



SHAKERS AND STIRRERS

**A reliable name for scientific equipment for Industrial,
Laboratory, Research, Medical and Educational Establishments.**



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BENCH TOP SHAKER

These bench top shakers incubating orbital shakers are available with and without heating or refrigeration. The clear lid lifts up and out of the way providing visibility and giving easy access to all samples.

01 > 02 > 03 > 04

Large easy to read displays shows set point and actual values.

Integral timer, 0,1 to 99,9 h, shows elapsed time or counts down, automatic switch-off and audible alarm when program is complete.

Micro process or controller maintains precise temperature, stores program for repeat use and recalls last set points, even when unit has been shut off.

Air circulation system ensures rapid temperature equilibration and uniformity, multifunction reservoir humidifies the chamber to minimize sample evaporation.



Key Features Of Bench Top Shaker



Orbit Dia/Tilt Angle	22 mm
Speed Range	30-350 RPM
Max. Load	2.5 Kgs.
Time	1 minute to 20 hours
Speed display	LCD
Timer display	LCD
Power	20 W
Dimension of Platform	315x315 mm
Equipment Dimension	420x360x125 mm
Weight	7 Kgs.
Power Supply	220 volts AC

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Magnetic Stirrer With Hot Plate Digital

A magnetic stirrer is a device widely used in laboratories and consists of a rotating magnet or a stationary electromagnet that creates a rotating magnetic field.

About:

- This device is used to make a stir bar, immerse in a liquid, quickly spin, or stirring or mixing a solution, The hot plate stirrer (or hot plate stirrer or hot plate magnetic stirrer) is used for mixing and heating aqueous solutions for a great variety of chemical reactions such as synthesis.
- Our hotplate stirrers are available in various models and combinations in both analog and digital configurations.



Key Features


Of Magnetic Stirrer With Hot Plate Digital



Outer Body	Made of Mild Steel with epoxy powder coating
Top	Made of Stainless steel
Stirring Capacity	10 Ltrs.
Work plate dimension	7 inches
Temp. Control	Microprocessor based PID controller
Sensor Type	PT 100
Temperature Range	Ambient -90 degrees
Shaking Movement	Orbital
Speed Range	100-1500 RPM
Stirring	Through Teflon bead
Speed Control	Manual
Dimension	215x360x112 mm
Power Supply	220 volts AC

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3 STATION MAGNETIC STIRRER

A magnetic stirrer is a device widely used in laboratories and consists of a rotating magnet or a stationary electromagnet that creates a rotating magnetic field.

Product Features

- Three controlled stirring positions.
- Powerful magnets for strong magnetic coupling.
- Easy Stir controls.
- Easily accommodate a 2-L beaker in each position also available in 5 L.
- Stainless steel top plate does not produce eddy current to ensure powerful stirring action.
- Description: Three Position Magnetic Stirrer; 220 VAC, 50 Hz



Key Features

Of 3 Station Magnetic Stirrer



Material	: Stainless Steel
Volume cap.	: 2 L each station
Speed range	: 1500 RPM
Stirring position	: 3
Maximum stirring range	: Can use upto 80mm bar Lower speed
weight	: 8 kg
Warranty	: 1 Year
Top Plate Length (in)	: 19
Top Plate Width (in)	: 6
Length (in)	: 22
Width (in)	: 7
Height (in)	: 6

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6 STATION MAGNETIC STIRRER

A magnetic stirrer is a device widely used in laboratories and consists of a rotating magnet or a stationary electromagnet that creates a rotating magnetic field.

Product Features

- Six controlled stirring positions.
- Powerful magnets for strong magnetic coupling.
- Easy Stir controls.
- Easily accommodate a 2-L beaker in each position also available in 5 L.
- Stainless steel top plate does not produce eddy current to ensure powerful stirring action.
- Description: Six Position Magnetic Stirrer; 220 VAC, 50 Hz



Key Features


Of 6 Station Magnetic Stirrer



Material	: Stainless Steel
Volume cap.	: 2 L each station
Speed range	: 1500 RPM
Stirring position	: 6
Maximum stirring range	: Can use upto 80mm bar Lower speed
weight	: 10 kg
Warranty	: 1 Year
Top Plate Length (in)	: 19
Top Plate Width (in)	: 13
Length (in)	: 22
Width (in)	: 14
Height (in)	: 6

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INCUBATOR SHAKER

Incubator Shaker the unit is added with a typical shaker that has a table board that oscillates horizontally, powered by an electric motor. The liquids to be stirred are held in beakers, jars, or Erlenmeyer that are placed over the table; or, sometimes, in test tubes or vials that are nested into holes in the plate. Incubator Shaker also exist, that shake the vessel in a circular fashion.

About:

- Useful for life science applications, Fermentation Studies, Ageing Tests, Growth Studies and biological cultures under various controlled temperature conditions.
- Advanced shaking mechanism provides quiet shaking and precise speed control with digital display.
- Minimum noise, no vibration and minimal footprint.
- Stabilized orbital motion under uneven load distribution.
- Various configurations of stainless steel lotus clamps available for Erlenmeyer flasks.
- Interior made of Stainless Steel (304 grade) with a drain-off facility for spill overs.



