



ORBITAL SHAKER

ORBITAL SHAKER BFA1BA1 BFA1BA2 BFA1BA3

DECOLORIZATION SHAKER

Decolorization shaker is widely used in coomassie blue dyeing and decolorization shaking, electrophoresis gel fixing, silver nitrate dyeing fixing, dyeing, development and so on.



Compact appearance, space saving, powerful function and strong compatibility. Suction cup type machine feet, super shockproof, high speed and smooth, no noise.

Large platform design, placing more samples, strong load capacity.

Three models are available, the configuration performance is from low to high, to meet more choices.

SPECIFICATIONS

Model	BFA1BA1	BFA1BA2	BFA1BA3
Old Model	BSOT-205	BSOT-206	BSOT-207
Speed Range	0~300rpm	50~300rpm	
Time Range	/	1min~99h59min	
Digital Display	/	Time/speed display	
Radius of gyration	10mm		
Max Load Capacity	3Kgs		
Motor Parameters	DC motor stepless speed regulation	DC external rotor motor	DC brushless motor
Platform Size	330x430mm		
Beep Alarm	No	Yes	
Voltage	AC110/220V,50/60Hz		AC110~220V,50/60Hz
Power	25W	30W	
Fuse	250V,1A,φ5x20		
Dimension	W.330xD.490xH.145mm		
Net Weight	9.5kgs	9.8kgs	10kgs
Alt Name	Decolorization shaker		



BFA1BA1



BFA1BA2 BFA1BA3

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Platform TS-A	Stainless steel platform and rubber mat combination
2	Conical Flask Stand TS-B	250ml can put 12pcs
3	Conical Flask Stand TS-C	100ml can put 20pcs
4	Universal Platform TS-D	



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ORBITAL SHAKER BFA1BD1

3D SHAKER

The 3D Shaker has a compact and simple appearance, uses microcomputer control technology, and has various functions. It is suitable for laboratory instruments in the fields of electrophoresis gel decolorization / staining, sample mixing, molecular hybridization, immunoprecipitation, protein imprinting, and cell culture.



Real-time speed display and timing display, convenient and intuitive. Can be set to run continuously from time to time.

With a timing alarm system, when the program is finished, there will be a buzzer prompt.

Speed is adjustable, the speed range is 5 ~ 80rpm.

Special movement structure, strong bearing capacity and low running noise.

A variety of test tubes, petri dishes and other fixtures are available to meet a variety of experimental needs.

SPECIFICATIONS

Model	BFA1BD1
Old Model	BSOT-208
Speed range	5~80rpm
Angle of inclination	16°
Timing range	0~99h59min
Operation mode	Timing/continuous operation
Maximum load	2.5kg
Power	35W
Fuse	250V,1A,φ5x20
Voltage	AC110~230V,50/60Hz
Dimensions	W.368xD.228xH.206 mm
Net weight	5.2kg
Alt Name	3D Shaker

ACCESSORIES FOR PURCHASE

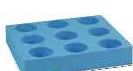
No	Name	Description
1	Block A	500ml conical flask x 4
2	Block B	250ml conical flask x 5
3	Block C	100ml conical flask x 9
4	Block D	96-well culture plate x 2 Cell culture plate x 2
5	Rubber mat E	-
6	Rubber mat F	Centrifuge tube 1.5ml x 75/ 2mlx75/15mlx20/50mlx10



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ORBITAL SHAKER BGH1K1 BGH1K2

ORBITAL SHAKER

Orbital shakers are powerful variable speed shakers which provide efficient orbital motion. Speed and time are under microprocessor control. Shakers can be applicable in different labs: microbiology, chemistry, immunology, biochemistry and molecular biology.



Timer function, set the working time within 1 min-100 h.
Normal operation at 4~45 °C, safe and convenient.
A variety of pallets are available for different mixing operations.

