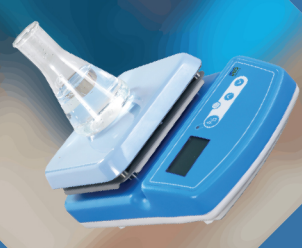
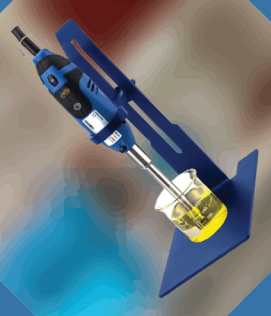
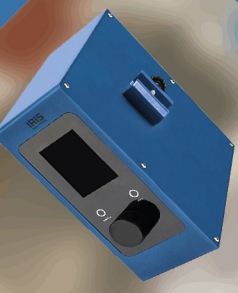




Homogenizers & Dispersers



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Laboratory overhead stirrers and homogenisers are specially designed for mixing or power homogenising laboratory samples.

Iris offers the ideal overhead stirrer for your stirring and mixing tasks in the lab - for lower to high viscosities. Iris overhead stirrers effortlessly process stirring quantities of up to 100 litres.

Remotely Controllable Ultra High Torque /High Speed Stirrers are suitable for samples up to maximum viscosity of 300000cps and maximum speed of 3000rpm with LCD display for Speed and Torque and On-Touch control panel.

Iris Laboratory homogenisers take on tasks that other stirring methods can't perform. They are selected when the objective is thorough mixing of samples or the processing of samples for further analysis. Handheld and High Speed Homogenisers are designed for rapid homogenisation, dispersion and emulsifying applications.

Magnetic Stirrer

We offer a broad range of top-quality magnetic stirrers. On account of its unique quality, our magnetic stirrers have known globally in biotechnology, biomedicine, life-science and wide-ranging laboratories applications. The compact, robust and convenient design magnetic stirrers with excellent speed control although plate remains cool during stirring, digital LCD screen to display data simultaneously.



The aluminium alloy external casing facilitates cleaning and sterilization for precise applications including stirring viscous fluids, mixing polymers, starches, reagent mixing, and aqueous solution. The potent and prolonged heating capacity of 220 V decreases process times. Come up with quick functions like the heat indicator, heat-function and circuit make the magnetic stirrer the safest in relation to heating and mixing.

Magnetic Stirrer IMS-1000 Series

Magnetic Stirrer IMS-1000 Series compact, robust and ergonomic design magnetic stirrers with excellent speed control and digital LCD screen to display data simultaneously. The aluminium alloy external casing facilitates cleaning and sterilization and easily accommodates stirring capacity up to 12 L of water. The magnetic stirrer ensures the best level of protection for the user. The power board is assuredly handy, is elevated and positioned at a secure from sources of heat and is secure in case of damage during liquid spills.



The IMS come up with constant torque over a speed range from 200 to 1800 rpm. Embedded with an alarm system, timer, auto-switching temperature mode, and aluminium plate ensuring top quality thermoregulation performance and maximum safety. The Magnetic Stirrer allows the buyer to smoothly stir up to heat up to a temperature of 200°C with a high degree of accuracy.

- Stir range from 200 to 1800 rpm on each stirring position with individual controls
- LCD display for real temperature, power indication, function selection, stirring speed as well as running on
- Heat to maximum temperature of 200°C on plate surface
- Available with hotplate with dimension up to 180×180 mm, 130×130 mm, and 180×180 mm
- Designed with aluminum plate
- Maximum capacity of stirring: 12 L
- Plate Temperature Range: RT +5 to 320°C
- Liquid Temperature Range: RT +5 to 200°C
- Auto switch-off mode
- Heating and stirring can proceed simultaneously. Heating mantle power and stirring speed is step-less adjustable
- External chamber are cast with aluminum alloy designed to keep spills out of the case
- Portable and easy to carry anywhere and anytime

Homogenizers

Iris offers laboratory homogenizers from handheld to high-speed homogenizer to provide a fast and stable process for high-quality results. A wide range of rotors is available for application flexibility to the highest laboratory requirements.