SPECIFICATION Of Incubator Shaker



Temperature range: 5°C-110°C.

Better Glass wool / Puff Insulation keeps the temperature of the chamber immune from outer environment.

Silent & unique Design of Air Circulation provide throughout uniform air movement & improved Temperature distribution.

Inner illumination through florescent light on opening of door.

Double door : outer of MS powder coating & Inner acrylic door from clear viewing without disturbing the chamber temp.

Polish 304 grade S. Steel interior, corrosion resistant for long life operation. Fitted with shaker with a capacity to hold 16 flasks of 250 ml or 500 ml.


Kanthail A-1 super quality round shaped heaters for heating & hermetically sealed compressor for cooling.

Equipped with digital PID temperature Controller Cum indicator Digital display of volts & ampere & RPM.

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VORTEX SHAKER (Analog Model)

A vortex mixer is a relatively simple device, used in bioscience, microbiology, biochemical, and analytical laboratory settings to mix small vials of liquids in a quickly oscillating circular motion. When the motion of the rubber cup holder on the mixer is transmitted to the liquid sample, a vortex is created.

Special Feature:

- Body made of ABS injection moulded
- Heavy duty motor is used for continuous operation.
- Brass parts are used in vortex device for long life.
- Heavy base plate of metal for vibration free performance.



Standard Accessories :

- Rubber cup attachment for Test tubes - 1 No.
- Insert for micro tubes of 0.2ml/0.5ml - 1 No.
- Insert for micro tubes of 1.5ml/2ml - 1 No.
- Insert plain for conical/volumetric flask - 1 No.

Specification

Of Vortex Shaker(Analog Model)



Compact, rugged construction.

Choice of continuous & touch mode.

Variable speed control.

Maximum speed 3000 RPM.

To Work on 220Volts + 10% 50 HZ A.C

Heavy metallic base fitted with rubber vacuum feets which prevents the movement of shaker during use.

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Industrial Orbital Shaker

These Shakers are ideal for mixing and development of cultures, chemicals, solvents, and assays etc. in Microbiological, Cell Culture & Life Science laboratories.

About

The Unit has base assembly fabricated from heavy mild steel sections. Brush less Induction drive motor with frequency drive makes the unit suitable for continuous non-stop operation. Step less electronic frequency control ensures gentle start and maintains preset speed. Compact counter balanced drive mechanism ensures high stability and reliability even in continuous operation & uneven load distribution.



Key Features

Of Industrial Orbital Shaker



Type of movement: Rotational

Speed Range: 10 to 300 RPM

Speed Control: Digital

Speed display: Digital

Clamps: 25 clamps of 250 ML. Lotus type

Operation Mode: Continuous Operation

Timer Option: Yes

Display: LCD

Platform Size: 20"x20"

Permissible ambient temperature: 5-40 Degrees C

Permissible relative moisture: 80%

Motor Type: PMDC Stepper Motor

Maximum Load: 12 Kgs.

Voltage: 220-240 Volts AC

Model No.: LSI-SHM-OSKR-Digi-DLX

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Rotary SHAKER

These Shakers are ideal for mixing and development of cultures, chemicals, solvents, and assays etc. in Microbiological, Cell Culture & Life Science laboratories.

About:

The Unit has base assembly fabricated from heavy mild steel sections.

Brushless Induction drive motor with frequency drive makes the unit suitable for continuous non-stop operation. Step less electronic frequency control ensures gentle start and maintains pre-set speed.

Compact counter balanced drive mechanism ensures high stability and reliability even in continuous operation & uneven load distribution.



Technical Features Of Rotary Shaker



Type of movement	Rotational
Speed Range	40 to 250 RPM
Speed Control	Manual
Speed display	Digital
Clamps	SS Lotus type
Operation Mode	Continuous Operation
Timer Option	Yes
Dimensions	40x50x25 CM
Weight	20 Kgs.
Platform Size	16"x16"
Permissible ambient temperature	5-40 Degrees C
Permissible relative moisture	80%
Motor Type	PMDC Motor
Maximum Load	12 Kgs.
Voltage	220-240 Volts AC

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RECIPROCATING SHAKING MACHINE

Reciprocating shakers by Lab Solution India are ideal for mixing blood samples, chemical extractions and silver staining of proteins in polyacrylamide gels. Also called Kahn Shaker or reciprocating mixer machine, these units are fitted with analog control system; variable speed control enables you to operate the machine with gentle or vigorous mixing speed. In addition; these reciprocating shakers can also be used in warm rooms, environmental chambers, large refrigeration units and incubation systems. Platform is adjustable, provides you flexibility to change dimensions of compartments by adjusting rods. Our reciprocating shakers come with number of optional accessories in order to make the machine suitable with variety of applications; different sizes of flasks, bottles, tube racks are available on request.