SPECIFICATIONS

Model	BGH1K1	BGH1K2
Shaking Speed	50-300 rpm	50-250 rpm
Orbit	10 mm	20 mm
Max. capacity	3.0 kg	2.5 kg
Timer range	1 min~99 h 59 min	
Load capacity	See below table	
Motor	DC brushless	
Operating ambient	4~45 °C	
Dimension (mm)	280x270x110 mm	
Alt Name	Orbital Shaker	

ACCESSORIES FOR PURCHASE

No	Name	Description
1	PP-1	flat platform with non-slip rubber mat
2	PP12-100	platform with clamps for flasks, 100-150 mL
3	PP06-250	platform with clamps for flasks, 250-300 mL
4	UP-1	universal platform with adjustable bars for different types of flasks, bottles
5	MP-1	platform with springs

ORBITAL SHAKER BFA1BB1 BFA1BB2 BFA1BB3

ORBITAL SHAKER

Orbital Shaker is designed with a compact appearance. It is used for any mixing applications in different industries. It is applied in different laboratories of molecular biology, microbiology, immunology, chemistry, etc.



DC brushless motor, safe, long life and maintenance-free. Operating is silent and stable.

Speed adjustable. Gentle shaking, applied in different industries.

Compact and clean designed, LED displays time and speed, streamlined fuselage, simple operation, easy clean.

Equipped with a timing function, which can be set arbitrarily within the range of 1min~ 100h. The time controller can automatically alarm, realizing unmanned operation, and can be set to run continuously from time to time.

Different platforms to load different conical flasks and other sample containers for optional choices.

SPECIFICATIONS

Model	BFA1BB1	BFA1BB2	BFA1BB3
Old Model	BSOT-201	BSOT-202	BSOT-203
Speed Range	50rpm~350rpm	50rpm~300rpm	50rpm~250rpm
Shaking Orbit	10mm	20mm	30mm
Time Range	1min~99h59min		
Max. Loading Capacity	3kgs		
Voltage	AC 100~230V, 50/60Hz		
Power	50W		
Fuse Protector	250V, 1A, Φ 5x20		
Dimensions	W.284 x D.264 x H.108mm		
Net weight	5.6kgs		
Alt Name	Orbital Shaker		

ACCESSORIES FOR PURCHASE

No	Name
1	Adjustable Bar Platform UP-12
2	Flask Platform P12-100
3	Platform PP-4
4	Universal platform with springs PW-260
5	Flask Platform P6-250
6	Double Deck Platform PP-4A
7	Sticky Pad SPD-GS



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ORBITAL SHAKER BER1BF1 BER1BF2

ORBITAL SHAKER



1. Temperature setting, measuring, and running state show on one large LCD screen, with rotary encoder switch.
2. The operating parameters can be remembered and protected. Automatically resume operation if the power supply cut off.
3. Speed control : intelligent brushless DC motor, high speed accuracy, slow start design, auto lock if speed out of control. adjustable starting speed to prevent the splash of shake flask liquid.

SPECIFICATIONS

Model	BER1BF1	BER1BF2
Shaking Mode	Cyclotron oscillation	
Function		
--Amplitude	φ10mm	φ20mm
--Rotary Speed Range	100~500rpm	30~250rpm
--Rotary Speed Precision	±1rpm	
Structure		
--Out Shell	ABS	
--Motor Type	Brushless motor	
--Tray	Anodizing Aluminum	
--Driving Mode	Four horizontal points	
--Power Rating	0.03kW	
Controller		
--Cyclotron Control Mode	LCD, PID intelligent control	
--Cyclotron Setting Mode	Rotary coding switch	
--Speed Display Mode	LCD display	
--Timer	0 ~ 9999 min (with timing function)	
--Operation Function	Fixed value operation, timing function, bidirectional automatic switchover, auto stop, quick stop start	
--Speed Sensor	Hoare	
--Additional Function	Deviation calibration, power-off memory	
Safety Device	Intelligent low speed start, blocking protection	
Specification		
--Exterior Size (W*L*H)(mm)	365*450*222	
--Packing Size (W*L*H)(mm)	470*550*325	
--Tray Size (mm)	320*320	
--Load Per Tray	≤5kg	
--Tray Number	1	

--Supply (50/60Hz) Current Rating	AC220V/0.14A
--NW/GW (kg)	10/15
Optional Type	Universal spring grid trayFlask Clip Tray 250ml*9/500ml*4
Alt Name	Orbital shaker

APPLICATIONS

Experiment of sample shake in solution, fixation of electrophoretic gel separate band, oscillate shaking of coomassie blue dyeing and decolorization, Immobilization, staining and development of silver nitrate.

