

# 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.

## MIX34-30T VORTEX MIXER

Optimized 2D mixing designed for simultaneous mixing and vortexing applications

Pre-programmed soft keys and reliable universal holder

Automatic imbalance detection and anti-spill technology

Mixing in a 3-in-1 format: Plates (up to 96-well and 384-well formats), Micro-Tubes, vortexing numerous tube formats

Custom blocks available for different experiment needs



## SPECIFICATIONS

Model	MIX34-30T
Speed Range	300-3000 rpm
Temperature	No heating function
Temperature Accuracy	No heating function
Temperature Resolution	No heating function
Vortex Shaking Speed	3500 rpm
Shaking Orbit	3 mm
Time of Heating	No heating function
Time of Cooling	No cooling function
Timing Range	1s-99h59min (continuously)
Motion	Orbital
Overall Dimension	270x196x170 mm
Display	LCD
Noise Level	<52 db
Weight	4.5 kg
Power	45 W
Power Supply	100-230V, 50-60Hz

## ACCESSORIES

Accessory Code	Name	Description
LS54293	Tube Stand	96x0.2ml
LS54305	Tube Stand	24x0.5ml

LS54317	Tube Stand	24x1.5/2.0ml
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## MIX36 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	MIX36-30SD	MIX36-30RT
Speed Range	200-3000 rpm/min, stepless speed regulating	
Orbital Diameter	4.5mm	
Motion	circumferential	
20	Motor rating output [W&#93	
Maximum Load Capacity	1 kg	
Operation	Continuous/ touch operation	
Timing Range	1s-999 min	
Overall Dimension	210×150×69 mm	
Protection Class	IP21	
Speed setting and showing	Simulation setting and digital time 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
LS53149	Standard gasket	Use for setting tube which the diameter no more than 65mm smaller container, Speed range: 0/200-3000rpm
LS53161	ELISA Plate fixture	Use for ,ELISA Plate and square adapter, Speed range: 0/200-1500rpm

Accessory Code	Name	Description
LS53197	Centrifuge Tube Adapter	Together with ELISA Plate fixture,30 jacks, Hole Diameter 10mm
LS53209	Centrifuge Tube Adapter	Together with ELISA Plate fixture,16 jacks, Hole Diameter 12mm

LS53173	Flasks fixture	Together with flasks gaskets, Speed range: 0/200-3000rpm
LS53185	Flasks gasket fixture	

LS53221	Centrifuge Tube Adapter	Together with ELISA Plate fixture, 12 jacks, Hole Diameter 16mm
LS53233	100-240V adapter	



MIX36-30SD



MIX36-30RT

## 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	127W×130H×160Dmm
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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LS52332	Rubber vacuum suction foot with screw, 1pc	
LS52371	Platform pad	For <Ø99mm tubes and small vessels
LS52384	Standard top cup	For <Ø30mm tubes and small vessels
LS52436	Tube adapter	For 48 holes test tubes, Ø6mm, used with MX1027/MX1026/PS1.1
LS52449	Tube adapter	For 15 holes test tubes, Ø10mm, used with MX1027/MX1026/PS1.1

LS52462	Tube adapter	For 12 holes test tubes, Ø12mm, used with MX1027/MX1026/PS1.1
LS52475	Tube adapter	For 8 holes test tubes, Ø16mm, used with MX1027/MX1026/PS1.1
LS52488	Tube adapter	For 8 holes test tubes, Ø20mm, used with MX1027/MX1026/PS1.1
LS52501	Universal top plate	100mm plate attachment, free of Rubber vacuum suction foot (18900158, 4pcs)
LS52527	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	260D×150W×80H 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
LS52397	Universal top plate(round)	Used with MX1028 to MX1032
LS52410	Microplate clamp	
LS52423	Double microplate clamps	
LS52436	Tube adapter	For 48 holes test tubes, Ø6mm, used with MX1027/ MX1026/PS1.1

Accessory Code	Name	Description
LS52449	Tube adapter	For 15 holes test tubes, Ø10mm, used with MX1027/ MX1026/PS1.1
LS52462	Tube adapter	For 12 holes test tubes, Ø12mm , used with MX1027/ MX1026/PS1.1
LS52475	Tube adapter	For 8 holes test tubes, Ø16mm, used with MX1027/ MX1026/PS1.1
LS52488	Tube adapter	For 8 holes test tubes, Ø20mm, used with MX1027/ MX1026/PS1.1

## MIX31-28 VORTEX MIXER

The maximum diameter of the mixed tube is up to 30mm

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



## SPECIFICATIONS

Model	MIX31-28
Speed Range	2800 rpm
Capacity	up to 50 ml (1 tube)
Orbital Diameter	4.5 mm
Motion	Circle Shaking (Vortexing)
1.2	Motor rating output [W&#93
Overall Dimension	110 x 70 mm
Weight	1.2 kg
Power	15 W
Power Supply	AC 90~230V

# 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
LS52332	Rubber vacuum suction foot with screw, 1pc	
LS52371	Platform pad	For <Ø99mm tubes and small vessels
LS52384	Standard top cup	For <Ø30mm tubes and small vessels
LS52436	Tube adapter	For 48 holes test tubes, Ø6mm, used with MX1027/ MX1026/PS1.1
LS52449	Tube adapter	For 15 holes test tubes, Ø10mm, used with MX1027/ MX1026/PS1.1

