

Lab & Medical Equipment



Disintegrator & Ball Mill

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Disintegrator

Plant Disintegrator



- Features:**
- * Grind by the action of rotating disk and fixed disk; the ideal equipment for grinding oiliness and fiber products.
 - * Featured by lightweight, small volume, compact structure, cotinuous working time, attractive appearance and high efficiency. Space between blades is adjustable according to material fineness.

Technical Parameters:

Model	MPD-102
Mesh Size (mm)	0.5/1/1.5
Working Time	Continuous
Grinding (Mesh)	60~120
Speed (rpm)	1400rpm
Consumption	180W
Power Supply	AC110/220V±10%, 50/60Hz
External Size(W*D*H) mm	300*185*280
Package Size(W*D*H) mm	465*240*290
Net Weight(kg)	11.3
Gross Weight(kg)	19.5

High-speed Universal Disintegrator



HSD-80



HSD-100/200



HSD-400A

Technical Parameters:

Model	HSD-80	HSD-100	HSD-200	HSD-400A
Speed (rpm)	10000	26000	26000	26000
Size of Grinding Room (mm)	Ø80*40	Ø100*40	Ø125*56	Ø150*80
Grinding (mesh)	40~200			
Input Quantity (≤G/time)	50	100	200	400
Consumption	200W	800W	800W	1000W
Power Supply	AC220V, 50Hz			
External Size(W*D*H) mm	Ø110*210H	Ø160*320H	Ø160*360H	230W*190D*420H
Net Weight(kg)	2.5	4	5	13
Gross Weight(kg)	3	5	6	14

Ball Mill

Optional:

Selection of pot's material: Pot's material has no pollution to the grinding materials and no effect to the appearance of powder.

Technical Parameters:

Category & Request of Grinding Material	Reference for Mill Pots' Material Option
Soil and other Materials which impurities are not allowed to be brought.	Agate Pot
Metal and non-metal materials which impurities are not allowed to be brought.	Zirconia Pot
High hardness materials like diamond, hard alloy.	Hard Alloy Pot
Strong acid and strong alkali substances, and materials under high temperature.	PTFE Mill Pot
Iron and steel minerals, impurities are not highly sensitive materials.	304 Stainless Steel Mill Pot
Pigment material, and materials which can be processed at high temperature.	Nylon Mill Pot
Containing aluminum material like ceramic glaze.	Corundum Pot
Electronic material like lithium battery.	Polyurethane Mill Pot
Easily oxidized materials which need to be protected by special gas.	Vacuum Mill Pot



Nylon Mill Pot



PTFE Mill Pot



Zirconia Pot



Hard Alloy Pot



Polyurethane Mill Pot



Stainless Steel Mill Pot

Matching Ways for Mill Pots and Balls:

	Agate Grinding Ball	Zirconia Grinding Balls	Hard Alloy Ball	Stainless Steel Balls	Alumina Balls	Polyurethane Coated Iron Core Ball	Steel Ball
Agate Mill Pot	▲						
Zirconia Mill Pot		▲					
Hard Alloy Mill Pot			▲				
PTFE Mill Pot	▲						
Stainless Steel Mill Pot				▲			
Nylon Mill Pot		▲					
Corundum Mill Pot					▲		
Polyurethane Mill Pot						▲	

Remarks: ▲ Best Match

Best Match Ratio: Large-sized Ball: 20%; Medium-sized Ball: 50%; Small-sized Ball: 30%.



Stainless steel mill pot can be matched with stainless steel ball



Zirconia mill pot can be matched with zirconia balls



Corundum mill pot can be matched with alumina balls



Hard Alloy mill pot can be matched with zirconia balls



Nylon mill pot can be matched with zirconia balls



PTFE mill pot can be matched with agate balls



Polyurethane mill pot can be matched with Agate balls



Tempered nylon mill pot can be matched with agate balls



Agate mill pot can be matched with agate balls

Vertical Planetary Ball Mill(Semi-circle Type)

Application:

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 ground by the mill with dry or wet method. Minimum granularity of ground powder can be as small as 0.1µm.



