

rotating mixer with 0 to 90 angle adjustment of the tray

By precisely controlling the speed and time, the rotating mixer is able to ensure the homogeneous mixing of samples without destroying them. It allows the sample to rotate continuously at a uniform speed for a longer period of time and is suitable for experimental processes that require precise mixing.

Rotating Mixer

Features

1. Human-computer friendly interface with key operation and LED display for real-time timing and speed settings—simple, intuitive, and easy to use.
2. Diversified centrifuge tube fixture supports various tube sizes (1.5 ml to 50 ml), expanding application scenarios.
3. Adjustable turntable tilt angle (0° to 90°, with clear scale markings) for accurate setting and optimal mixing effect.
4. High-performance, long-life motor drive with high-precision speed adjustment, strong stability, and minimal maintenance.
5. Gentle, uniform mixing avoids cell damage—ideal for sensitive sample requirements.



6. Easy-to-clean design with removable tube fixture for maintaining hygiene and work efficiency.
7. Timing and alarm function (0-99 minutes and 59 seconds) for accurate operation; audible alarm signals at timer end.
8. Sustainable operation—supports untimed, continuous use for various experimental needs.

Core Advantages

1. Precise mixing effect via rotation and up/down motion, ensuring uniform results and avoiding sample stratification.
2. Adaptability for diverse experiments: chemical reactions, cell culture, blood testing, DNA extraction, and more.
3. High stability and low maintenance: long-life motor and maintenance-free design for reduced equipment failures and costs.
4. Intelligent control and real-time display: LED display and timing improve transparency, accuracy, and repeatability.
5. Wide adaptability: fits various centrifuge tube capacities for flexible sample processing.

Working Principle

1. Samples are fixed on the rotary disk, which rotates around its axis, generating centrifugal force.
2. Up and down force: Radially-placed samples experience up/down vibration for thorough mixing.
3. Rotational force: Turntable rotation ensures uniform long-term mixing.
4. Adjustable tilt angle (0° to 90°) allows mixing method customization to experimental needs and helps prevent sample loss.

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Model	R40
Motion	rotating around a axis
Capacity	1.5ml to 50ml
Tilt angle	0 to 90 degree
Speed range	10 rpm to 80rpm
Timer	0 to 99 hour 59 minutes or continuous
Power supply	100Vac to 230Vac 50Hz, 60Hz, 30W

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Model	R40
Dimensions	250x320x300mm
Weight	4.5kg