



## VORTEX MIXER

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This sturdy, reliable mixers can adjust speed to meet different experimental requests. Multiple mixing modes, Touch and continuous operations. Aluminium cast base avoids unnecessary "walking". A variety of optional adapters are available which process 70 samples at the same time to make the experiment more convenient and efficient. Wide speed range:0-3000rpm. Built-in short mix, Microprocessor control, LED display the speed and time.

Used in Mixing, Laboratory, Research, Medical.

Also known as Laboratory Vortex Mixer.

## BVMX-404 VORTEX MIXER



Specially designed to accommodate double micro plates

Various adapters fit for different tubes

Maintenance free brushless DC motor

## SPECIFICATIONS

Model	BVMX-404
Speed Range	Single microplate: 0-1500rpm, Double microplate: 0-1000rpm
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80% RH
Orbital Diameter	4.5 mm
Motion	Orbital
18	Motor rating output [W&#93
Maximum Load Capacity	0.5 kg
Overall Dimension	260Dx150Wx80H mm
Speed Display	Scale
Motor Type	DC brushless
Protection Class	IP21
Weight	3 kg
Power	20 W
Power Supply	100-240 V, 50/60 Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3100909006	Universal top plate(round)	Used with Mx1028 to Mx1032
3100909007	Microplate clamp	
3100909008	Double microplate clamps	

Accessory Code	Name	Description
3100908010	Tube adapter	For 15 holes test tubes; $\phi$ 10mm; used with Mx1027/ Mx1026/PS1.1

3100908009	Tube adapter	For 48 holes test tubes; $\phi$ 6mm; used with Mx1027/ Mx1026/PS1.1
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3100908011	Tube adapter	For 12 holes test tubes; $\phi$ 12mm ; used with Mx1027/ Mx1026/PS1.1
3100908012	Tube adapter	For 8 holes test tubes; $\phi$ 16mm; used with Mx1027/ Mx1026/PS1.1
3100908013	Tube adapter	For 8 holes test tubes; $\phi$ 20mm; used with Mx1027/ Mx1026/PS1.1

## BVMX-101 VORTEX MIXER



Touch operation  
Fixed speed at 3000 rpm  
Small compact shape, ultra shock mount  
Eccentric bearing design

## SPECIFICATIONS

Model	BVMX-101
Speed Range	3000 rpm
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	0.8
Orbital Diameter	4.8 mm
Motion	Orbital
12	Motor rating output [W&#93
Operation	Touch operation
Overall Dimension	134Wx134Hx70.5D mm
Protection Class	IP21
Weight	0.8 kg
Power	20 W
Power Supply	100-240V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3100606006	For $\phi$ 30mm tubes and small vessels	For $\phi$ 30mm tubes and small vessels
3100606007	Tube holding rod	Used with Bx-103936 to Bx-10394

Accessory Code	Name	Description
3100606011	Tube adapter	For 12 holes test tubes; $\phi$ 12mm; used with Bx-103935/Bx-103934
3100606012	Tube adapter	For 8 holes test tubes; $\phi$ 16mm; used with Bx-103935/Bx-103934

3100606008	Universal top plate	100mm plate attachment; free of Rubber vacuum suction foot (Bx-103942; 4pcs)
3100606009	Tube adapter	For 48 holes test tubes; $\phi$ 6mm; used with Bx-103935/Bx-103934
3100606010	Tube adapter	For 15 holes test tubes; $\phi$ 10mm; used with Bx-103935/Bx-103934

3100606013	Tube adapter	For 8 holes test tubes; $\phi$ 20mm; used with Bx-103935/Bx-103934
3100606014	Platform pad	For $<\phi$ 99mm tubes and small vessels
3100606015	Rubber vacuum suction foot with screw	Rubber vacuum suction foot with screw; 1pc

## 100 VORTEX MIXER



The max. diameter of the tubes is up to 30mm. Suit for mixing tubes /centrifugal tubes with prominent mixing effect