ORBITAL SHAKER BFS101

ORBITAL SHAKER

Orbital shaker is a high speed shaker with direct brushless DC motor and microprocessor controlled technique. One touch knob for easy operation and can be changed to a different holder. It can be applicable in different laboratories,in microbiology, biotechnology,medical analysis,etc.



Maximum load capacity: 3 kg
Easy to operate with one touch knob
Variable speed between 50 to 300 rpm
DC brushless motor for gentle and powerful motion

SPECIFICATIONS

Model	BFS101
Old Model	BSRP-104
Speed Range	50-300 RPM
Timing Range	1 min ~ 99 h 59 min
Speed Increment	1 RPM
Loading	3 kg
Power	220 V / 120 V, 45 W
Dimensions (L x W x H) mm	280 x 270 x 110 mm
Weight	6.5 kg
MOQ-5PCS	
Alt Name	Orbital Shaker

ACCESSORIES FOR PURCHASE

No	Name	Specification
1	TS-PP	Flat Platform (MOQ-5PCS)
2	TS-FC-A	Platform with clamps for flasks (12 x 100 ml) (MOQ-5PCS)
3	TS-FC-B	Platform with clamps for flasks (6 x 250 ml) (MOQ-5PCS)
4	TS-UP	Universal platform with adjustable bars (MOQ-5PCS)



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ORBITAL SHAKER BFA1Z1

EXTREME ENVIRONMENT SHAKER

The shaker is suitable for use in CO₂ incubators, greenhouses, and refrigerators. The parameter display and controller are placed outside. There is no need to worry about humidity, high temperature and other factors affecting the performance and life of the instrument. It is very suitable for animal cell culture and suspension cell culture, and high and low temperature chemical reactions. The controller can be attached to most incubators by magnets to optimize the operating space.



The controller can be placed outside the incubator, and the shaker is controlled by a ribbon cable, which is convenient for viewing and changing settings without disturbing the environment of the incubator.

The controller can be fixed on the incubator or placed on the workbench.

Suction cup machine feet, super shockproof, high speed and stable, no noise.

Large platform design, many samples can be placed, strong load-bearing capacity.

SPECIFICATIONS

Model	BFA1Z1
Old Model	BSOT-204
Speed Range	50~300rpm
Time Range	1min~99h59min
Digital Display	Time/speed display
Radius of gyration	10mm
Max Load Capacity	2.5Kgs
Motor Parameters	Brushless DC motor
Platform Size	330mmx430mm
Beep Alarm	Yes
Voltage	100~240V AC 0.75A 50/60Hz
Power	30W
Fuse	250V,1A,φ5x20
Controller size	W.220xD.132xH.64mm
Shaker size	W.270xD.320xH.112mm
Net Weight	8.2kgs
Alt Name	Extreme Environment Shaker

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Platform TS-A	Stainless steel platform and rubber mat combination
2	Conical Flask Stand TS-B	250ml can put 12pcs
3	Conical Flask Stand TS-C	100ml can put 20pcs
4	Universal Platform TS-D	



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ORBITAL SHAKER BGI1Z1 TO BGI1Z6

ORBITAL SHAKER



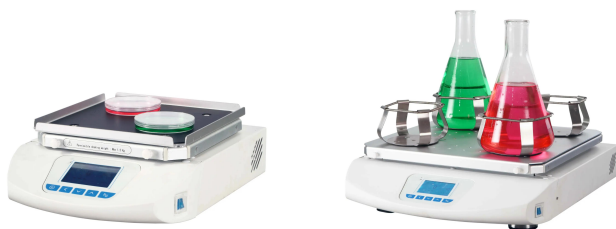
Orbital Shaker BGI1Z1

- Microprocessor PID controller, with timing function.
- Stainless-steel or alnico plate, non-eroding and easy clean.
- DC Brushless motor with long using life, wide speed control with long using life, wide speed control.
- The alarm will get off when the real shaking speed is 10% different with setting value, and motor will stop automatically.
- Speed controller ensures smooth start /stop which can prevent the liquid spill to damage the equipment.

