



Orbital Shaker

Shaker Incubator

Chest Type Shaker Incubator

Single Door Vertical Shaker Incubator

Double Door Vertical Shaker Incubator

Single/Double Layers Shaker

Magnetic Stirrer



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being Professional Instrument Supplier



Being brief introduction

Being is Yiheng instruments high-end brand, specialized in providing general lab equipments 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.

Orbital shaker and shaker incubator

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

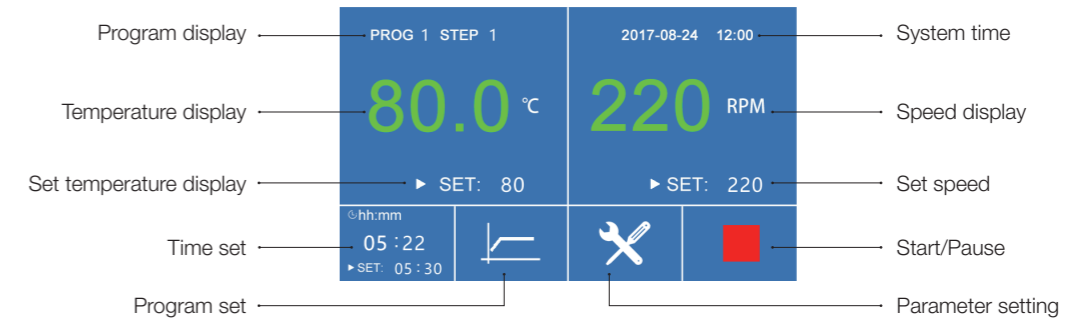
Profession

- 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.

Safety

- **Protection on instruments:** Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.
- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

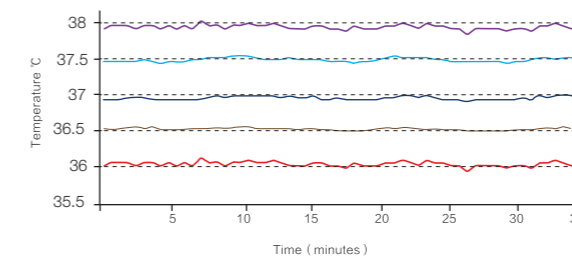
Colorful intelligent touch screen (Advanced)



LCD screen controller professional type

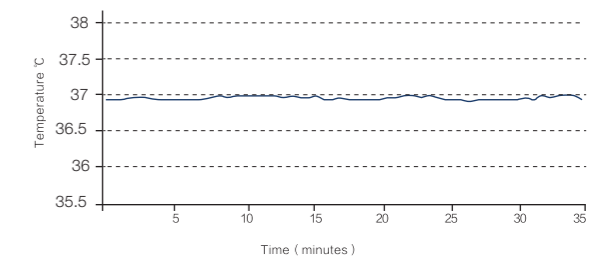


Precise temperature control



Shaker inner chamber temp. uniformity ± 1 °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 °C, ensure the experiment stable.



Orbital shaker



LCD screen

Application

Orbital shaker controls the orbital movements frequency to make material dissolution, liquid mixing, microbial culture and plant tissue culture circulate in 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.

Feature

- 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 over load 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.

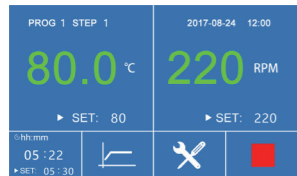
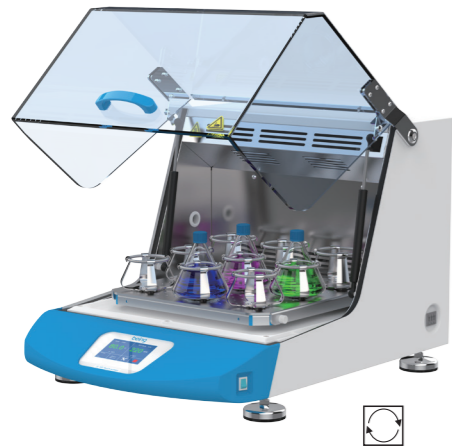