Outer shell and test tube base are made of plastic which is resistant to chemical attack. The thick base makes operation very steady and reliable

12V low voltage power adapter built in, smart and portable

## SPECIFICATIONS

Model	BVMX-102	BVMX-104	BVMX-105
Speed Range	4000 rpm	0-4000 rpm	4000 rpm
Maximum Sample Capacity	50 ml		
Shaking Orbit	4.5 mm (circle)		
Switch mode	Jog switch	Jog switch+Knob adjust	Jog switch / One button long open
Power Input /Output	1.2 W / 0.8 W		
Voltage	DC12 V 1A		DC12 V 1 A
Power	12 W		
Dimension	W.110 x D.110 x H.86 mm		
Net Weight	1.1 kgs		



BVMX-102



BVMX-104



BVMX-105

# BVMX-103 VORTEX MIXER



Suit for mixing tubes / centrifugal tubes with prominent mixing effect  
Outer shell and touch concave are made of plastic which is resistance to chemical attack  
The thick base makes operation very steady and reliable  
12V low voltage power adapter built in, very smart and portable  
Can adjust speed to meet different experimental requests

## SPECIFICATIONS

Model	BVMX-103
Speed Range	0-2500 rpm
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	0.8
Orbital Diameter	4 mm
Motion	Orbital
58	Motor rating output [W&#93
Operation	Continuous/ touch operation
Overall Dimension	127Wx130Hx160D mm
Speed Display	Scale
Protection Class	IP21
Weight	3.5 kg
Power	60 W
Power Supply	110-120V /220-230V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3100908006	Rubber vacuum suction foot with screw; 1pc	
3100908007	Platform pad	For <φ99mm tubes and small vessels
3100908008	Standard top cup	For <φ30mm tubes and small vessels
3100908009	Tube adapter	For 48 holes test tubes; φ6mm; used with Mx1027/ Mx1026/PS1.1
3100908010	Tube adapter	For 15 holes test tubes; φ10mm; used with Mx1027/ Mx1026/PS1.1

Accessory Code	Name	Description
3100908011	Tube adapter	For 12 holes test tubes; φ12mm ; used with Mx1027/ Mx1026/PS1.1
3100908012	Tube adapter	For 8 holes test tubes; φ16mm; used with Mx1027/ Mx1026/PS1.1
3100908013	Tube adapter	For 8 holes test tubes; φ20mm; used with Mx1027/ Mx1026/PS1.1
3100908014	Universal top plate	100mm plate attachment ; free of Rubber vacuum suction foot (18900158; 4pcs)
3100908015	Tube holding rod	Used with Mx1028 to Mx1032

## BVMX-201 MULTI-TUBE VORTEX



Max capacity can process 50 samples at the same time to make the experiment more convenient and efficient

Microprocessor control, simplistic designed appearance, LED displays the speed and time

Friendly program designed, built-in short mix, timing operation, impulse and continuous modes. Operation stable and silent

A foam tube frame and tray pad configured at random. Various types of foam tube frames and pads to choose. tube frames and pads to choose

## SPECIFICATIONS

Model	BVMX-201
Speed Range	500-2500 rpm
Speed Accuracy	±1 rpm
Shaking Orbit	4 mm
Time Range	1 s~9999 min
Interval timing between impulse	1~10 s
Timing set for impulse working	1 s~99 min 59 s
Max Load	5 kgs
Cover Plate Size	W.184 x L.311 mm
Voltage	AC 100~230 V, 50/60Hz
Power	60 W
Fuse	250 V, 1 A, $\phi$ 5 x 20
Dimension	W.250 x D.426 x H.480 mm
Net Weight	15 kgs