SPECIFICATIONS

Model	BGI1Z1	BGI1Z2	BGI1Z3	BGI1Z4
Electrical Requirement	220V 50Hz			
Type of Movement	Orbital			
Shaking Speed Range	40~250 rpm		40~300 rpm	
Amplitude	20mm	10mm	20mm	
Temperature Range	-			
Display Resolution	-			
Power Consumption	25W		60W	
Platform Size (mm)	280x270	350x260	350x350	450x450
Default Platform	Spring wire racks			
Alt Name	Orbital Shaker			

Model	BGI1Z5	BGI1Z6
Old Model	BSOT-606	BSOT-607
Electrical Requirement	220V 50Hz	
Type of Movement	Orbital	
Shaking Speed Range	40~250 rpm	
Amplitude	20mm	
Temperature Range	RT+5~100°C	
Display Resolution	0.1°C	
Power Consumption	350W	400W
Platform Size (mm)	350x260	400x340
Default Platform	Spring wire racks	
Alt Name	Orbital Shaker	



FEATURES BGI1Z1 BGI1Z2 BGI1Z3 BGI1Z4

- Microprocessor PID controller, with timing function.
- Stainless-steel or alnico plate, non-eroding and easy clean.
- DC Brushless motor with long using life, wide speed control with long using life, wide speed control.
- The alarm will get off when the real shaking speed is 10% different with setting value, and motor will stop automatically.
- Speed controller ensures smooth start /stop which can prevent the liquid spill to damage the equipment.

FEATURES BGI1Z5 BGI1Z6

- Microprocessor PID controller, with timing function.
- Stainless-steel or alnico plate, non-eroding and easy clean.
- DC Brushless motor with long using life, wide speed control with long using life, wide speed control.
- The alarm will get off when the real shaking speed is 10% different with setting value, and motor will stop automatically.
- Speed controller ensures smooth start /stop which can prevent the liquid spill to damage the equipment.

- Microprocessor PID controller, with timing function.
- Stainless-steel or alnico plate, non-eroding and easy clean.
- DC Brushless motor with long using life, wide speed control with long using life, wide speed control.
- The alarm will get off when the real shaking speed is 10% different with setting value, and motor will stop automatically.
- Speed controller ensures smooth start /stop which can prevent the liquid spill to damage the equipment.
- They are with heating plate function.

APPLICATIONS

Microprocessor controller (with timing function)

Widely applicable for researches on bacteria cultivation, fermentation, hybridization, chemical and biochemical reaction.

ORBITAL SHAKER BFL1E1 BFL1E2

ORBITAL SHAKER



Independent LCD display for speed and time
 Compact footprint
 Provides smooth and uniform shaking
 Two options: 7.5 kg (O330) with platform and 2.5kg (O180) with platform speed range 100-500 rpm and 100-800 rpm
 Continuous or timer operation mode
 Maintenance- free brushless DC motor
 Over speed detection and protection
 Wide range of optional platform for flasks, and other popular vessels
 Remote function provides PC control and data transmission
 Free software for PC control & data logging

SPECIFICATIONS

Model	BFL1E1	BFL1E2
Orbital diameter	10mm	4mm
Max. load capacity (with platform)	7.5kg	2.5kg
Motor type	Brushless DC motor	
Motor input power	28W	
Motor output power	15W	
Speed range	100-500rpm	100-800rpm
Speed display	LCD	
Timer display	LCD	
Time settings range	1min-99h59min	
Voltage,Frequency	100-240V,50/60Hz	
Power	30W	
Weight	12kg	8.1kg
Permissible ambient temperature and humidity	5-40°C,80%RH	
Dimension[WxDxH]	370x420x100mm	300x340x100mm
Protection class	IP21	IP20
Data connector	RS232	
Alt Name	Orbital Shaker	



BFL1E1



BFL1E2

ACCESSORIES FOR PURCHASE BFL1E1

No	Name	Description
1	Dish platform	SK330.5 Dish platform with non-slip mat and fixed string (8pcs) Dimension [WxD]: 30 x 28.5 cm