Orbital shaker

Technical parameters

Model	BS-1	BS-2	BS-3	BS-15	BS-25	BS-35
Points	40~250rpm	40~300rpm		40~500rpm		
Rotation speed	±1rpm					
Frequency accuracy	20mm			4mm	5mm	5mm
Amplitude	2000ml	4000ml	9000ml	2000ml	4000ml	9000ml
Max loading capacity	LCD screen					
Display	1~99h59min					
Shelves sizes (mm)	250×250	350×350	450×450	250×250	350×350	450×450
Overall size W×D×H (mm)	290×375×110	390×495×125	490×605×137	290×375×110	390×495×125	490×605×137
Rated power	60W					
N.W	20 Kg	30Kg	40 Kg	20 Kg	30Kg	40 Kg
Powder requirement	AC220V/50Hz					
Standard configuration	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×8pcs	250ml×13pcs	250ml×18pcs

Shaker incubator



Colorful intelligent touch screen

Application

Shaker incubator combines incubator and shaker functions together, it provides accurate temp. control, realizes shake incubating and meet bacterium, microbe suspension incubate requirements. It is ideal instruments for Cell culture, fermentation, biochemistry, water quality analysis, plant cultivation and breeding.

Technical breakthroughs

Unique air flow technology

- Adopts continuous flow fan technology, air stability, no turbulence, temperature is uniform;
- Cycle fan speed can be automatically controlled, it can avoid the samples volatile too fast due to cycle fan is too fast.

Patented single-axis drive technology

- Patented single-axis drive and balancing technology, running stable ,low noise and low consumption

Pneumatic support technology

- Adopts pneumatic support, transparent cover height can be adjustable to any position, convenient the operation

Large screen LCD display

- Colorful touch screen can continuously, accurately and real-time display temp., rotation speed and work time. The menu operation interface is easy to understand.

Technical features

Humanization design

- Combine incubator, shaker functions together with small space
- Patented overall design, transparent big view windows, dynamic master the culture effect.
- With reserve test hole, outer sensors can access to test the inner cabinet temperature(Option)
- Shaking platform and chamber are made of stainless steel, anti-corrosion and easy to clean
- Standard configuration is universal clamp, it can used for different vessel with different volume

Uninterrupted performance guaranty

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

Safety

- **Protection on instruments:** Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.
- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Convenient data process

- Equip with USB as options, record temp. parameter changes(Option)
- Equip with RS232 data interface, through software to remote control machine performance (option)
- Above two options can be selected only one

Shaker incubator

Technical parameters

Model	BSI-1	BSI-2	BSI-3	BSI-3C	BSI-15	BSI-25	BSI-35	BSI-35C
Temp. range	RT+5~65°C		4~65°C		RT+5~65°C			4~65°C
Temp. control accuracy	0.1°C							
Rotation frequency	40~250rpm	40~300rpm			40~500rpm			
Frequency accuracy	±1rpm							
Platform size(mm)	250×250	350×350	450×450	450×450	250×250	350×350	450×450	450×450
Inside height (mm)	195	265	330	330	195	265	330	330
Overall size W×D×H(mm)	390×590×370	490×690×450	590×825×550	590×975×550	390×590×370	490×690×450	590×825×550	590×975×550
N.W	32 Kg	42 Kg	52 Kg	75 Kg	32 Kg	42 Kg	52 Kg	75 Kg
Amplitude	20mm				4mm	5mm	5mm	5mm
Running time	1-99h59min							
Powder requirement	AC220V/50Hz							
Rated power	450W	650W	1000W	1300W	450W	650W	1000W	1300W
Standard configuration	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×18pcs	250ml×8pcs	250ml×13pcs	250ml×18pcs	250ml×18pcs

Chest type shaker incubator



Colorful intelligent touch screen

Application

Floor standing Shaker incubator combines incubator and shaker functions together, it uses new outlook design with big touch screen,. Adopt the latest technology of motor driven system, large torque, stable work, low noise and fast heat dissipation and long lifetime. It is widely used Cell culture, fermentation, biochemistry, enzyme research experiment or medium production experiment. Especially suitable for medium production, it solves the user's problem by advanced design and high precise manufacturing art craft.

Product features

Colorful intelligent touch screen control

- Adopt 4.3 inches touch screen , intelligent touch screen control, parameters real time display, operation easily;
- Temp., rotation speed and time etc parameters fast setting

Humanization design

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi data display at one screen, easily to observe and operate.
- Silent running
- Fluorine-free design, environmental friendly
- Big transparent big view windows, platform and chamber are made of stainless steel, anti-corrosion and easy to clean.

