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TENCAN

Product Brochure



PLANETARY BALL MILL SERIES

Vertical production planetary ball mill

XQM

Vertical production planetary ball mill for large-scale batch grinding, scaled up from laboratory planetary ball mill principles for efficient industrial production.

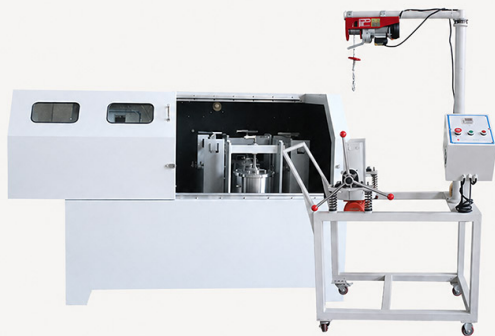
<https://www.labballmill.com/products/grinding-series/planetary-ball-mill/vertical-production-planetary-ball-mill.html>

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Product Overview

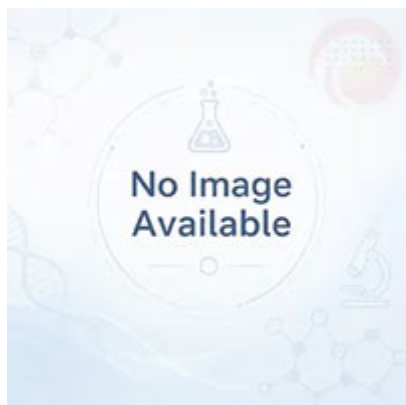
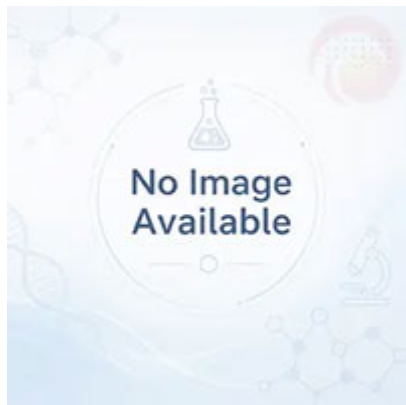
Vertical production planetary ball mill for large-scale batch grinding, scaled up from laboratory planetary ball mill principles for efficient industrial production.

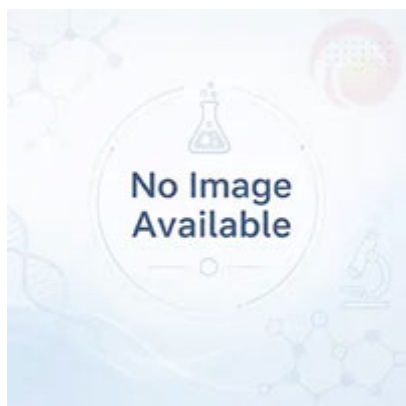
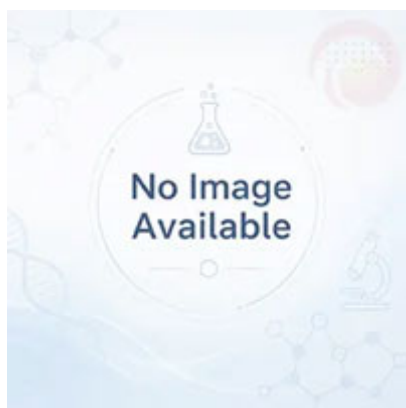
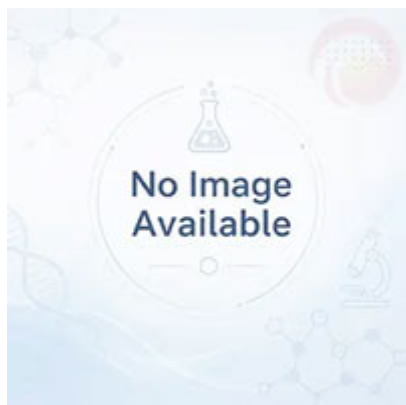




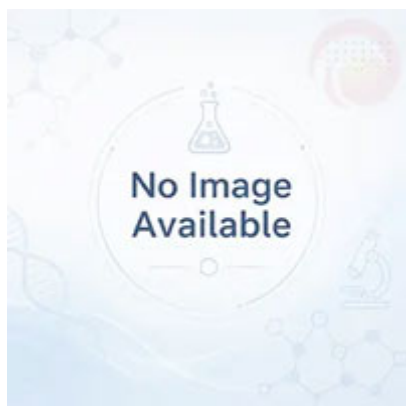
Product Introduction

The vertical production-type planetary ball mill is a large-scale planetary ball mill designed and manufactured based on the principle of a small-scale planetary ball mill. The production-type planetary ball mill is mainly suitable for batch grinding production by users.



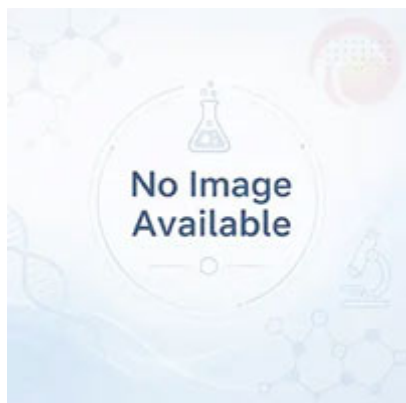


The company has also launched a microcomputer touch screen PLC all-in-one machine, and customers can choose a control panel according to their own needs.