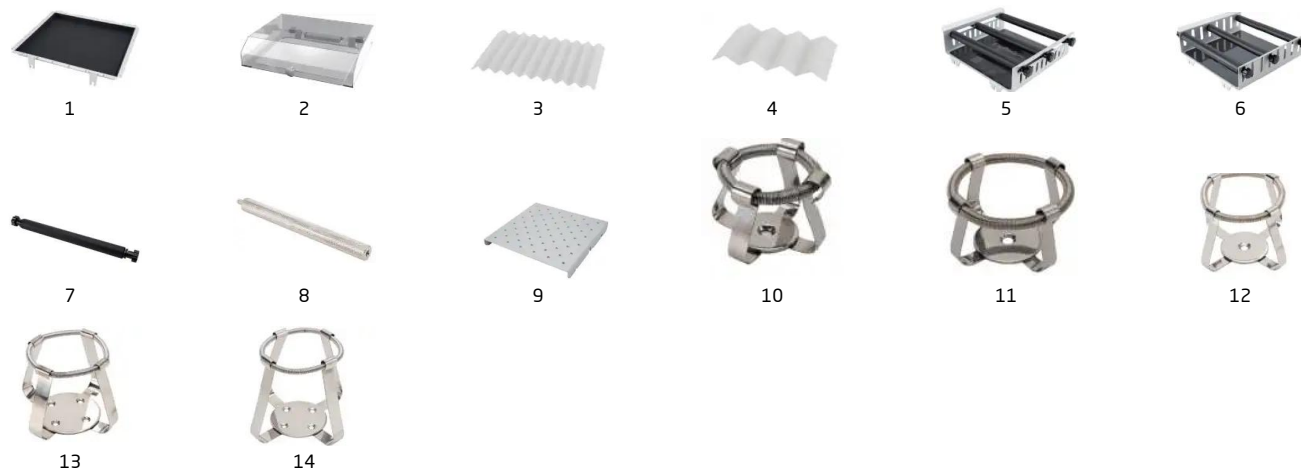
2	Silicone mattress	For 16 x 5~15 mL tubes, use with SK330.5
3	Silicone mattress	For 6 x 50 mL tubes, use with SK330.5
4	Transparent shield	SK330.6 Transparent shield, serologic test for syphilis, 41 x 39.5 x 10 cm
5	Universal attachment with 4 bars	SK330.1, Size: 32 x 32 cm Capacity for flask: 25mL x 21 pcs, 50mL x 15 pcs, 100mL x 12 pcs, 250mL x 6 pcs, 500mL x 4 pcs
6	Lengthways roller attachment	SK330.3,, mainly used for separation funnel oscillation extraction applications 500mL x 3 pcs, 250mL x 4 pcs, 100/125mL x 4 pcs, 50mL x 5 pcs
7	Bar	Bar for SK330.1 universal attachment
8	sticks	Connect sticks for double dishes shaker
9	Fixing clip attachment	SK330.2, Size: 32 x 32 cm
10	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
12	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
13	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
14	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



ACCESSORIES FOR PURCHASE BFL1E2

No	Name	Description
1	Dish attachment	SK180.4, Dish attachment with non-slip mat Dimension (WxD): 24x21.5 cm
2	Transparent Cover	SK180.5 Transparent Cover for Syphilis Serum Test, 32x32x8.3 cm
3	Silicone mattress	for 10 x 5~10 mL tubes
4	Silicone mattress	for 4 x 50 mL tubes
5	Universal attachment with 3 bars	SK180.1, Size: 25x24.5 cm Capacity for flask: 25 mLx10 pcs, 50 mLx8 pcs, 100 mLx6 pcs, 250 mLx4 pcs, 500 mLx2 pcs
6	Lengthways roller attachment	SK180.3,, mainly used for separation funnel oscillation extraction applications 500 mLx2 pcs, 250 mLx3 pcs, 100/125 mLx3 pcs, 50 mLx4 pcs
7	Bar	Bar for SK180.1 universal attachment
8	sticks	Connect sticks for double dishes shaker
9	Fixing clip	SK180.2, Fixing clip attachment Size: 25 x 24 cm
10	Fixing clip	For flask volume 25 mL, used with SK330.2 [28 pcs], SK180.2 [9 pcs]
11	Fixing clip	for flask volume 50 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]

12	Fixing clip	for flask volume 100 mL, used with SK330.2 [16 pcs], SK180.2 [9 pcs]
13	Fixing clip	for flask volume 200/250 mL, used with SK330.2 [9 pcs], SK180.2 [4 pcs]
14	Fixing clip	for flask volume 500 mL, used with SK330.2 [9 pcs], SK180.2 [2 pcs]



APPLICATIONS

Suitable for mixing in culture dishes, flasks and beakers. Ideal for aeration and extraction applications. It can be used in environmental chambers and CO2 incubators.