Quality guaranty

- User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on.
- PID microcomputer control temp. and shake frequency with timer.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants

Uninterrupted performance guaranty

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

Three-eccentric axis balance drive

- Three-eccentric axis balance drive ensures all samples in the shaker platform movements at the same rotation frequency. Durable structure guarantees the shaker incubator can work properly no matter full load or high speed working.

Convenient data process

- Equip with USB as options, record temp. parameter changes(Optional)
- Equip with RS232 data interface, through software to remote control machine performance (option)
- Above two options can be selected only one

Safety

- **Protection on instruments:** Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.
- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Multi-segment programmable control

- Multi-segment temp., speed, time program at the same time. It has normal mode or programmable mode for running. Preset parameter and work data can be shown at the same time. It simplified complicated culture requirements and realize auto control and run.

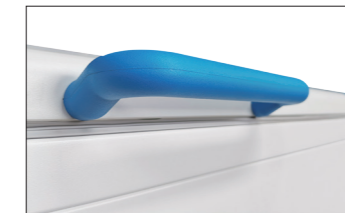
Feature extension(Optional)

- CO₂ concentration monitor and control
- Lighting control
- Humidity monitor and control

Chest type shaker incubator



USB interface



PU foamed handle



25mm test hole



304 mirror stainless steel



Pneumatic gas spring holder



Pressure balance hole

Technical parameters

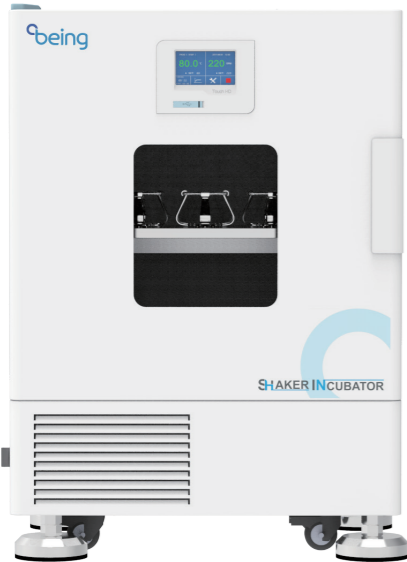
Model	BSI-21	BSI-31	BSI-21C	BSI-31C
Power supplies	AC220V 50HZ			
Shake frequency	40 ~ 300 rpm			
Amplitude	26mm			
Control temp. range	RT+5 ~ 80°C		4 ~ 80°C	
Temp. resolution	0.1°C			
Timer range	1-99h59min			
Rated power	1050W		1300W	
Shelves size (mm)	750x460	920x500	750x460	920x500
Overall size WxDxH (mm)	1060x680x910	1200x730x930	1060x680x910	1200x730x930
Standard configuration	250mlx28	250mlx45	250mlx28	250mlx45

With "C" means the model with refrigeration function

Max. triangular flask clips can be placed (single layer)

Model	BSI-21 BSI-21C	BSI-31 BSI-31C
50 ml	82	116
100 ml	50	66
250 ml	28	45
500 ml	23	28
1000 ml	15	18
2000 ml	8	13

Small vertical shaker incubator



Application

Widely used in cell culture, fermentation, hybridization, biochemistry and cell tissue research with high temperature and concussion frequency. It can culture microbial cells and various type of bacteria in static and movement, especially suitable for laboratory pilot production.

Product features

Colorful intelligent touch screen control

- Adopt 4.3 inches touch screen , intelligent touch screen control, parameters real time display, operation easily;
- Temp., rotation speed and time etc parameters fast setting

Humanization design

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi datas display at one screen, easily to observe and operate.
- Fluorine free design
- Large toughened glass windows provides users observe the samples status with good insulation when instruments working
- Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient
- Inner chamber, shaker platform and shelves are made of 304 stainless steel
- On the left of chamber is placed with 50mm test hole

Quality guaranty

- User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on.
- PID microcomputer control temp. and shake frequency with timer.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants

Uninterrupted performance guaranty

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

Safety

- **Protection on instruments:** Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.
- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.

- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Three-eccentric axis balance drive

- Three-eccentric axis balance drive ensures all samples in the shaker platform movements at the same rotation frequency. Durable structure guarantees the shaker incubator can work properly no matter full load or high speed working.

Multi-segment programmable control

- Multi-segment temp., speed, time program at the same time. It has normal mode or programmable mode for running. Preset parameter and work data can be shown at the same time. It simplified complicated culture requirements and realize auto control and run.

