

Professional
Powder Equipment
Manufacturer

TENCAN

Product Brochure



Powder
Equipment



Milling
Technology



Powder
Materials



PLANETARY BALL MILL SERIES

Micro-computerized Touch Screen Planetary Ball Mill

XMQ

Touch-screen controlled planetary ball mill for laboratory use. Offers advanced operation, precise milling of hard and brittle samples. Upgraded from conventional models for superior quality and control.

<https://www.planetaryballmills.com/products/grinding-series/planetary-ball-mill/micro-computerized-touch-screen-planetary-ball-mill.html>



TENCAN
POWDER

Product Overview

Touch-screen controlled planetary ball mill for laboratory use. Offers advanced operation, precise milling of hard and brittle samples. Upgraded from conventional models for superior quality and control.





Product Introduction

The microcomputer planetary ball mill is equipped with a touch screen operation control system based on the conventional planetary ball mill to further improve the equipment grade and control performance. The microcomputer planetary ball mill is mainly designed to meet users who have higher requirements for equipment quality and control performance.



Function Introduction

≡ Dedicated to Excellence, Defined by Professionalism

Planetary Mechanism

Integrally molded main disk with a new pressure-bar design, featuring an elegant appearance, stable speed, high efficiency, and finer grinding results.

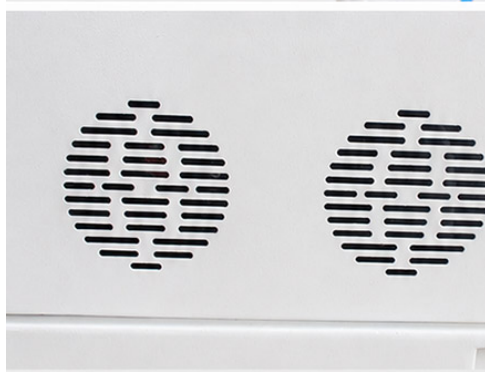


Viewing Window

Convenient for observing the operating status of the planetary mechanism. Tempered glass, safe and reliable.

Touchscreen Control System

The control system is powerful, featuring password protection, free programming, storage and recall of multiple program sets, process monitoring, and fault alarms. The touchscreen operation is intuitive, simple, and user-friendly, providing a friendly human-machine interface.



Cooling Fan Vent

High-speed operation effectively enhances internal airflow, improves heat dissipation, and ensures stable long-term operation of the machine.



Microcomputer planetary ball mill is widely used in geology, minerals, metallurgy, electronics, building materials, ceramics, chemical industry, light industry, medicine, environmental protection and other departments. It is 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, zinc oxide Production field of varistors, piezoelectric ceramics, nanomaterials, disc ceramic capacitors, MLCC, thermistors (PTC, NTC), ZnO varistors, dielectric ceramics, alumina ceramics, zirconia ceramics, phosphors, zinc oxide powders, cobalt oxide powders, Ni-Zn ferrite, Mn-Zn ferrite and other products.

Technical parameters

serial number	model	shape	Grinding tank rotation speed (mm)	Inner diameter of grinding pot seat (mm)	Motor power	Grinding jar revolution diameter (mm)	Overall dimensions (mm)	Net weight(kg)
1	XQM-0.2	Miniature	0~1160	50	90W	F111	420×260×310	25
2	XQM-0.2S	Mini glove box	0~1160	50	90W	F111	Equipment: 390×220×270 Control box: 200×180×240	29
3	XQM-0.4A	semicircle style	0~870	80	250W	Φ140	530×300×360	34
4	XQM-6		0~670	134	0.75KW	F234	760×470×580	100
5	XQM-4A	semicircle style	0~670	134	0.75KW	F234	760×470×600	85
6	XQM-(8-12)		0~580	162	1.5KW	Φ275	900×600×640	168
7	XQM-(8-12)A	semicircle style	0~580	162	1.5KW	Φ275	880×560×642	150
8	XQM-16A	semicircle style	0~510	182	3KW	Φ320	950×600×710	205
9	XQM-20		0~430	222	4KW	F385	1200×790×930	392
10	XQM-40		0~390	250	5.5KW	Φ430	1400×880×1070	656
11	XQM-60		0~260(1:1.5)	275	7.5KW	Φ490	1600×1070×1250	950
12	XQM-100		0~240(1:1.5)	326	11KW	F578	1750×1140×1330	1300
13	XQM-200		0~215	460	22KW	Φ738	2670×1600×2804	2725

Product Features

The control system hardware of the equipment adopts well-known brand products. The control system is powerful and has functions such as password setting, free programming, multiple sets of program storage and calling, process monitoring and fault alarm.; The touch operation is intuitive, simple and user-friendly, realizing a friendly human-machine interface.

Touch screen: easy to operate, simple and intuitive interface, can realize alternating control of forward and reverse, and has timing and power-off memory functions.

Touch screen PLC all-in-one machine: The pressure capacitive screen is flexible in control and easy to adjust. It can monitor the status of the equipment in real time and can customize functions according to customer requirements.

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.