ORBITAL SHAKER BGI2O1 TO BGI2O6

ORBITAL SHAKER

This instruments high-end brand, specialized in providing general lab equipment like high performance dry oven, vacuum oven, CO2 incubator, low temp. incubator, thermostat incubator, constant humidity chamber, drug stabilization chamber, shaker, orbital shaker etc. Devote to provide user intelligent, professional, humanized lab instruments, which meets modern laboratory high end application.



Adopt single-axis drive and balancing technology, smooth running, low consumption and low noise.

Micro-computer control frequency and time, built in power off protection, it can resume work after normal power supply.

Large LCD screen can display frequency and time, menu operate interface, easily to understand.

24V DC control guaranty safety use.

Brushless DC motor, large start torque, wide speed adjustment, free maintenance.

Adjustable motor start-up torque to avoid overload samples that can not start the instrument.

Vibration imbalance detection. When shaker vibrates fiercely, the instrument stops automatically and smoothly.

SPECIFICATIONS

Model	BGI201	BGI202	BGI203
Old Model	BSOT-1601	BSOT-1602	BSOT-1603
Speed range	40 - 250rpm	40 - 300rpm	
Frequency accuracy	±1rpm		
Amplitude	20mm		
Max loading capacity	2000ml	4000ml	9000ml
Display	LCD screen		
Timer	1 - 99h59min		
Platform sizes (mm)	250x250	350x350	450x450

Overall size WxDxH (mm)	290x375x110	390x495x125	490x605x137
Rated power	60W		
N.W	20 Kg	30 Kg	40 Kg
Power requirement	AC220V/50Hz		
Standard configuration	250mlx8pcs	250mlx13pcs	250mlx18pcs
Alt Name	Orbital Shaker		
Model	BGI204	BGI205	BGI206
Old Model	BSOT-1604	BSOT-1605	BSOT-1606
Speed range	40 - 250rpm	40 - 500rpm	
Frequency accuracy	±1rpm		
Amplitude	4mm	5mm	
Max loading capacity	2000ml	4000ml	9000ml
Display	LCD screen		
Timer	1 - 99h59min		
Platform sizes (mm)	250x250	350x350	450x450
Overall size WxDxH (mm)	290x375x110	390x495x125	490x605x137
Rated power	60W		
N.W	20 Kg	30 Kg	40 Kg
Power requirement	AC220V/50Hz		
Standard configuration	250mlx8pcs	250mlx13pcs	250mlx18pcs
Alt Name	Orbital Shaker		



ACCESSORIES FOR PURCHASE BGI201

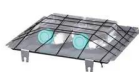
No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform
8	Sticky pad



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No	Name
1	50ml*16pcs

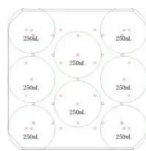
2	100ml*9pcs
3	250ml*8pcs
4	500ml*4pcs



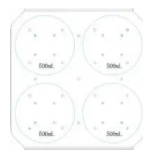
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ACCESSORIES FOR PURCHASE BGI2O2

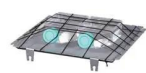
No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform
8	Sticky pad



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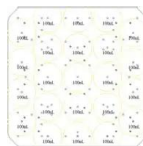


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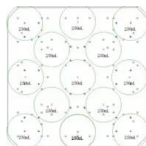
No	Name
1	50ml*36pcs
2	100ml*23pcs
3	250ml*13pcs
4	500ml*8pcs
5	1000ml*4pcs
6	2000ml*1pcs



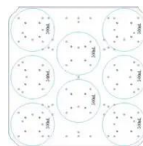
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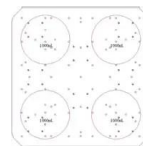
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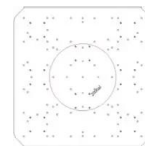
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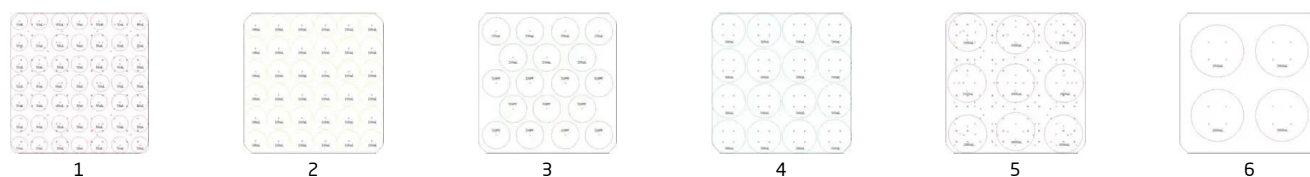
ACCESSORIES FOR PURCHASE BGI2O3