Feature extension(Option)

- CO² concentration monitor and control
- Lighting control(Stimulate the nature growth environment)
- Humidity monitor and control

Small vertical shaker incubator

Technical parameters

Model	BSI-9	BSI-9C	BSI-30	BSI-30C
Power supplies	AC220V 50HZ			
Shake frequency	40~300rpm			
Amplitude	20mm			
Control temp. range	RT+5~65℃	4~65℃	RT+5~65℃	4~65℃
Temp. resolution	0.1℃			
Timer range	0~99 h 59min			
Shelves size (mm)	400×340	400×340	500×350	500×350
Overall size W×D×H (mm)	635×714×1055	635×714×1055	725×720×1150	725×720×1150
Rated power	750W	950W	1100W	1300W

Large vertical shaker incubator



Application

Widely used in cell culture, fermentation, hybridization, biochemistry and cell tissue research with high temperature and concussion frequency. It can culture microbial cells and various type of bacteria in static and movement, especially suitable for laboratory pilot production.

Product features

Colorful intelligent touch screen control

- Adopt 4.3 inches touch screen , intelligent touch screen control, parameters real time display, operation easily;
- Temp., rotation speed and time etc parameters fast setting

Humanization design

- Combine incubator, shaker functions together with small space, huge capacity.
- Colorful touch screen controller, menu operation interface, multi datas display at one screen, easily to observe and operate.
- Fluorine free design
- Large toughened glass windows provides users observe the samples status with good insulation when instruments working
- Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient
- Inner chamber, shaker platform and shelves are made of 304 stainless steel
- On the left of chamber is placed with 50mm test hole
- Quality assurance

Quality guaranty

- User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on.
- PID microcomputer control temp. and shake frequency with timer.
- Compressor and cycle fan etc key components are reliable suppliers, environmental non-free refrigerants

Uninterrupted performance guaranty

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

Safety

- **Protection on instruments:** Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.
- **Protection on key components:** Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.
- **Protection on samples:** Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.
- **Protection on operator:** Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.
- **Breakdown message provided:** When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

Large vertical shaker incubator

Technical parameters

Model	BSI-52	BSI-52C	BSI-72	BSI-72C
Technical points	40~300rpm			
Power supplies	±1rpm			
Shake frequency	26mm			
Amplitude	RT+5~65°C	4~65°C	RT+5~65°C	4~65°C
Control temp. range	±0.1°C			
Temp. resolution	at 37°C±0.8°C			
Timer range	0~99 h 59min			
Shelves size (mm)	750×460 (double shelves)		920×500 (double shelves)	
Overall size W×D×H (mm)	1030×875×1370		1200×875×1370	
Rated power	1900W	2250W	1900W	2250W
Standard configuration	250mL×56pcs		250mL×90pcs	

Note: If racks and clamps need to be made to customers requirements, the physical loading quantity is subject to customer requirements.

Max. triangular flask clips can be placed (single layer)

Model		Large vertical shaker incubator		Small vertical shaker incubator	
		BSI-52 BSI-52C	BSI-72 BSI-72C	BSI-9 BSI-9C	BSI-30 BSI-30C
Triangular flask (pcs)	50 mL	82	116	29	37
	100 mL	50	66	18	22
	250 mL	28	45	11	14
	500 mL	23	28	7	10
	1000 mL	12	18	4	6
	2000 mL	6	10	-	-

shaker



Application

Being shaker incubator adopts new outlook, large LCD screen, latest technology of motor driven system, Large torque, stable operation, low noise, fast heat dissipation and long service life. It is widely used in cell culture, fermentation, hybridization, biochemistry and enzyme research etc that need shaker function in laboratory experiment or pilot experiment.

Features

Colorful intelligent touch screen control

- Adopt 4.3 inches touch screen , intelligent touch screen control, parameters real time display, operation easily;
- Temp., rotation speed and time etc parameters fast setting

Humanization design

- Silent working
- Colorful touch screen display, multi data display at one screen, easily to observe and operate.
- Platform is stainless steel, easy to detach and clean.
- Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient

Quality guaranty

- User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on.
- PID microcomputer control temp. and shake frequency with timer, it starts shake gently to prevent liquid coming out from the vessels and stop the machine working.
- With rotation speed monitoring circuit. When the instrument detects rotation speed is too fast or too slow, it can stop shaking to ensure no accident occur.

