

## rotator mixer with adjustable speed for many types of tubes

Rotator mixer can meet different experimental needs by adjusting different oscillation methods and speeds, mainly used for uniform mixing of liquid samples, widely used in molecular biology, chemical analysis, clinical testing and other fields.

### Rotator Mixer

#### Main Features

1. Multi-angle oscillation adjustment: Supports all-round vibration (0–360°), freely adjustable oscillation angle and time to suit experimental requirements.
2. Adjustable speed range: Both oscillation and rotation speeds can be freely set for flexible sample processing.
3. Various fluctuation modes: Medium/long wave motion for large particles and culture media; short wave vibration for fine dispersion of small particles.
4. Flexible tube adaptation: Freely combinable tube clamps accommodate 0.2ml–50ml test tubes and containers.
5. LCD display: Large, intuitive screen shows speed, time, angle, and other parameters in real time for easy adjustment.



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6. Programmable operation: 2 custom programs (each with 6 band settings) and 10 preset programs cover common experimental needs and allow for tailored mixing modes.
7. Wide applicability: Operates in routine labs, refrigerators, and incubators—ideal for low-temperature sample processing.
8. High stability: Quiet, low-vibration operation protects experimental data accuracy.

### **Advantages**

1. High flexibility: Adapts to various tubes, containers, and sample types for broad applicability.
2. Efficient mixing: Adjustable modes and speed ensure homogeneous mixing from micro samples to large volumes.
3. Convenient operation interface: User-friendly panel simplifies setup for quick start.
4. Space-saving design: Compact size fits space-limited labs and special environments (incubators, biosafety cabinets).
5. Precise control: Custom programs and wave settings allow for exact mixing control, boosting repeatability and accuracy.

## Working Principle

The rotator mixer combines rotation and vibration for effective sample mixing. Speed, angle, and vibration mode are all adjustable, allowing the device to efficiently agitate large particles/viscous liquids (long amplitude vibration) or disperse small particles (short amplitude vibration). This dual-motion design ensures optimal processing for different sample types.



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<b>Model</b>	<b>R10</b>
Rotation speed	1rpm to 99rpm
Capacity	0.2ml to 50ml
Timer	1minute to 99hours 59minutes or continuously
Program storage	2 programmable and 10 self-contained programs
Operating temperature	+2° to +70°C
Adaptor	12Vdc, 1000ma
Power supply	100 to 240V 50-60Hz, 3A
Dimensions	290x138x200mm
Weight	2.0kg