Accessory Code	Name	Description
LS52462	Tube adapter	For 12 holes test tubes, Ø12mm , used with MX1027/ MX1026/PS1.1
LS52475	Tube adapter	For 8 holes test tubes, Ø16mm, used with MX1027/ MX1026/PS1.1
LS52488	Tube adapter	For 8 holes test tubes, Ø20mm, used with MX1027/ MX1026/PS1.1
LS52501	Universal top plate	100mm plate attachment , free of Rubber vacuum suction foot (18900158, 4pcs)
LS52527	Tube holding rod	Used with MX1028 to MX1032

## MIX31-28A VORTEX MIXER

Touch and continuous operations, stepless speed regulation

Used for various mixing applications with optional adapters, handles up to 48 tubes

Specially designed vacuum suction feet hold to the work surface and prevent the unit from movement

Aluminium cast base avoids unnecessary "walking"



### SPECIFICATIONS

Model	MIX31-28A
Speed Range	0-2800 rpm
Capacity	up to 50 ml (1 tube)
Orbital Diameter	4.5 mm
Motion	Circle Shaking (Vortexing)
1.2	Motor rating output [W&#93
Overall Dimension	110 x 70 mm
Weight	1.2 kg
Power	15 W
Power Supply	AC 90~230V

## MIX35-25M MULTI-TUBE VORTEX MIXER

Maximum process 50 samples at the same time to make the experiment more convenient and efficient

Microprocessor control, simplistic designed appearance

LED display the speed and time

Humanized program design, built-in short mix and timing operation modes

Operation stable and silent

Large orbital vortex, performance effective

Various types of foam tube frames and pads for option



### SPECIFICATIONS

Model	MIX35-25M
Speed Range	500-2500 rpm
Shaking Speed Accuracy	±50 rpm ( at 2500 rpm detection)
Orbital Diameter	4 mm
Maximum Load Capacity	5 kg



Timing Range	1s-9999 min
Top Panel Size	311x184 mm
Overall Dimension	426x250x480 mm
Weight	21.5 kg
Power	60 W
Power Supply	100-230V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS54178	Tube frame	245 x 132 x 45 mm
LS54190	Tube frame	245 x 132 x 45 mm
LS54202	Tube frame	245 x 132 x 45 mm
LS54214	Tube frame	245 x 132 x 45 mm

Accessory Code	Name	Description
LS54226	Tube frame	245 x 132 x 45 mm
LS54238	Tube frame	245 x 132 x 45 mm
LS54250	Tray pad set	305 x 178.5 x 25 mm

## 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

Continuously variable motor and Brushless DC Motor are optional

Stable low speed, powerful high speed

Shaking block convenient for replacement, stable and reliable, sturdy and durable eccentric bearing design

Various shaking block adapters optional (Suitable for Eppendorf Tube)



## SPECIFICATIONS

Model	MIX32-25	MIX32-25A
Speed Range	0 ~ 2500 rpm	
Orbital Diameter	4 mm	3 mm
Motion	Circle	
Operation	Continuous running / Short Mix	
Timing Range	1s ~ 999 min	
Overall Dimension	132Wx156D150H mm	132Wx156Dx150H mm
Operation Display Pattern	Knob + Scale	
Fuse	250V, 1A, Φ5x20	
Optional Accessories	Standard head and flat pad	All
Weight	2.4 kg	
Power	60 W	
Power Supply	AC220V/AC110V, 50/60Hz	

## ACCESSORIES

Accessory Code	Name	Description	For Models
LS54990	Standard head	Suit for tubes and containers with dia.<30mm	All
LS55002	Standard platform	To hold foam tube holder	MIX32-25A

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	For Models
LS54106	Convex pad		All
LS54118	Foam tube holder		MIX32-25A
LS54130	Foam tube holder		MIX32-25A
LS54142	Foam tube holder		MIX32-25A
LS54154	Foam tube holder		MIX32-25A
LS54166	Foam tube holder		MIX32-25A
LS54382	Tube holder platform		MIX32-25A
LS54394	Tube holder platform		MIX32-25A
LS54406	Tube holder platform		MIX32-25A
LS54418	Plate holder platform		MIX32-25A
LS54490	Universal platform for tube stands and all standard plates		MIX32-25A
LS54502	Universal platform for tube stands and all standard plates		MIX32-25A
LS54514	Universal platform for tube stands and all standard plates		MIX32-25A
LS54790	Customized		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

Continuously variable motor and Brushless DC Motor are optional

Stable low speed, powerful high speed

Shaking block convenient for replacement, stable and reliable, sturdy and durable eccentric bearing design

Various shaking block adapters optional (Suitable for Eppendorf Tube)



## SPECIFICATIONS

Model	MIX33-30D
Speed Range	300 ~ 3000 rpm
Orbital Diameter	2 mm
Motion	Circle
Operation	Continuous running / Short Mix
Timing Range	1s ~ 999 min
Overall Dimension	132Wx156Dx150H mm
Operation Display Pattern	Key + Digital display
Optional Accessories	All
Weight	2.2 kg
Power	30 W
Power Supply	DC24V

## ACCESSORIES

Accessory Code	Name	Description
LS54990	Standard head	Suit for tubes and containers with dia.<30mm
LS55002	Standard platform	To hold foam tube holder

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS54106	Convex pad	
LS54118	Foam tube holder	
LS54130	Foam tube holder	
LS54142	Foam tube holder	
LS54154	Foam tube holder	
LS54166	Foam tube holder	
LS54382	Tube holder platform	

Accessory Code	Name	Description
LS54394	Tube holder platform	
LS54406	Tube holder platform	
LS54418	Plate holder platform	
LS54490	Universal platform for tube stands and all standard plates	
LS54502	Universal platform for tube stands and all standard plates	
LS54514	Universal platform for tube stands and all standard plates	
LS54790	Customized	

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