No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack

7	Universal platform
8	Sticky pad



No	Name
1	50ml*49pcs
2	100ml*36pcs
3	250ml*18pcs
4	500ml*16pcs
5	1000ml*9pcs
6	2000ml*4pcs



ACCESSORIES FOR PURCHASE BGI2O4 BGI2O5 BGI2O6

No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform
8	Sticky pad



FEATURES

Adopt single-axis drive and balancing technology, smooth running, low consumption and low noise.

Micro-computer control frequency and time, built in power off protection, it can resume work after normal power supply.

Large LCD screen can display frequency and time, menu operate interface, easily to understand.

24V DC control guaranty safety use.

Brushless DC motor, large start torque, wide speed adjustment, free maintenance.

Adjustable motor start-up torque to avoid overload samples that can not start the instrument.

Vibration imbalance detection. When shaker vibrates fiercely, the instrument stops automatically and smoothly.

Many kinds of clamps and racks for selection, and the change of these parts are very easily, improve work efficient. Programmable controller can simplified the experiment process, realize automatically control and running. RS-232 and USB can be selected one of them, connect with computer, instruments can be monitored the time, alarm and rotation speed.

Safety:

Protection on key components: Key components have over current, over temp, over load etc. safety protection, it can prevent instruments accidents without precautions.

Breakdown message provided: When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Intelligent:

Colorful touch screen or LCD controller, menu type operation interface makes operation simple and easily.

With preset start, standby and end function.

Multi phase temp. speed, time and heating etc parameters can be set and programmable at the same time, simplified complicated experiments process.

With App running control and monitoring function.

Profession:

Adopt international standard DIN-12880-2007 test and manufacturing.

Offer temp. shake speed, timer control and working chamber temperature is uniform.

Observe the samples through glass windows, which would not affect working chamber temperature.

Shake speed can be controlled to ensure liquid won't be out to damage the instruments.

Uninterrupted running: Low heat DC motor, large start torque, wide speed adjustment, free maintenance.

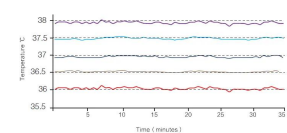
Colorful intelligent touch screen



LCD screen controller professional type

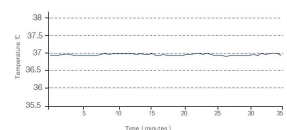


Precise temperature control



Shaker inner chamber temp. uniformity $\leq \pm 1$ degree C to ensure all samples temp. are uniform.

Note: Temp. accuracy and uniformity should be tested in stable status.



Shaker inside chamber temp. accuracy is ± 0.1 Degree C, ensure the experiment is stable.

APPLICATIONS

Orbital shaker controls the orbital movements frequency to make material dissolution, liquid mixing, microbial culture and plant tissue culture circulate in an experimental container. It is widely used in plants incubate, fermentation, hybridization, bacterial culture, biochemical reactions, enzyme and tissue research or small production of biological samples.

MORE INFO

Model	BS1	BS2	BS3
Universal Platform WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Spring Wire Rack WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Universal Attachment WxDxH(mm)			
250x250x85	yes		
350x350x100		yes	
450x450x100			yes
Cell Culture Spring Rack WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Rubber Mat WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Individual Flask Clamps (ml)			
50ml	16	36	49
100ml	9	23	36
250ml	13	13	18
500ml	4	8	16
1000ml	-	4	9
2000ml	-	1	4
Test Tube Rack			
Φ8mmx105			
Φ10mmx72			
Φ12mmx72			
Φ14mmx42			
Φ17mmx26	2	3	4
Φ25mmx14			
Φ30mmx12			
Φ35mmx10			
Φ50mmx4			
Sticky Pad WxD(mm)			
140x140	1	4	9

ORBITAL SHAKER BEM2CF1 TO BEM2CF4

ORBITAL SHAKER

Our product is an accurately designed, microprocessor controlled with a double Decker platform to save your valuable lab space. Three eccentric shaft balancing drive ensure shaking with uniform speed. Speed adjustment settings permit both gentle and vigorous shaking. Varieties of platforms are available for different glassware and vessels.



