

# VORTEX MIXER



# VORTEX MIXER

Constructed of rugged, corrosion-resistant materials, the instruments endure heavy everyday usage. The ergonomic low profile design makes everyday vortexing comfortable for the user. Unnecessary movement has been avoided during use due to robust die-cast body.

Used in Mixing, Laboratory, Research, Medical.

Also known as Laboratory Vortex Mixer.

## MIX36-30SD VORTEX MIXER

Compact structure designing, low center of gravity provide the stable operation when high speed

DC Brushless Motor, long-life, low noise

The motor drive directly, no belt loss. induction and variable frequency motor (without beltwork)

All the fixture, the instrument will distinguish automatic, speed limit automatic

Chuck installing more conveniently

Inching feature and consecutive operation, easy for switching

Centric balance piece designing, amplitude can be achieved 4.5mm, nice oscillation effects

Metal hull, reliable and strong

Timing function, also can be countdown and digital showing

Digital show the setting speed and operation speed , easy and clearly

## SPECIFICATIONS

Model	MIX36-30SD
Speed Range	200-3000 rpm/min,stepless speed regulating
Orbital Diameter	4.5mm
Motion	circumferential
20	Motor rating output
Maximum Load Capacity	1 kg
Operation	Continuous/ touch operation
Timing Range	1s-999 min
Overall Dimension	210x150x69 mm
Protection Class	IP21
Speed setting and showing	Simulation setting and digital time showing
Driving	induction and variable frequency motor (without beltwork)
Weight	4 kg
Standard Configuration	V1.1/Standard gasket
Power Supply	100~240 V

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
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Accessory Code	Name	Description
3000805009	Centrifuge Tube Adapter	Together with ELISA Plate fixture;30 jacks; Hole Diameter 10mm

3000805005	Standard gasket	Use for setting tube which the diameter no more than 65mm smaller container; Speed range: 0/200-3000rpm
3000805006	ELISA Plate fixture	Use for ;ELISA Plate and square adapter; Speed range: 0/200-1500rpm
3000805007	Flasks fixture	Together with flasks gaskets; Speed range: 0/200-3000rpm
3000805008	Flasks gasket fixture	

3000805010	Centrifuge Tube Adapter	Together with ELISA Plate fixture;16 jacks; Hole Diameter 12mm
3000805011	Centrifuge Tube Adapter	Together with ELISA Plate fixture;12 jacks ; Hole Diameter 16mm
3000805012	100-240V adapter	

## MIX36-30RT VORTEX MIXER

Compact structure designing, low center of gravity provide the stable operation when high speed

DC Brushless Motor, long-life, low noise

The motor drive directly, no belt loss. induction and variable frequency motor (without beltwork)

All the fixture, the instrument will distinguish automatic, speed limit automatic

Chuck installing more conveniently

Inching feature and consecutive operation, easy for switching

Centric balance piece designing, amplitude can be achieved 4.5mm, nice oscillation effects

Metal hull, reliable and strong

Timing function, also can be countdown and digital showing

Digital show the setting speed and operation speed , easy and clearly

All the fixture can be inching feature and consecutive operation, suited to the lab requirement

## SPECIFICATIONS

Model	MIX36-30RT
Speed Range	200-3000 rpm/min,stepless speed regulating
Orbital Diameter	4.5mm
Motion	circumferential
20	Motor rating output
Maximum Load Capacity	1 kg
Operation	Continuous/ touch operation
Timing Range	1s-999 min
Overall Dimension	210x150x69 mm
Protection Class	IP21
Speed setting and showing	0-3000 rpm,Real-time digital showing for Speed and time
Driving	induction and variable frequency motor (without beltwork)
Weight	4 kg
Standard Configuration	V1.1/Standard gasket
Power Supply	100~240 V

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3000805005	Standard gasket	Use for setting tube which the diameter no more than 65mm smaller container; Speed range: 0/200-3000rpm
3000805006	ELISA Plate fixture	Use for ;ELISA Plate and square adapter; Speed range: 0/200-1500rpm
3000805007	Flasks fixture	Together with flasks gaskets; Speed range: 0/200-3000rpm
3000805008	Flasks gasket fixture	

