

## Ball Mill

### 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
	Rotation	90~870rpm
Noise	Revolution	35~335rpm
	Rotation	70~670rpm
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

Note: Both pot and ball are optional. For a ball mill with a capacity of 2L, if the matching mill pot specification is 25ml or 50ml, you need to purchase a base holder separately.

### 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	

Note: Both pot and ball are optional. For a ball mill with a capacity of 2L, if the matching mill pot specification is 25ml or 50ml, you need to purchase a base holder separately.