Drum Ball Mill / Grinding Results



Before Grinding



After Grinding



Before Grinding



After Grinding

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 (kg)	Motor power (kw)	Grinding barrel material	Feed particle size (mm)	Discharge particle size (μm)	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		≤10		
QM-100L	100	20~45	35	2.2				
QM-200L	200	20~40	70	4				
QM-300L	300	20~38	105	5.5				
QM-500L	500	20~36	175	7.5				
QM-1000L	1000	20~34	350	11		≤20		
QM-2000L	2000	20~34	700	22				

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.

Product Features

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.

Accessories & Customization

Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.