Accessory Code	Name	Description
3000805009	Centrifuge Tube Adapter	Together with ELISA Plate fixture;30 jacks; Hole Diameter 10mm
3000805010	Centrifuge Tube Adapter	Together with ELISA Plate fixture;16 jacks; Hole Diameter 12mm
3000805011	Centrifuge Tube Adapter	Together with ELISA Plate fixture;12 jacks ; Hole Diameter 16mm
3000805012	100-240V adapter	

## MIX37-25 VORTEX MIXER

Touch operation or continuous mode

Used for various mixing applications with optional adapters

Various adapters fit for different tubes

Specially designed vacuum suction foot for body stability

Robust aluminum-cast construction



## SPECIFICATIONS

Model	MIX37-25
Speed Range	25000 rpm
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80% RH
Orbital Diameter	4 mm
53	Motor rating output [W&#93
Operation	Continuous/ touch operation
Overall Dimension	127Wx130Hx160Dmm
Motor Type	Shaded pole motor
Protection Class	IP21
Weight	3.5 kg
Power	60 W
Power Supply	110-120 V/220-230 V, 50/60 Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
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Accessory Code	Name	Description
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3000807005	Rubber vacuum suction foot with screw; 1pc	
3000807006	Platform pad	For <φ99mm tubes and small vessels
3000807007	Standard top cup	For <φ30mm tubes and small vessels
3000807008	Tube adapter	For 48 holes test tubes; φ6mm; used with Mx1027/ Mx1026/PS1.1
3000807009	Tube adapter	For 15 holes test tubes; φ10mm; used with Mx1027/ Mx1026/PS1.1

3000807010	Tube adapter	For 12 holes test tubes; φ12mm ; used with Mx1027/ Mx1026/PS1.1
3000807011	Tube adapter	For 8 holes test tubes; φ16mm; used with Mx1027/ Mx1026/PS1.1
3000807012	Tube adapter	For 8 holes test tubes; φ20mm; used with Mx1027/ Mx1026/PS1.1
3000807013	Universal top plate	100mm plate attachment ; free of Rubber vacuum suction foot (18900158; 4pcs)
3000807014	Tube holding rod	Used with Mx1028 to Mx1032

## MIX38-15 MULTI-FUNCTIONAL VORTEX MIXER

Specially designed to accommodate double micro plates

Various adapters fit for different tubes

Maintenance free brushless DC motor



### SPECIFICATIONS

Model	MIX38-15
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
3000808005	Universal top plate(round)	Used with Mx1028 to Mx1032
3000808006	Microplate clamp	
3000808007	Double microplate clamps	
3000807008	Tube adapter	For 48 holes test tubes; $\phi 6\text{mm}$ ; used with Mx1027/ Mx1026/PS1.1

Accessory Code	Name	Description
3000807009	Tube adapter	For 15 holes test tubes; $\phi 10\text{mm}$ ; used with Mx1027/ Mx1026/PS1.1
3000807010	Tube adapter	For 12 holes test tubes; $\phi 12\text{mm}$ ; used with Mx1027/ Mx1026/PS1.1
3000807011	Tube adapter	For 8 holes test tubes; $\phi 16\text{mm}$ ; used with Mx1027/ Mx1026/PS1.1
3000807012	Tube adapter	For 8 holes test tubes; $\phi 20\text{mm}$ ; used with Mx1027/ Mx1026/PS1.1

## MIX31 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	MIX31-28	MIX31-28A	MIX31-28B
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		



MIX31-28



MIX31-28A



MIX31-28B

## MIX37-25A 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	MIX37-25A
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
3000807005	Rubber vacuum suction foot with screw; 1pc	
3000807006	Platform pad	For <φ99mm tubes and small vessels

Accessory Code	Name	Description
3000807010	Tube adapter	For 12 holes test tubes; φ12mm ; used with Mx1027/ Mx1026/PS1.1
3000807011	Tube adapter	For 8 holes test tubes; φ16mm; used with Mx1027/ Mx1026/PS1.1

3000807007	Standard top cup	For <φ30mm tubes and small vessels
3000807008	Tube adapter	For 48 holes test tubes; φ6mm; used with Mx1027/ Mx1026/PS1.1
3000807009	Tube adapter	For 15 holes test tubes; φ10mm; used with Mx1027/ Mx1026/PS1.1

3000807012	Tube adapter	For 8 holes test tubes; φ20mm; used with Mx1027/ Mx1026/PS1.1
3000807013	Universal top plate	100mm plate attachment ; free of Rubber vacuum suction foot (18900158; 4pcs)
3000807014	Tube holding rod	Used with Mx1028 to Mx1032

