



Technical resources

Micro-computerized Touch Screen Planetary Ball Mill

Model: XMQ

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

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Model: 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.

Technical specifications

Grinding jar specification	50ml~25L
Number of grinding jars	4 pieces
Speed control	Variable frequency control

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



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.

研磨系列

立式方形行星球磨机/细节



行星式结构

Planetary structure



效率高

Efficient



能量大

High energy



粒度细

Fine granularity

功能介绍

精益求精-所以专业

行星机构

整体成型主盘，采用新式压杆，精致美观大方，转速稳定、效率高、研磨颗粒更细。



可视窗口

便于观察行星机构运行情况，钢化玻璃，安全可靠。



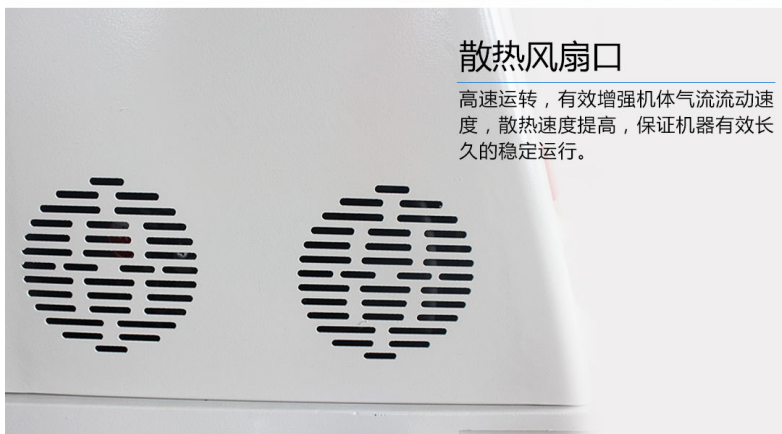
触摸屏控制系统

控制系统功能强大，具备密码设置、自由编程、多组程序存储及调用、进程监控及故障报警等功能；触摸操作直观、简单人性化，实现了友好人机界面。



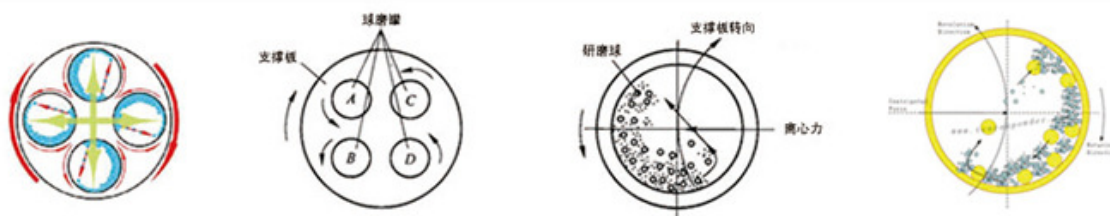
散热风扇口

高速运转，有效增强机体气流流动速度，散热速度提高，保证机器有效长久的稳定运行。



研磨系列

行星球磨机/运行原理



行星球磨机的主盘上装有四个球磨罐，当电机驱动主盘转动时，球磨罐在随主盘轴公转的同时在主盘行星机构的带动下自转作行星式运动，罐中磨球在高速的行星运动中相互磨擦与碰撞，具有高效研磨和混合样品的功能

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

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)
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

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.

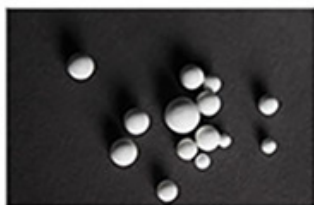
Touch screen PLC all-in-one machine: The pressure capacitive screen is flexible in control and easy to adjust. It can monitor the status of the equipment in real time and can customize functions according to customer requirements.

研磨系列

行星球磨机/配件介绍



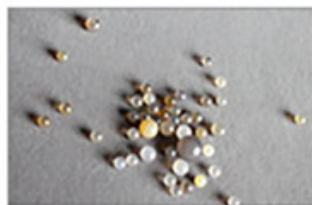
不锈钢球



氧化铝球



氧化锆球



玛瑙球



聚氨酯球



硬质合金球

我们还可以提供各种磨球:不锈钢球、氧化锆球、氧化铝球、PU球、钢碳球、钨球、玛瑙球、硬质合金球、氮化硅球、高耐磨钢球, 锰钢球、尼龙球、硬质合金、玻璃和其他特种金属材料。



不锈钢研磨球



刚玉研磨球



聚氨酯研磨球



聚四氟研磨罐



玛瑙研磨球



尼龙研磨球



氧化锆研磨球



硬质合金研磨球

我们还可以提供各种材质球磨罐: 玛瑙、氧化铝刚玉陶瓷、氧化锆陶瓷、氮化硅陶瓷、碳化硅陶瓷、不锈钢、耐磨钢、锰钢、尼龙、聚氨酯、硬质合金、水晶玻璃等。

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