## OPTIONAL ACCESSORIES

Accessory Code	Name	Dimension	Number of Holes
3100706006	Tube frame	245 x 132 x 45 mm	
3100706007	Tube frame	245 x 132 x 45 mm	
3100706008	Tube frame	245 x 132 x 45 mm	
3100706009	50 x $\Phi$ 16mm foam tube frame (15ml foam tube)	245 x 132 x 45 mm	
3100706010	Tube frame	245 x 132 x 45 mm	
3100706011	15 x $\Phi$ 29mm foam tube frame (50ml foam tube)	245 x 132 x 45 mm	
3100706012	$\Phi$ 38mm foam tube frame (100ml foam tube)	245 x 132 x 45mm	10
3100706013	Tray pad set	305 x 178.5 x 25mm	
3100706014	Acrylic tube frame $\Phi$ 11mm (suit for 1.5/2.0ml tube)	169x84x41 mm	40

## 300 MINI MIXER



Mini and compact appearance, powerful function, sucker type under-chassis, super shockproof, ideal for high speed operation

Multiple mixing modes, touch-operation, continuous operation and timing set

Speed adjustable, and wide speed range, Stable low speed, powerful high speed

Shaking blocks convenient for replacement, stable and reliable, sturdy and durable eccentric bearing designed

Various tube holders are for optional (Suitable for Eppendorf Tubes)

## SPECIFICATIONS

Model	BVMX-301	BVMX-302	BVMX-303
Speed Range	0 ~ 2500 rpm		300 ~ 3000 rpm
Shaking Orbit	4 mm	3 mm	
Shaking Mode	Circle		
Operation	knob + scale		key + digital Display
Operation Mode	continuous or press running		continuous running or short mix
Voltage	AC 220V / AC 110V, 50/60 Hz		DC 24 V
Fuse	250 V, 1 A, Φ5x20		-
Dimension	W.132 x D.156 x H.150 mm		
Net Weight	2.5 kgs		2.2 kgs
Power	60 W		30 W

## ACCESSORIES

Accessory Code	Name	Description	For Models
3100806021	Standard head	Suit for tubes and containers with dia.<30 mm	BVMX-301
3100806022	Standard platform	Standard platform to hold foam tube holder	BVMX-301
3100806023	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm	BVMX-301
3100807021	Standard head	Suit for tubes and containers with dia.<30 mm	BVMX-302
3100807022	Standard platform	Standard platform to hold foam tube holder	BVMX-302
3100807023	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm	BVMX-302
3100808021	Standard head	Suit for tubes and containers with dia.<30 mm	BVMX-303
3100808022	Standard platform	Standard platform to hold foam tube holder	BVMX-303
3100808023	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm	BVMX-303

## OPTIONAL ACCESSORIES

Accessory Code	Name	DESCRIPTION	For Models
3100806006	Standard head	Suit for tubes and containers with dia.<30 mm	BVMX-301
3100806007	Standard platform Foam tube holder	Standard platform to hold foam tube holder	BVMX-301