## MIX35-25M MULTI-TUBE VORTEX MIXER

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	MIX35-25M
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, φ5 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
3000605005	Tube frame	245 x 132 x 45 mm	
3000605006	Tube frame	245 x 132 x 45 mm	
3000605007	Tube frame	245 x 132 x 45 mm	
3000605008	50 x Φ16mm foam tube frame (15ml foam tube)	245 x 132 x 45 mm	
3000605009	Tube frame	245 x 132 x 45 mm	



3000605010	15 x $\Phi$ 29mm foam tube frame (50ml foam tube)	245 x 132 x 45 mm	
3000605011	$\Phi$ 38mm foam tube frame (100ml foam tube)	245 x 132 x 45mm	10
3000605012	Tray pad set	305 x 178.5 x 25mm	
3000605013	Acrylic tube frame $\Phi$ 11mm (suit for 1.5/2.0ml tube)	169x84x41 mm	40

## MIX32 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	MIX32-25	MIX32-25A
Speed Range	0 ~ 2500 rpm	
Shaking Orbit	4 mm	3 mm
Shaking Mode	Circle	
Operation	knob + scale	
Operation Mode	continuous or press running	
Voltage	AC 220V / AC 110V, 50/60 Hz	
Fuse	250 V, 1 A, $\Phi$ 5x20	
Dimension	W.132 x D.156 x H.150 mm	
Net Weight	2.5 kgs	
Power	60 W	

## ACCESSORIES

Accessory Code	Name	Description	For Models
3000705020	Standard head	Suit for tubes and containers with dia. <30 mm	MIX32-25
3000705021	Standard platform	Standard platform to hold foam tube holder	MIX32-25
3000705022	Convex pad	Use with MX-P. suit for tubes and containers with dia. <99 mm	MIX32-25
3000706020	Standard head	Suit for tubes and containers with dia. <30 mm	MIX32-25A
3000706021	Standard platform	Standard platform to hold foam tube holder	MIX32-25A
3000706022	Convex pad	Use with MX-P. suit for tubes and containers with dia. <99 mm	MIX32-25A

## OPTIONAL ACCESSORIES

Accessory Code	Name	DESCRIPTION	For Models
3000705005	Standard head	Suit for tubes and containers with dia. <30 mm	MIX32-25

3000705006	Standard platform Foam tube holder	Standard platform to hold foam tube holder	MIX32-25
3000705007	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm	MIX32-25
3000705008	Foam tube holder	for 0.2 ml tubes 70 holes. use with MX-P	MIX32-25
3000705009	Foam tube holder	for 0.5 ml tubes 36 holes. use with MX-P	MIX32-25
3000705010	Foam tube holder	for 1.5/2.0 ml tubes 20 holes. use with MX-P	MIX32-25
3000705011	Foam tube holder	for 15 ml tubes 8 holes. use with MX-P	MIX32-25
3000705012	Foam tube holder	for 50 ml tubes 4 holes. use with MX-P	MIX32-25
3000705013	Tube holder platform	for 1.5/2.0 ml tubes x 22	MIX32-25
3000705014	Tube holder platform	for 15 ml tubes x 4	MIX32-25
3000705015	Tube holder platform	for 50 ml tubes x 2	MIX32-25
3000705016	Plate holder platform for all standard plates	for all standard plates	MIX32-25
3000705017	Universal platform	for tube stands below and all standard plates	MIX32-25
3000705018	Form tube holder fixer	for MX-C & MX-D & MX-E	MIX32-25
3000705019	Form tube holder fixer	for MX-F & MX-G	All
3000706005	Standard head	Suit for tubes and containers with dia.<30mm	MIX32-25A
3000706006	Standard platform Foam tube holder	Standard platform to hold foam tube holder	MIX32-25A
3000706007	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99mm	MIX32-25A
3000706008	Foam tube holder	for 0.2ml tubes 70 holes. use with MX-P	MIX32-25A
3000706009	Foam tube holder	for 0.5ml tubes 36 holes. use with MX-P	MIX32-25A
3000706010	Foam tube holder	for 1.5/2.0ml tubes 20 holes. use with MX-P	MIX32-25A
3000706011	Foam tube holder	for 15ml tubes 8 holes. use with MX-P	MIX32-25A
3000706012	Foam tube holder	for 50ml tubes 4 holes. use with MX-P	MIX32-25A
3000706013	Tube holder platform	for 1.5/2.0ml tubes x 22	MIX32-25A
3000706014	Tube holder platform	for 15ml tubes x 4	MIX32-25A
3000706015	Tube holder platform	for 50ml tubes x 2	MIX32-25A
3000706016	Plate holder platform for all standard plates	for all standard plates	MIX32-25A
3000706017	Universal platform	for tube stands below and all standard plates	MIX32-25A
3000706018	Form tube holder fixer	for MX-C & MX-D & MX-E	MIX32-25A



