



VORTEX MIXER BVMX-501

VORTEX MIXER BVMX-501

BALL MILL MIXER

A ball mill mixer is a high-efficiency and safe laboratory grinding instrument. There are various types of grinders to choose from. It is an instrument with a wide range of applications in industrial and research laboratories. It can be used for homogeneous grinding soft,

hard, fibrous, brittle, etc. materials in the dry or wet state, have numerous applications in the chemical and pharmaceutical sectors, as well as in mineralogy and biological applications. The diameter of the center shaft of the special grinder is 18.25mm, and the minimum clamping length is 60mm, which can quickly homogenize two samples at the same time. The closed grinder ensures that the sample can be completely recovered after homogenization, and the final fineness can reach 1 μm . The fast grinding and extremely low final fineness make this model very suitable for sample preparation for spectroscopic analysis.



Exquisite design, stable body, man-machine angle design, easy to operate.

Quickly homogenize two samples at the same time, saving time.

Good sealing performance ensures complete recovery of homogeneous samples.

Good homogenization, final fineness can reach 1 μm , fast grinding and very low final fineness make the ideal for spectroscopic analysis.

Beads are available in a variety of materials and diameters for different types of samples.

Most samples can be homogenized and the integrity of biomolecules (DNA, RNA, proteins) and drug molecules is preserved.

When the cover is opened by mistake, it will automatically stop running to protect the safety of users.

SPECIFICATIONS

Model	BVMX-501
Application	Sample pretreatment, ultra-fine material preparation
Sample type	Hard, soft, elastic and fibrous samples
Max. feed size	<10mm
Sample Volume	Max. 2x50ml
Final discharge particle size	<5 μm (Depends on the nature of the sample)
Vibration frequency	Regular frequency: 180-1800 r/min, Up to: 2100 r/min
Grinding Kit Materials	Hardened steel, stainless steel, tungsten carbide, agate, Zirconia
Grinding jar size	0.2ml, 1.5ml, 2.0ml, 5ml, 10ml, 25ml, 35ml, 50ml
Voltage	100V-240V 50-60Hz
Power	150W
Grinding method	Dry grinding, wet grinding and cryogenic grinding
Working time setting	10s~99min59s
Interval time setting	10s~99min59s
Number of preset operating modes	10
Number of cycles	Max. 99 times
Appearance dimensions (protective cover closed)	W.350mmxD.455 mmxH.275mm
Appearance Dimensions (protective cover open)	W.350mmxD.455mmxH.550mm
Net weight	31.5kg
Alt Name	Ball Mill Mixer



ACCESSORIES FOR PURCHASE

No	Name	Grinding tank size	Grinding bead diameter (mm)	Number of grinding balls	Max. feed size (mm)
1	Capacity	25ml	4-10	1-15	6
2	Capacity	35ml	6-15	1-20	6
3	Capacity	50ml	8-20	1-25	8



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com