Vertical production planetary ball mills are widely used in geology, minerals, metallurgy,

electronics, building materials, ceramics, chemical industry, light industry, medicine, environmental protection and other departments. They are suitable for electronic ceramics, structural ceramics, magnetic materials, lithium cobalt oxide, lithium manganate, catalysts, phosphors, long afterglow luminescent powder, rare earth polishing powder, electronic glass powder, fuel cells, oxidation Production field of zinc varistors, piezoelectric ceramics, nanomaterials, wafer ceramic capacitors, MLCC, thermistors (PTC, NTC), ZnO varistors, dielectric ceramics, alumina ceramics, zirconia ceramics, phosphors, zinc oxide powder, cobalt oxide powder, Ni-Zn ferrite, Mn-Zn ferrite and other products.



Technical parameters

Basic configuration parameter table

model	Specification	Specification classification	Can be equipped with ball mill tank specifications	quantity	Available vacuum tank specifications	Equipment weight (kg)	Equipment volume (mm)
XQM-20	20L	Production model	2-5L	4	Can be equipped with 2-4L vacuum ball mill tank	392kg	1200×790×930
XQM-40	40L	Production model	5-10L	4	Can be equipped with 5L vacuum ball mill tank	656kg	1400×880×1070
XQM-60	60L	Production model	10-15L	4	Can be equipped with 10L vacuum ball mill tank	950kg	1600×1070×1250
XQM-80	80L	Production model	15-20L	4	Can be equipped with 15L vacuum ball mill tank	1300kg	1750×1140×1330
XQM-100	100L	Production model	20-25L	4	Can be equipped with 20L vacuum ball mill tank	1300kg	1800×1150×1140
XQM-200	200L	Production model	50L	4	Can be equipped with 25L vacuum ball mill tank	2725kg	2670×1600×2804

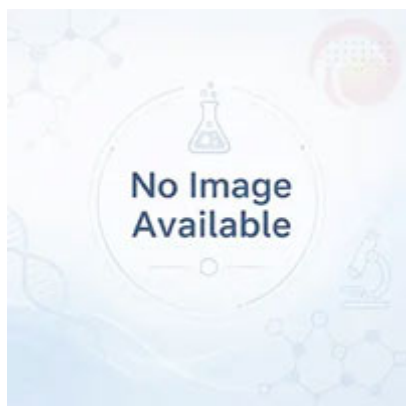
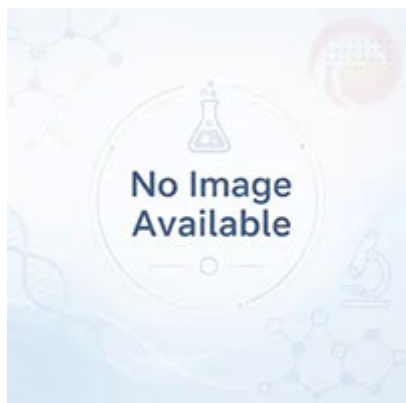
Performance parameter table

model	Device power supply	Power connector	Motor power (kW)	Speed regulation method	Run settings Total time(min)	Alternate positive and negative Running time(min)	Planetary disk speed (rpm)	Grinding tank speed (rpm)	Speed ratio	noise (dB)
XQM-20	380V 50Hz	Three phases	4kW	touch screen	1-9999	1-999	0-215	0-430	1:2	65±5
XQM-40	380V 50Hz	Three phases	5.5kW	touch screen	1-9999	1-999	0-195	0-390	1:2	68±5
XQM-60	380V 50Hz	Three phases	7.5kW	touch screen	1-9999	1-999	0-174	0-260	1:1.5	68±5
XQM-80	380V 50Hz	Three phases	11kW	touch screen	1-9999	1-999	0-151	0-242	1:1.5	68±5
XQM-100	380V 50Hz	Three phases	11kW	touch screen	1-9999	1-999	0-151	0-242	1:1.5	68±5
XQM-200	380V 50Hz	Three phases	22kW	touch screen	1-9999	1-999	0-143	0-215	1:1.5	68±5

Product Features

The equipment shell adopts the welding and forming process of thickened steel plate, which has high strength, impact resistance and deformation resistance, fine workmanship, strong and beautiful appearance.; The materials of the machined parts undergo strict heat treatment procedures and adopt CNC machining technology. The gear box adopts a quasi-sealed groove embedded structure, and the transmission gear adopts wear-resistant precision gears. The design of the frame and structural parts fully considers resonance factors to ensure stable, safe and reliable operation of the equipment under long-term high load conditions, and effectively achieves the noise reduction effect of machine operation. ; The liquid oil self-lubricating device is designed with low noise and high strength, and is equipped with a liquid oil level gauge for easy replacement. The supporting hoisting and dumping devices adopt an integrated design. The dumping device is integrated into the vibrating screening and discharging technology. It is simple to operate, enabling easy and fast canning, unloading, and filling, reducing labor intensity and improving production efficiency. It adopts a microcomputer touch screen, which is easy to operate and has a simple and intuitive interface. It can realize alternating control of forward and reverse rotation, and has timing and power-off memory functions.

Accessories & Customization



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.