MIX32-25



MIX32-25A

# MIX33-30D 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	MIX33-30D
Speed Range	300 ~ 3000 rpm
Shaking Orbit	3 mm
Shaking Mode	Circle
Operation	key + digital Display
Operation Mode	continuous running or short mix
Voltage	DC 24 V
Dimension	W.132 x D.156 x H.150 mm
Net Weight	2.2 kgs
Power	30 W

## ACCESSORIES

Accessory Code	Name	Description
3000707020	Standard head	Suit for tubes and containers with dia.<30 mm
3000707021	Standard platform	Standard platform to hold foam tube holder
3000707022	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm

## OPTIONAL ACCESSORIES

Accessory Code	Name	DESCRIPTION
3000707005	Standard head	Suit for tubes and containers with dia.<30 mm
3000707006	Standard platform Foam tube holder	Standard platform to hold foam tube holder
3000707007	Convex pad	Use with MX-P. suit for tubes and containers with dia.<99 mm
3000707008	Foam tube holder	for 0.2 ml tubes 70 holes. use with MX-P
3000707009	Foam tube holder	for 0.5 ml tubes 36 holes. use with MX-P

Accessory Code	Name	DESCRIPTION
3000707013	Tube holder platform	for 1.5/2.0 ml tubes x 22
3000707014	Tube holder platform	for 15 ml tubes x 4
3000707015	Tube holder platform	for 50 ml tubes x 2
3000707016	Plate holder platform for all standard plates	for all standard plates
3000707017	Universal platform	for tube stands below and all standard plates

3000707010	Foam tube holder	for 1.5/2.0 ml tubes 20 holes. use with MX-P
3000707011	Foam tube holder	for 15 ml tubes 8 holes. use with MX-P
3000707012	Foam tube holder	for 50 ml tubes 4 holes. use with MX-P

3000707018	Form tube holder fixer	for MX-C & MX-D & MX-E
3000705019	Form tube holder fixer	for MX-F & MX-G

## MIX13-20 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	MIX13-20
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
3200907005	Turntable for rotary mixing solution	50ml V-bottom tube x 10	
3200907006	Turntable for rotary mixing solution	1.5ml tube x 64	
3200907007	Turntable for rotary mixing solution	15ml V-bottom tube x 18	
3200907008	Foam tube holder		50ml centrifuge tubex12 15ml centrifuge tubex12 1.5ml centrifuge tubex30
3200907009	Turntable		50ml centrifuge tubex10 15ml centrifuge tubex10 1.5ml centrifuge tubex30
3200907010	Double turntable connector		

# MIX13-40 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	MIX13-40
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
3200907005	Turntable for rotary mixing solution	50ml V-bottom tube x 10	
3200907006	Turntable for rotary mixing solution	1.5ml tube x 64	
3200907007	Turntable for rotary mixing solution	15ml V-bottom tube x 18	
3200907008	Foam tube holder		50ml centrifuge tubex12 15ml centrifuge tubex12 1.5ml centrifuge tubex30
3200907009	Turntable		50ml centrifuge tubex10 15ml centrifuge tubex10 1.5ml centrifuge tubex30
3200907010	Double turntable connector		

# MIX31-28C 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	MIX31-28C
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
3000510005	Tube Stand A	96x0.2 ml Tube stand.
3000510006	Tube Stand B	24 x 0.5 ml Tube stand
3000510007	Tube Stand C	24 x 1.5/2.0 ml Tube stand

# LABSTAC

**Labstac LLC**

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA

Email: [contact@labstac.com](mailto:contact@labstac.com) | Website: [labstac.com](http://labstac.com)