Features:

- * 3D curve shape design.
- * Special gear with low noise.



Visual Window



Planetary Mechanism



Frequency Converter Control



Hole of Cooling Fan

Technical Parameters:

Model		BKBM-V0.4	BKBM-V2
Capacity		0.4L	2L
Volume of Each Capacity		50~100ml	50~500ml
Pot Quantity		4 pcs	
Running Time Range		1~9999min	
Reciprocal Running Time		1~999min	
Adjustable Speed	Revolution	45~435rpm	35~335rpm
	Rotation	90~870rpm	70~670rpm
Noise		58±5dB	60±5dB
Speed Control Mode		Frequency Control	
Transmission Mode		Gear Drive	
Working Mode		2 or 4 pots can be used each time	
Maximum Sample Volume (material + grinding ball)		2/3 of the volume of the ball mill tank	
Feed Size		Soft and Crispy material<10mm, Other materials<3mm	
Out-put Granularity		Minimum Granularity can be reached to 0.1um	
Adjusting Mode of Rotate Speed		Frequency converter with stepless speed regulation	
Consumption		0.25KW	0.75KW
Power Supply		AC110/220V±10%, 50/60Hz	
External Size(W*D*H)mm		530*300*340	750*470*565
Package Size(W*D*H)mm		595*360*485	820*530*720
Net Weight(kg)		29	80
Gross Weight(kg)		50	100

Vertical Planetary Ball Mill(Square Type)



Features:

- * 3D curve shape design.
- * Special gear with low noise.



Planetary Mechanism



Frequency Converter Control



Hole of Cooling Fan



Pneumatic Rod

Technical Parameters:

Model		BKBM-V2S
Capacity		2L
Volume of Each Capacity		50~500ml
Pot Quantity		4pcs
Running Time Range		1~9999min
Reciprocal Running Time		1~999min
Adjustable Speed	Revolution	35~335rpm
	Rotation	70~670rpm
Noise		60±5dB
Speed Control Mode		Frequency Control
Transmission Mode		Gear Drive
Working Mode		2 or 4 pots can be used each time
Maximum Sample Volume (material + grinding ball)		2/3 of the volume of the ball mill tank
Feed Size		Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity		Minimum Granularity can be reached to 0.1um
Adjusting Mode of Rotate Speed		Frequency converter with stepless speed regulation
Consumption		0.75KW
Power Supply		AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm		770*470*570
Package Size(W*D*H)mm		820*540*680
Net Weight(kg)		93
Gross Weight(kg)		113

Light Horizontal Planetary Ball Mill



Features:

- * Horizontal structure of grinding pots.
- * Special gear with low noise.



Planetary Mechanism



Frequency Converter Control



Hole of Cooling Fan



Pneumatic Rod

Technical Parameters:

Model		BKBM-H2L
Capacity		2L
Volume of Each Capacity		50~500ml
Pot Quantity		4 pcs
Running Time Range		1~9999min
Reciprocal Running Time		1~999min
Adjustable Speed	Revolution	35~335rpm
	Rotation	70~670rpm
Noise		60±5dB
Transmission Mode		Gear Drive
Working Mode		2 or 4 pots can be used each time
Maximum Sample Volume (material + grinding ball)		2/3 of the volume of the ball mill tank
Feed Size		Soft and Crispy material<10mm, Other materials<3mm
Out-put Granularity		Minimum Granularity can be reached to 0.1pm
Adjusting Mode of Rotate Speed		Frequency converter with stepless speed regulation
Speed Control Mode		Frequency Control
Consumption		0.75KW
Power Supply		AC110/220V±10%, 50/60Hz
External Size(W*D*H)mm		700*570*520
Package Size(W*D*H)mm		800*610*670
Net Weight(kg)		86
Gross Weight(kg)		110

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