Uninterrupted performance guaranty

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

Three-eccentric axis balance drive

- Three-eccentric axis balance drive ensures all samples in the shaker platform movements at the same rotation frequency. Durable structure guarantees the shaker incubator can work properly no matter full load or high speed working.

Multi-segment programmable control

- Multi-segment temp., speed, time program at the same time. It has normal mode or programmable mode for running. Preset parameter and work data can be shown at the same time. It simplified complicated culture requirements and realize auto control and run.

Convenient data process

- Equip with USB as options, record temp. parameter changes(option)
- Equip with RS232 data interface, through software to remote control machine performance (option)
- Above two options can be selected only one

shaker

Technical parameters

Model	BS-21 Single shelf	BS-22 Double shelves	BS-31 Single shelf	BS-32 Double shelves
Rotation speed	40-300rpm			
Amplitude	26mm			
Timer range	1~99 h 59min			
Max load	250ml×48pcs or 500ml×30pcs or 1000ml×20pcs or 2000ml×12pcs (single shelf)		250ml×63pcs or 500ml×35pcs or 1000ml×35pcs or 2000ml×16pcs (single shelf)	
Shelves size (mm)	800×600		920×640	
Shelve quantity	1pcs	2pcs	1pcs	2pcs
Overall size W×D×H(mm)	895×740×460	895×740×900	1115×835×460	1115×835×900
Rated power	250W			
Power supplies	AC220V 50HZ			
Standard configuration	500ml×30pcs(single shelf)		1000ml×35pcs(single shelf)	

Magnetic stirrer (Ceramic platform)



Application

Magnetic stirrer is working by micromotors driving high temperature-resistant, powerful magnets rotating, create rotating magnetic field to lead the agitator in the container to stir, mix or assist heating the liquid in the container so that the solution can be fully mixed at the set temperature. It can be widely used in biological, pharmaceutical and chemical fields.

Feature

Humanization design

- LCD screen ,menu operation interface, temp, rotation speed and count down timer etc parameters display at one screen. It is easy to understand and operate.
- Micro computer control assures the speed remains stable with constantly changing stirring viscosity.
- Aluminium die-cast housing cover, high temperature-resistant and anti-corrosion, easy to clean.
- Platform is made of one molding ceramic materials. It has both good thermal effect, but also have corrosion resistance, smooth platform is easy to clean, no contaminants stay.
- Large output torque, suitable for mixing low viscosity large capacity or high viscosity small capacity liquid.(Different types of different capacities)
- There is a corrosion-resistant guide groove above the control panel, even if the liquid overflows during stirring, it doesn't cause damage to the electronics in the agitator.
- Brushless DC motor, work more stably, long life and control more accurate.

Safety protection

- Temperature deviation protection:07A/B and 09A/B T series measured temperature over set temperature certain value(0°C -30°C), it stops heating.
- Extreme ultra-temp. protection: When platform temp is over set temp, it stop heating power.
- Anti-hot warming light: 07A/B and 09A/B T series platform temp. over 55°C , warming light flash to remind user can't touch the platform.
- Special protection: Anti- hot cover (Option)

Ceramic magnetic stirrer classification

- Constant temp. magnetic stirrer: 07A and 09A T series with outer temp. sensor, it can detects and controls liquid temp. in the container, precise and reliable.
- Heating magnetic stirrer:07B and 09B T series platform temp. max reach 400°C
- Magnetic stirrer:09C T series no heating function, only stir.

Magnetic stirrer (Ceramic platform)

Technical parameters

Model	BM-07A3T	BM-07B3T	BM-09A5T	BM-09B5T	BM-09A12T	BM-09B15T	BM-09C10T	BM-09C15T
Max mix capacity	3	3	5	5	12	15	10	15
Speed range	200~2000rpm							
Heating power	400W	400W	800W	800W	1200W	1200W	—	—
Input power	500W	500W	900W	900W	1300W	1300W	100W	100W
Solution control temp.	RT+5 ~ 200°C	—	RT+5 ~ 200°C	—	RT+5 ~ 200°C	—	—	—
Platform control temp.	—	RT+5 ~ 320°C	—	RT+5 ~ 320°C	—	RT+5 ~ 380°C	—	
Control temp accuracy	±5°C	±15°C	±5°C	±15°C	±5°C	±15°C	—	
Platform size(mm)	100×100			180×180				
Overall size W×D×H(mm)	150×250×110			210×330×130				
Net weight	4.5Kg	4Kg	5.5Kg	5Kg	5.5Kg	5Kg	5Kg	5Kg

Note: Measured by H₂O, the viscosity of the liquid will vary from stirring capacity.