3100806008	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm	BVMX-301
3100806009	Foam tube holder	for 0.2 ml tubes 70 holes. use with MX-P	BVMX-301
3100806010	Foam tube holder	for 0.5 ml tubes 36 holes. use with MX-P	BVMX-301
3100806011	Foam tube holder	for 1.5/2.0 ml tubes 20 holes. use with MX-P	BVMX-301
3100806012	Foam tube holder	for 15 ml tubes 8 holes. use with MX-P	BVMX-301
3100806013	Foam tube holder	for 50 ml tubes 4 holes. use with MX-P	BVMX-301
3100806014	Tube holder platform	for 1.5/2.0 ml tubes x 22	BVMX-301
3100806015	Tube holder platform	for 15 ml tubes x 4	BVMX-301
3100806016	Tube holder platform	for 50 ml tubes x 2	BVMX-301
3100806017	Plate holder platform for all standard plates	for all standard plates	BVMX-301
3100806018	Universal platform	for tube stands below and all standard plates	BVMX-301
3100806019	Form tube holder fixer	for MX-C & MX-D & MX-E	BVMX-301
3100806020	Form tube holder fixer	for MX-F & MX-G	All
3100807006	Standard head	Suit for tubes and containers with dia.<30mm	BVMX-302
3100807007	Standard platform Foam tube holder	Standard platform to hold foam tube holder	BVMX-302
3100807008	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99mm	BVMX-302
3100807009	Foam tube holder	for 0.2ml tubes 70 holes. use with MX-P	BVMX-302
3100807010	Foam tube holder	for 0.5ml tubes 36 holes. use with MX-P	BVMX-302
3100807011	Foam tube holder	for 1.5/2.0ml tubes 20 holes. use with MX-P	BVMX-302
3100807012	Foam tube holder	for 15ml tubes 8 holes. use with MX-P	BVMX-302
3100807013	Foam tube holder	for 50ml tubes 4 holes. use with MX-P	BVMX-302
3100807014	Tube holder platform	for 1.5/2.0ml tubes x 22	BVMX-302
3100807015	Tube holder platform	for 15ml tubes x 4	BVMX-302
3100807016	Tube holder platform	for 50ml tubes x 2	BVMX-302
3100807017	Plate holder platform for all standard plates	for all standard plates	BVMX-302
3100807018	Universal platform	for tube stands below and all standard plates	BVMX-302
3100807019	Form tube holder fixer	for MX-C & MX-D & MX-E	BVMX-302
3100808006	Standard head	Suit for tubes and containers with dia.<30 mm	BVMX-303
3100808007	Standard platform Foam tube holder	Standard platform to hold foam tube holder	BVMX-303
3100808008	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm	BVMX-303
3100808009	Foam tube holder	for 0.2 ml tubes 70 holes. use with MX-P	BVMX-303
3100808010	Foam tube holder	for 0.5 ml tubes 36 holes. use with MX-P	BVMX-303
3100808011	Foam tube holder	for 1.5/2.0 ml tubes 20 holes. use with MX-P	BVMX-303
3100808012	Foam tube holder	for 15 ml tubes 8 holes. use with MX-P	BVMX-303
3100808013	Foam tube holder	for 50 ml tubes 4 holes. use with MX-P	BVMX-303
3100808014	Tube holder platform	for 1.5/2.0 ml tubes x 22	BVMX-303
3100808015	Tube holder platform	for 15 ml tubes x 4	BVMX-303
3100808016	Tube holder platform	for 50 ml tubes x 2	BVMX-303
3100808017	Plate holder platform for all standard plates	for all standard plates	BVMX-303
3100808018	Universal platform	for tube stands below and all standard plates	BVMX-303
3100808019	Form tube holder fixer	for MX-C & MX-D & MX-E	BVMX-303





BVMX-301



BVMX-302



BVMX-303

## BTUR-305 ROTARY MIXING SOLUTION



It can be used in the humid environment such as refrigerator and refrigerated cabinet  
Several optional turntable supplied, suit for the tubes from 1.5ml to 50ml  
One button to start/stop, easy to operate, can run for a long time, running smoothly without noise at 20 rpm

## SPECIFICATIONS

Model	BTUR-305
Speed Range	20 rpm
Gradient Angle Range	45° (fixed angle)
Voltage	AC 220V/AC 110V, 50/60 Hz
Power	14 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	W.260 x D.300 x H.233mm
Net Weight	1.8 kgs

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
3300606006	Turntable for rotary mixing solution	50 ml V-bottom tube x 10	
3300606007	Turntable for rotary mixing solution	15 ml V-bottom tube x 18	
3300606008	Turntable for rotary mixing solution	1.5 ml tube x 64	
3300606009	Foam tube holder		50ml centrifuge tubex12 15 ml centrifuge tubex12 1.5 ml centrifuge tubex30
3300606010	Turntable		50ml centrifuge tubex10 15ml centrifuge tubex10 1.5ml centrifuge tubex30
3300606011	Double turntable connector		

## BTUR-306 ROTARY MIXING SOLUTION



It can be used in the humid environment such as refrigerator and refrigerated cabinet.  
Several optional turntable supplied, suit for the tubes from 1.5ml to 50ml.  
One button to start/stop, easy to operate, can run for a long time, running smoothly without noise at 40 rpm.