PID microprocessor control.
Advanced unishaft drive, low noise.
Eight self-compiled programs, with different speed and time settings.
Automatic operation, auto-stop, timing, time display, parameters memory and recovery function.
Independent over-speed audio and visual alarm, independent leakage protection device.
Automatic power-off protection system when the motor is overheating and temperature is out of control.

SPECIFICATIONS

Model	BEM2CF1	BEM2CF2	BEM2CF3	BEM2CF4
Speed Range	50~300 rpm	50~250 rpm	50~300 rpm	50~250 rpm
Maximum Configuration	250 mlx54 or 500 mlx35 or 1000 mlx24 or 5000 mlx6		250 mlx96 or 500 mlx60 or 1000 mlx40 or 5000 mlx15	
Shaking Speed Accuracy	±1 rpm			
Timing Range	0~500 h			
Motion	Orbital			
Vibrational Amplitude (mm)	Φ50 mm	Φ100 mm	Φ50 mm	Φ100 mm
Circulation Mode	Natural convection			
Drive Mode	Unishaft drive			
External Material	Cold-rolled steel with anti-bacterial power coating			
Platform Dimension	840x620 mm		1108x740 mm	
Overall Dimension	900x650x480 mm		1210x775x480 mm	
Package Dimension	1000x750x630 mm		1310x875x630 mm	
Weight	250 kg	300 kg	305 kg	
Power	150 W		280 W	
Standard Configuration	250 mlx54		250 mlx96	
Power Supply	AC110V/220V±10%,50/60Hz			
Alt Name	Orbital Shaker			

APPLICATIONS

Stability, Dissolution Studies, Liquid Extractions, Protein Precipitation, Small Peptide Synthesis, Dilutions

ORBITAL SHAKER BEM2CG1 TO BEM2CG4

ORBITAL SHAKER

Our product is an accurately designed, microprocessor controlled with a double Decker platform to save your valuable lab space. Three eccentric shaft balancing drive ensure shaking with uniform speed. Speed adjustment settings permit both gentle and vigorous shaking. Varieties of platforms are available for different glassware and vessels.



PID controller.

Soft shaking mode, stable and reliable operation.

Eight self-compiled programs, with different speed and time setting.

Automatic operation, auto-stop, timing, time display, parameters memory and recovery function.

Automatic power-off protection system when the motor is overheating and temperature is out of control.

SPECIFICATIONS

Model	BEM2CG1	BEM2CG2	BEM2CG3	BEM2CG4
Speed Range	50~300 rpm		50~250 rpm	
Maximum Configuration	250 mlx108 or 500 mlx70 or 1000 mlx48	250 mlx192 or 500 mlx120 or 1000 mlx80	250 mlx300 or 500 mlx216 or 1000 mlx112	250 mlx450 or 500 mlx324 or 1000 mlx168
Shaking Speed Accuracy	±1 rpm			
Timing Range	0~500 h			
Motion	Orbital			
Vibrational Amplitude (mm)	Φ50 mm			
Circulation Mode	Natural convection			
Drive Mode	Unishaft drive		Multi-dimensional driving	
Shaking Plate Quantity	2 pcs		4 pcs	6 pcs
External Material	Cold-rolled steel with anti-bacterial power coating			
Platform Dimension	840x620 mm	1108x740 mm	1080x680 mm	
Overall Dimension	910x680x820 mm	1270x810x425 mm	1590x1120x950 mm	1470x1110x1320 mm
Package Dimension	1010x780x970 mm	1370x910x575 mm	1690x1220x1000 mm	1570x1210x1470 mm
Display	LCD			
Weight	305 kg	557 kg	830 kg	950 kg
Power	280 W		750 W	1100 W
Standard Configuration	250 mlx54, 500 mlx35	250 mlx86, 500 mlx60	250 mlx150, 500 mlx108	250 mlx225, 500 mlx162
Power Supply	AC110V/220V±10%,50/60Hz			
Alt Name	Orbital Shaker			



BEM2CG1 BEM2CG2 BEM2CG3



BEM2CG4

APPLICATIONS

Stability, Dissolution Studies, Liquid Extractions, Protein Precipitation, Small Peptide Synthesis, Dilutions



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