Magnetic stirrer (Square platform)



Magnetic stirrer to measure liquid temp.



Hot plate

Application

The magnetic stirrer rotates the rotor through the rotation of the base, realizes the mixing of the liquid and solid mixture. During stirring, it comes with platform heating, which control temp stable and speed up the rate of mixing or solid solution, and improve the reaction speed of chemical experiments. It is widely used in biology, medicine, chemistry and other fields.

Feature

Humanization design

- LCD screen ,menu operation interface, temp, rotation speed and count down timer etc parameters display at one screen. It is easy to understand and operate.
- Micro computer control assures the speed remains stable with constantly changing stirring viscosity.
- Stirring speed is controlled and stable, it can fast achieve liquid mixing and solution and solid mixture mixing .
- Aluminium die-cast housing cover, high temperature-resistant and anti-corrosion, easy to clean.
- Platform is made of one molding aluminium alloy materials. It has both good thermal effect, but also have corrosion resistance, smooth platform is easy to clean, no contaminants stay.
- Large output torque, suitable for mixing low viscosity large capacity or high viscosity small capacity liquid.(Different types of different capacities)
- There is a corrosion-resistant guide groove above the control panel, even if the liquid overflows during stirring, it doesn't cause damage to the electronics in the agitator.

Safety protection

- 50% increase in temperature tolerance with the latest optocoupler materials.
- Temperature deviation protection: 09A/B series measured temperature over set temperature certain value(0 °C -30 °C), it stops heating.
- Extreme ultra-temp. protection: When platform temp is over set temp, it stop heating power.
- Anti-hot warning light: 09A/B series platform temp. over 55°C , warning light flash to remind user can't touch the platform.
- Special protection: Anti- hot cover (Option)

Ceramic magnetic stirrer classification

- Constant temp. magnetic stirrer: BM- 07A and BM-09A series with outer temp. sensor, it can detects and controls liquid temp. in the container, precise and reliable.
- Heating magnetic stirrer:BM-09B series platform temp. max reach 400°C

Magnetic stirrer (Square platform)

Technical parameters

Model	BM-07A3	BM-09A5	BM-09A12	BM-07B3	BM-09B5	BM-09B15
Max mix capacity	3	5	12	3	5	15
Speed range	200~2000rpm					
Heating power	450W	550W	600W	450W	550W	600W
Input power	500W	600W	650W	500W	600W	650W
Solution control temp.	RT+5 ~ 200°C			—		
Platform control temp.	—			RT+5 ~ 320°C		
Control temp accuracy	±5°C			±15°C		
Platform size (mm)	130×130	180×180	180×180	130×130	180×180	180×180
Overall size W×D×H (mm)	150×250×110	210×330×130	210×330×130	150×250×110	210×330×130	210×330×130
Net weight	4.0Kg	5.0Kg	5.0Kg	3.5Kg	4.5Kg	4.5Kg

Note: Measured by H₂O, the viscosity of the liquid will vary from stirring capacity.

Magnetic stirrer (Round platform)



Magnetic stirrer to measure liquid temp.



Hot plate

Application

Magnetic stirrer is working by micromotors driving high temperature-resistant, powerful magnets rotating, create rotating magnetic field to lead the agitator in the container to stir, mix or assist heating the liquid in the container so that the solution can be fully mixed at the set temperature. It can be widely used in biological, pharmaceutical and chemical fields.

Feature

Humanization design

- LCD screen ,menu operation interface, temp, rotation speed and count down timer etc parameters display at one screen. It is easy to understand and operate.
- Micro computer control assures the speed remains stable with constantly changing stirring viscosity.
- Stirring speed is controlled and stable, it can fast achieve liquid mixing and solution and solid mixture mixing .
- Aluminium die-cast housing cover, high temperature-resistant and anti-corrosion, easy to clean.
- Platform is made of one molding aluminium alloy materials. It has both good thermal effect, but also have corrosion resistance, smooth platform is easy to clean, no contaminants stay.
- Large output torque, suitable for mixing low viscosity large capacity or high viscosity small capacity liquid.(Different types of different capacities)
- There is a corrosion-resistant guide groove above the control panel, even if the liquid overflows during stirring, it doesn't cause damage to the electronics in the agitator.