The stator type handheld homogenizer can be used by one hand in its entire homogenizing process with enough speed and power to emulsify, suspend, cut-up, and disrupt.

Handheld Homogenizer IH-1000 Series

The Handheld Homogenizer IH-1000 Series is Rotor / stator type handheld homogeniser. Operation can be finished by one hand. Enough speed and power to emulsify, suspend, cut-up, and disrupt.



- Rotor / stator type handheld homogenizer
- Rapid homogenization, dispersion, and emulsifying possible
- Operation with 0.1 - 50 ml or 1 - 125 ml volumes possible
- Suspended material is drawn into the core by a rotor with a speed of up to 30.000 rpm
- Material is repeatedly cycled through narrow slits, rapidly sheared and disintegrated via high speed mechanical action
- Complete homogenization of tissues in a few seconds
- Very low heat production
- Support rod for convenient placing optionally available

High Speed Homogenizer IH-2000

The High Speed Homogenizer IH-2000 is an easy to handle disperser which provides a fast and stable process for high quality result. A wide range of rotors is available for application flexibility to highest laboratory requirements.



- Simple and easy to handle
- Fast and stable process for high quality results
- Enough speed and power to emulsify, suspend, cut-up, and disrupt
- Rotor/Stator independence for maximum flexibility
- Wide range of rotors for application in various environments
- Overload protection

Overhead Stirrers

Iris laboratory overhead stirrers and homogenizers are specially designed for your stirring and mixing tasks in the lab - for lower to high viscosities. Iris overhead stirrers effortlessly process a stirring volume of up to 100 liters. The overhead stirrers are suitable for samples up to maximum viscosity.



Overhead Stirrers OS-1000 Series

Overhead Stirrers OS-1000 Series suitable for all kinds of conventional mixing applications. The simple and intuitive operation can significantly improve the work efficiency in the laboratory. rent optional impellers.



- Directly connectable to the computer via RS-232 cable for remote control
- Equipped with digital input/output ports and foot pedal port for various applications
- Suitable for stirring in reaction systems or stirring applications linked to other equipment
- Rotation speed can be lowered to 20 rpm for very sensitive stirring processes
- Brushless DC motor, which is very suitable for long-term experimental applications
- Stable and accurate stirring process due to latest micro-processor technology
- Totally enclosed and compact casing
- Stable and quiet working process
- Internal overload protection
- Adjustable impeller shaft for different heights
- Soft start at low speed guarantees a smooth and safe stirring process
- Suitable for applications in various environments
- Comes with a reversible rotation function
- The standard version package entails the overhead stirrer, a stand, rod, and clamp, as well as a stainless steel impeller
- Availability of a wide range of different

Overhead Stirrers OS-2000 Series

The Overhead Stirrers OS-2000 Series are smart laboratory companions which give you complete control over complex stirring processes. The WB3000-D has a speed range of up to 3000 rpm.



- Brushless DC motor
- Totally enclosed and compact metal casing
- Smart and convenient on-touch control
- Bright LED screen, which can display stirring speed and torque
- Transmission can be switched between low speed / high torque, and high speed / low torque
- Spinning chuck protection
- Precise speed adjustment
- Set speed can be maintained when viscosity of liquid changes
- Easy and time saving impeller adjustments
-

Overhead Stirrer OS-3000 Series

Overhead Stirrer OS-3000 Series suitable for reaction systems and other high torque / high speed applications. Designed with German made Brushless DC motor for high performance stirring processes.



- Suitable for reaction systems and other high torque / high speed applications
- Set speed can be maintained when viscosity of liquid changes
- Brushless DC motor made in Germany for high performance stirring processes
- Maintenance-free
- Quiet and reliable
- Digitally adjustable rotation speed and direction
- Remote controller can display actual speed and actual torque as well as the set speed
- Monitoring and control via PC software

