



Four Jars Vertical Semi Circular Arc Laboratory Planetary Ball Mill Machine

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: MRBEST
- Certification: CE
- Model Number: MR-XQM
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Standard Export Carton Box
- Delivery Time: 7-20 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 500 sets per month



Product Specification

- Name: Planetary Ball Mill Machine
- Mode Of Transmission: Gear Transmission
- Mode Of Working: Two And Four Ball Grinding Jars Work Simultaneously
- Maximum Loading Capacity Of Materials: Two Thirds Of The Volume Of The Ball Mill Jar
- Ball Mill Tank Volume: 0.05-4L Per Jar, Total Volume 0.2-16L
- Feed Granularity: Soil Material≤10mm, And Other Materials≤3mm
- Granularity Of Discharge: Down To 0.1 Micron
- Mode Of Speed Regulation: Infinitely Adjustable-speed
- Highlight: **Vertical Laboratory Planetary Ball Mill, Four Jars Planetary Ball Mill Machine, Laboratory Planetary Ball Mill Machine**

Product Description

Four Jars Vertical Semi-Circular Arc Laboratory Planetary Ball Mill



Model: MR-XQM

Product Instruction

1. Planetary ball mill machine is necessary equipment for mixing, fine grinding, sample preparing, nano-materials dispersing, new product developing and preparing small volume high-tech material production.
2. The Planetary ball mill is small, full-featured, high efficiency and low noise which is the ideal equipment for scientific research units, institutions of higher learning, corporate laboratories to obtain micro particle research samples. (Four samples for each experiment).
3. It can be equipped with vacuum ball mill; the sample can be ground under vacuum. It is widely used in geology, mining, metallurgy, electronics, building materials, ceramics, chemicals, light industry, medicine, beauty, environmental protection and other departments.
4. It can set the speed, forward and reverse rotation time, and the total grinding time according to process requirement.

Optional Ball and Jar

1. Material of ball milling tank: stainless steel, agate, corundum, tungsten carbide, nylon, zirconia, polytetrafluoroethylene, lined with polyurethane and so on; The principle of choice is that the material of the ball mill can not affect the appearance of the material to be ground; Grinding easy to oxidation, must be air-insulated materials, you can use vacuum ball mill tank.
2. Grinding ball material are: chrome steel, stainless steel, agate, alumina, zirconia, Selection principle is the grinding ball material on the material to be polished does not affect the appearance of pollution; Grinding ball material density and hardness must be larger than the abrasive material; Ball mill specifications are: $\Phi 5$, $\Phi 8$, $\Phi 10$, $\Phi 15$, $\Phi 20$

Working principle:

MR-XQM series of variable frequency planetary ball mill has four ball grinding tanks installed on one turntable. When the turntable rotates, the tank axis makes planetary movements, the balls and samples inside the tanks are impacted strongly in

high speed movement, and samples are eventually ground into powder. Various kinds of different materials can be grinding and mixing by the mill with dry or wet method. The size of ground powder can be reduced to as small as 0.1 micrometer.

Specifications

Model	Planetary Ball Mill Machine MR-XQM-0.4
Grinding tank volume (L)	0.1L*4
Grinding tank material	Stainless Steel included. Optional hard steel, zirconia, agate, corundum, tungsten carbide, nylon, polyurethane, PTFE, etc.
Grinding media	Stainless steel included. Optional agate, zirconia, corundum, etc.
Maximum loading per tank	Material and grinding medium does not exceed two-thirds of the volume
Feeding material size	Soil material ≤ 10 mm, other materials ≤ 3 mm
Discharge material size	Min 0.1um
Rotating speed	Revolution 335r / min, Rotation 670r / min
Speed ratio (revolution: rotation)	1:2
Speed mode	Frequency, programmable stepless speed regulation, manual, automatic timing forward and reverse
Transfer method	Gear drive
Working Voltage	220V
Motor power and variable frequency power	0.75Kw
Way of working	Two or four cans work at the same time
Maximum continuous operating time	72hours
Machine Size	750*470*564mm
Weight (not include Jars and Ball)	80kg

We can provide different capacity of planetary ball mill according to your requirement.

Model	Power supply	Motor power Converter power	Operating time setting (min)	Positive and negative alternating operation time(min)	Adjustable speed Revolution (rpm)	Adjustable speed Rotation (rpm)	Noise <db
XQM-0.2	220V 50HZ	0.75KW	1-9999	1-999	30-335	70-670	60db
XQM-0.4	220V 50HZ	0.75KW	1-9999	1-999	30-335	70-670	60db
XQM-1	220V 50HZ	0.75KW	1-9999	1-999	30-335	70-670	60db
XQM-2	220V 50HZ	0.75KW	1-9999	1-999	30-335	70-670	60db
XQM-4	220V 50HZ	0.75KW	1-9999	1-999	30-335	70-670	60db
XQM-6	220V 50HZ	0.75KW	1-9999	1-999	30-335	70-670	60db
XQM-8	220V 50HZ	1.5KW	1-9999	1-999	35-290	70-580	60db
XQM-10	220V 50HZ	1.5KW	1-9999	1-999	35-290	70-580	60db
XQM-12	220V 50HZ	1.5KW	1-9999	1-999	35-290	70-580	65db
XQM-20	380V 50HZ	4KW	1-9999	1-999	25-215	50-430	65-db
XQM-40	380V 50HZ	5.5KW	1-9999	1-999	20-195	40-390	68db
XQM-60	380V 50HZ	7.5KW	1-9999	1-999	27-174	40-260	68db
XQM-100	380V 50HZ	11KW	1-9999	1-999	27-160	40-240	68db

Model	Capacity	Specification of milling tank	Qty
XQM-0.2	0.2L	50ml	4 set
XQM-0.4	0.4L	50ml-100ml	4 set
XQM-1	1L	50ml-250ml	4 set
XQM-2	2L	50ml-500ml	4 set
XQM-4	4L	250ml-1L	4 set
XQM-6	6L	1L-1.5L	4 set
XQM-8	8L	1L-2L	4 set
XQM-10	10L	1L-2.5L	4 set
XQM-12	12L	1L-3L	4 set
XQM-20	20L	2L-5L	4 set
XQM-40	40L	5L-10L	4 set
XQM-60	60L	10L-15L	4 set
XQM-100	100L	20L-25L	4 set

Our Advantages

1. Steady and high quality ! -cause we are a manufacturer of Lithium Battery Equipment, and we only focus on one thing that is make professional Lithium ion Battery Equipment for customer around the world.
2. Friendly use! all MRBEST Battery Equipment with teach manual and support live teaching via media.
3. Reliable factory! My factory located in Shenzhen city of China, support factory visit and video factory visit .

4. 1 year warranty plus lifetime technical support.
5. All the parts use on machine, in stock forever.
6. Powerful technical support, NOT TRADE COMPANY! We are professional on Lithium Battery Equipment, the chief engineer team have more than 20 years experience on lithium battery area, so we can easy do diagnose on machine if customer have question.
7. 100% PATIENCE to all customers! Our patience not only before consult order, also after-sale service, one by one .



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