Safety protection

- Temperature deviation protection:08A/B series measured temperature over set temperature certain value(0 °C -30 °C), it stops heating.
- Extreme ultra-temp. protection: When platform temp is over set temp, it stop heating power.
- Anti-hot warning light: 08A/B series platform temp. over 55°C , warning light flash to remind user can't touch the platform.
- Special protection: Anti- hot cover (Option)

Ceramic magnetic stirrer classification

- Constant temp. magnetic stirrer: BM-08A series with outer temp. sensor, it can detects and controls liquid temp. in the container, precise and reliable.
- Heating magnetic stirrer:BM-08B series platform temp. max reach 400°C
- Magnetic stirrer:BM-08C series no heating function.

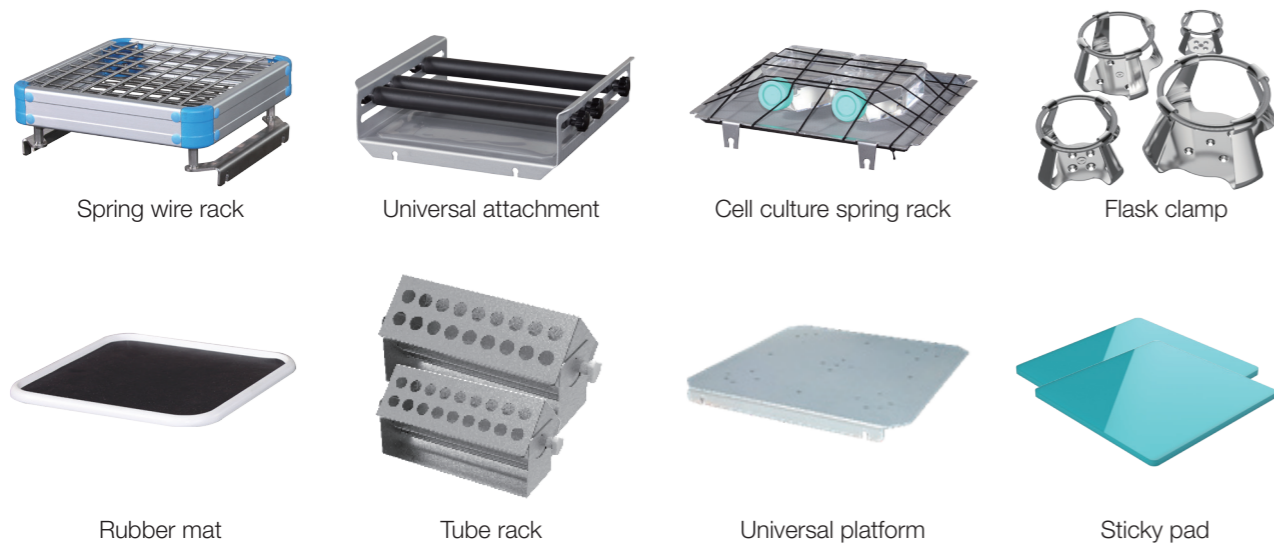
Magnetic stirrer (Round platform)

Technical parameters

Model	BM-08A3	BM-08B3	BM-08C5
Max mix capacity	3		5
Speed range	200~2000rpm		
Heating power	550W		—
Input power	600W		50W
Solution control temp.	RT+5 ~ 200°C	—	—
Platform control temp.	—	RT+5 ~ 320°C	—
Control temp accuracy	±5°C	±15°C	—
Platform size (mm)	Φ 145		
Overall size W×D×H(mm)	150×250×130		
Net weight	4.0Kg	3.5Kg	

Note: Measured by H₂O, the viscosity of the liquid will vary from stirring capacity.