## SPECIFICATIONS

Model	BTUR-306
Speed Range	40 rpm
Gradient Angle Range	45° (fixed angle)
Voltage	AC 220V/AC 110V, 50/60 Hz
Power	14 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	W.260 x D.300 x H.233mm
Net Weight	1.8 kgs

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
3300607006	Turntable for rotary mixing solution	50 ml V-bottom tube x 10	
3300607007	Turntable for rotary mixing solution	15 ml V-bottom tube x 18	
3300607008	Turntable for rotary mixing solution	1.5 ml tube x 64	
3300607009	Foam tube holder		50ml centrifuge tubex12 15 ml centrifuge tubex12 1.5 ml centrifuge tubex30
3300607010	Turntable		50ml centrifuge tubex10 15 ml centrifuge tubex10 1.5 ml centrifuge tubex30
3300607011	Double turntable connector		

## BVMX-106 VORTEX MIXER



The perfect mixing radius combined with excellent 2D mixing technology and adjustable mixing speed ensures fast and perfect mixing of multiple samples.

## SPECIFICATIONS

Model	BVMX-106
Speed Range	300 ~3000 rpm
Touch Vortex Speed	3500 rpm
Shaking Orbit	3 mm
Time Range	1 s~99 h 59 min
Working Noise	<50dB
Voltage	AC 100~230V, 50/60Hz
Fuse	250 V, 1 A, $\phi$ 5 x 20
Dimension	W.196 x D.270 x H.170 mm
Net Weight	7.7 kgs
Power	45 W

## ACCESSORIES

Accessory Code	Name	Capacity
3100611006	Tube Stand A	96x0.2 ml Tube stand.
3100611007	Tube Stand B	24 x 0.5 ml Tube stand
3100611008	Tube Stand C	24 x 1.5/2.0 ml Tube stand

## BVMX-501 BALL MILL MIXER



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 $\mu$ m, fast grinding and very low final fineness make the BM-2000 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
Max. feed size	$\leq 10$ mm
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
Vibration frequency	Regular frequency: 180~1800 r/min Up to: 2100 r/min
Voltage	100 V-240 V 50-60 Hz
Sample type	Hard, soft, elastic and fibrous samples
Dimension (protective cover closed)	W.350 mm $\times$ D.455 mm $\times$ H.275 mm
Dimension (protective cover open)	W.350 mm $\times$ D.455 mm $\times$ H.550 mm
Final discharge particle size	<5 $\mu$ m (Depends on the nature of the sample)
Grinding method	Dry grinding, wet grinding and cryogenic grinding
Interval time setting	10 s~99 min 59 s
Working time setting	10 s~99 min 59 s
Number of preset operating modes	10
Number of cycles	99 times
Sample Volume	2 $\times$ 50 ml
Net weight	31.5 kg
Power	150 W

## BVMX-601 VERTICAL ROTATING MIXER



Exquisite appearance and sturdy construction; Special machinefoot adsorption desktop, super stable and shockproof

Stepper motor with stable performance, high power torque, low noise, stable low speed, strong high speed and long service life

The three-inch color screen hologram displays all the parameters, graphical displays the current running attitude mode of the test tube, which is clear at a glance, and sound an alarm after the end of the operation

Built-in M1~M10 ten kinds of mixing mode, one key to call, convenient and fast, to meet more experimental needs

Built-in loops programmable, can achieve circulation between modes, can achieve unattended switching mode operation

The test tube module is easy to assemble and equipped with fixed screws, which is more reliable and durable

Multiple combinations of modules, compatible with 1.5-50ml test tubes to meet more experimental requirements

## SPECIFICATIONS

Model	BVMX-601
Speed Range	1 rpm ~ 80 rpm
Time Range	1 s ~ 99 h 59 min
Dimension	W.462 x D.150 x H.180 mm
Relative humidity	No more than 80%
Net Weight	2.1 kg
Voltage	AC 90 ~ 230 V, 50/60 Hz
Power	48 W



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