About:

Durability is one of the most exciting features that stand out our reciprocating shakers among other models available on the Indian market today. These units are built for years of long services life; power coated Mild Steel (MS) construction ensures durable performance anywhere they used. To know more about our reciprocating shaker models including price, scope of customization and availability, please submit your query, our sales executives will assist you with all the information you need.



Key Features

Of Reciprocating Shaking Machine



Speed	50 to 250 rpm
Motion	Reciprocating
Control	Variable speed control
Construction	Powder Coated MS
Power	220 / 230 Volts 50 Hz
Optional	<ul style="list-style-type: none"> - 0 - 60 minutes mechanical timer - Digital timer - Digital rpm - Tube racks - Bottle holder

Reciprocating flow motion	Adjustable Kahn racks
Variable speed control	Long service life
Available in choices of platforms	Heavy duty steel construction

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VDRL SHAKER

VDRL shaker is an essential equipment for a Venereal Disease Research Laboratory, where it is used for the mixing of syphilis testing card, emulsion reaction, and complement fixation reaction while can also be used to blends of clinical diagnostic tests requiring gentle agitation. Bionics Scientific, designs and manufactures VDRL Shakers that are compact, durable and offer fixed as well as variable speed controls and can accommodate wide range of VDRL Slides, Small Flasks, Bottles & Beakers.

Features:

- Compact design, durable construction
- Smooth mixing
- Platform with holder clamp and springs
- Heavy duty motor
- Highly balanced drive mechanism
- Non-slip rotating base
- Ideal for serological & syphilis tests
- Uniform speed



Specifications Of VDRL Shaker



Shaking speed 40 to 200 rpm

Amplitude 10 mm

Timer can be set up to 999 minutes

Micro controller based programme


Brushless Motor

Interchangeable Platform

LED display

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VDRL SHAKER

(Digital Model)

VDRL shaker is an essential equipment for a Venereal Disease Research Laboratory, where it is used for the mixing of syphilis testing card, emulsion reaction, and complement fixation reaction while can also be used to blends of clinical diagnostic tests requiring gentle agitation. Bionics Scientific, designs and manufactures VDRL Shakers that are compact, durable and offer fixed as well as variable speed controls and can accommodate wide range of VDRL Slides, Small Flasks, Bottles & Beakers.

Features:

- Compact design, durable construction
- Smooth mixing
- Platform with holder clamp and springs
- Heavy duty motor
- Highly balanced drive mechanism
- Non-slip rotating base
- Ideal for serological & syphilis tests
- Uniform speed



Specifications Of VDRL Shaker (Digital)



Shaking speed 40 to 200 rpm

Amplitude 10 mm

Timer can be set up to 999 minutes

Micro controller based programme

Brushless Motor

Interchangeable Platform

LED display

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VDRL Shaker With Microprocessor Based Controller

LAB SOLUTION INDIA, designs and manufactures VDRL Shakers that are compact, durable and offer fixed as well as variable speed controls and can accommodate wide range of VDRL Slides, Small Flasks, Bottles & Beakers.

About:

VDRL shaker is an essential equipment for a Venereal Disease Research Laboratory, where it is used for the mixing of syphilis testing card, emulsion reaction, and complement fixation reaction while can also be used to blends of clinical diagnostic tests requiring gentle agitation.



Key Features

Of VDRL Shaker With Microprocessor Based Controller



Compact design, durable construction

Smooth mixing

Platform with holder clamp and springs

Heavy duty motor

Highly balanced drive mechanism

Non-slip rotating base

Ideal for serological & syphilis tests

Uniform speed

Specifications:

- Micro controller based programme
- Brushless Motor
- Interchangeable Platform
- LED display

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Wrist Action Shaker

It has a heavy cast iron base with rugged construction and two side arms for holding flasks. Fitted with the heavy-duty motor with variable speed can hold flask from 100 to 1000ml. Capacity to Hold 2 Flask, 4 Flask or 8 flask.

About:

We are engaged in offering wide range of Wrist Action Shaker. Our experienced designers have used their vast knowledge and advance technology to make it a worthy product at market leading price. Client can avail these from at industry leading.

- Resembles hand mixing and is an appropriate solution for dissolution, extractions & homogenization.
- Easily Detachable arms.
- Timer option for accurate mixing time.
- Digital RPM controller available for exact results.



Key Features Of Wrist Action Shaker



Body	Made of Mild Steel Powder coated
Motor	Heavy duty geared DC motor
Speed	Variable Speed
Shaking Angle	0 to 15°
Speed	20 to 450 RPM
Max Load	10 lb.
Clamps	2 Clamps to hold four Vessels
Oscillations	Max, 450 per minute
Timer	1 to 60 Minutes Timer or Continuous running
Unit Dimensions	17.5" L x 17.5" W x 12" H
Unit Weight	@ 15 Kgs.
Mounted on	Heavy duty Vacuum Cups
Power Supply	220 V Single Phase

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