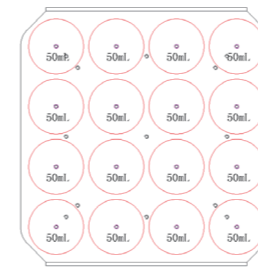
Orbital shaker & Shaker incubator accessories and configuration



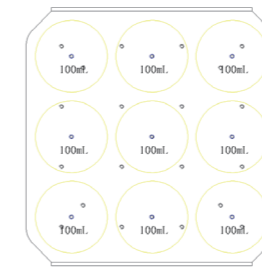
Model		BS-1	BS-2	BS-3	BIS-1	BIS-2	BIS-3
Universal Platform WxD(mm)	250×250	√			√		
	350×350		√			√	
	450×450			√			√
Spring Wire Rack WxD(mm)	250×250	√			√		
	350×350		√			√	
	450×450			√			√
Universal Attachment WxDxH(mm)	250×250×85	√			√		
	350×350×100		√			√	
	450×450×100			√			√
Cell Culture Spring Rack WxD(mm)	250×250	√			√		
	350×350		√			√	
	450×450			√			√
Rubber Mat WxD(mm)	250×250	√			√		
	350×350		√			√	
	450×450			√			√
Individual Flask Clamps (mm)	50ml	16	36	49	16	36	49
	100ml	9	23	36	9	23	36
	250ml	8	13	18	5	13	18
	500ml	4	8	16	4	8	16
	1000ml	-	4	9	-	4	9
	2000ml	-	1	4	-	-	4
Test Tube Rack	Φ8mm×105	2	3	4	2	3	4
	Φ10mm×72						
	Φ12mm×72						
	Φ14mm×42						
	Φ17mm×42						
	Φ25mm×14						
	Φ30mm×12						
	Φ35mm×10						
Φ50mm×4							
Sticky Pad WxD(mm)	140×140	1	4	9	1	4	9

Flask clamp placement diagram

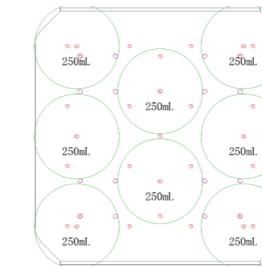
BS-1/BIS-1



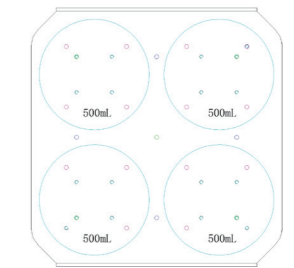
50ml*16pcs



100ml*9pcs



250ml*8pcs

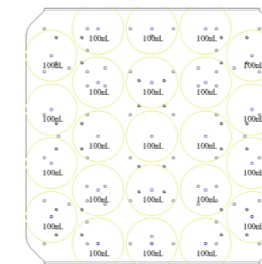


500ml*4pcs

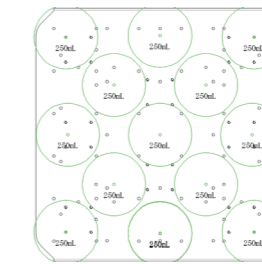
BS-2/BIS-2



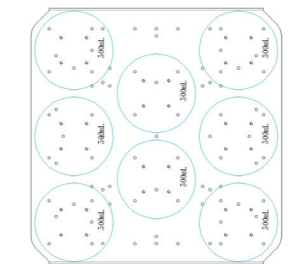
50ml*36pcs



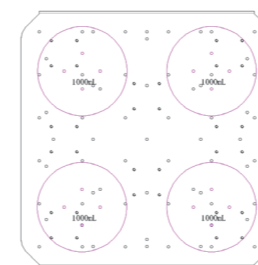
100ml*23pcs



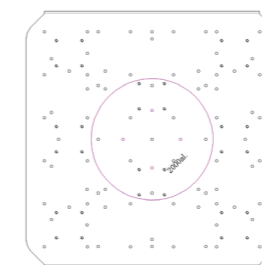
250ml*13pcs



500ml*8pcs



1000ml*4pcs



2000ml*1pcs (Except for BSI-2)

BS-3/BIS-3



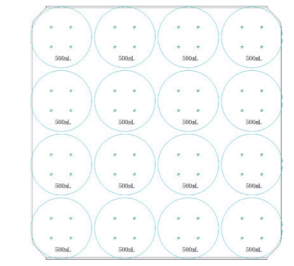
50ml*49pcs



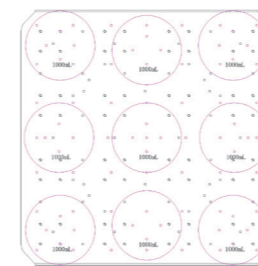
100ml*36pcs



250ml*18pcs



500ml*16pcs



1000ml*9pcs



2000ml*4pcs