

BM-2100

Ball Grinding Mill

Ultrassay BM-2100 ball grinding mill is designed with various optional accessories for laboratory applications, friendly UI design and preset programs can help users save a lot time. It can process small amount as well as large batch samples of plants, animal tissue and small quantity samples in dry or wet condition.

High speed vibration provides an excellent mixing and homogenizing to samples in only a few seconds. Ultrassay ball grinding mill can work well in researches of biology, chemistry, pharmacology, Minerals, Medicine and etc.

Main Features:

- Enhanced motor, high quality bearing;
- Touch screen, custom and preset programs;
- High efficiency grinding, maintenance-free;
- Safe security with protective hood;
- Double-positions operation;
- Various accessories/adapters for option.



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Technical Specification

Model No.	BM-2100		
Speed Range	180-2100 rpm	Acc/Dec Time	within 2 seconds
Sample Batch	2 batches	Grinding Mode	Dry / Wet
Feed Size	Depends on adapters	Final Fineness	~5um
Ball Diameter	3~20mm	Adapter Material	Nylon / Al Alloy
Jar Material	Teflon / SS	Power Supply	AC 220V 50/60Hz
Overall Dimension	530x350x311mm	Weight	15kg
Sample Capacity	96x2ml / 64x2ml / 48x2ml / 16x2ml / 10x5ml Custom Grinding Tubes: 2x15ml / 2x25ml / 2x35ml / 2x50ml Standard Tubes: 8x50ml		

Grinder-6

Tissue Lyser/Grinder

Ultrassay Grinder-6 Tissue Lyser/Grinder is a small size lab instrument, suit for various of samples grinding.

Touch screen display, easy to operate: High speed, brings high efficiency.

Commonly used for sample pretreatments in industries of biology, chemistry, pharmacology, minerals, medicine, etc.

Main Features:

- Touch screen;
- Applied to various samples;
- Replaceable tube adaptors;
- Reinforced motor with strengthened main shaft;
- Maintenance free, low noise;
- Adjustable frequency, editable programs.



Technical Specification

Model No.	Grinder-6		
Speed Range	2450~4450 rpm	Acc/Dec Time	within 2 seconds
Frequency Range	30 ~ 70Hz	Noise Level	<55dB
Feed Size	Depends on adapters	Final Fineness	~5um
Ball Diameter	0.1~5mm	Adapter Material	POM / Nylon
Safety Guard	Stop once lid open	Power Supply	AC 220V 50/60Hz
Overall Dimension	351x215x202mm	Weight	12kg
Grinding Mode	Dry, Wet		
Sample Capacity	6x2ml / 2x5ml		

Grinder-96

Tissue Lyser/Grinder

Ultrassay Grinder-96 Tissue Lyser/Grinder grinds a broad variety of biological samples due to high frequency vertical vibration, which is controlled by frequency converter. Various adaptors for options accommodating tubes from 2ml to 50ml, commonly used for sample pretreatments in industries of biology, microbiology, medical analysis and etc. Touch screen and UI design are user-friendly and easy-to-operate, it will be a good assistant in a laboratory.









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Technical Specification

Model No.	Grinder-96		
Speed Range	900~2100 rpm	Acc/Dec Time	within 2 seconds
Frequency Range	30 ~ 70Hz	Noise Level	<55dB
Feed Size	Depends on adapters	Final Fineness	~5um
Ball Diameter	0.1~30mm	Adapter Material	PTFE / SS / Al. alloy
Safety Guard	Emergency stop	Power Supply	AC 220V 50/60Hz
Overall Dimension	460x410x520mm	Weight	52kg
Ball Material	Alloy Steel, Chrome Steel, Zirconia, Tungsten Carbide, Quartz Sand		
Sample Capacity	32x2ml/24x2ml/48x2ml/96x2ml/24x5ml/8x15ml/4x25ml/2x50ml		

Optional Accessories

No.	Name	Material	Picture	Max. Tube Qty	Sample feed size	Sample vol. per tube	Beads size	Beads qty per tube
1	24x2ml Tube adapter	Plastic		24	1mm	0.2-0.5ml	3mm	2-3
2	32x2ml Tube adapter	Plastic		32	1mm	0.2-0.5ml	3mm	2-3
3	48x2ml Tube adapter	Plastic		48	1mm	0.2-0.5ml	3mm	2-3
4	64x2ml Tube adapter	Plastic		64	1mm	0.2-0.5ml	3mm	2-3
5	96x2ml Tube adapter	Plastic		96	1mm	0.2-0.5ml	3mm	2-3
6	24x5ml Tube adapter	Plastic		24	2mm	0.5-2.0ml	5mm	2-3

Optional Accessories

No.	Name	Material	Picture	Max. Tube Qty	Sample feed size	Sample vol. per tube	Beads size	Beads qty per tube
7	8x15ml Tube adapter	Plastic		8	5mm	2.0-4.0ml	10mm	1
8	4x25ml Tube adapter	Plastic		4	6mm	4.0-10.0ml	15mm	1
9	2x50ml Tube adapter	Plastic		2	8mm	8.0-20.0ml	20mm	1
10	24x2ml Tube adapter	Al. alloy		24	1mm	0.2-0.5ml	3mm	2-3
11	32x2ml Tube adapter	Al. alloy		32	1mm	0.2-0.5ml	3mm	2-3
12	48x2ml Tube adapter	Al. alloy		48	1mm	0.2-0.5ml	3mm	2-3