

# Mixing



Labfirst Scientific Instruments (Shanghai) Co., Ltd.

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# Orbister 330 basic

Fixed Plate LCD Digital Orbital Shaker



## **Orbister 250 basic** LED Digital Orbital Shaker





Timer

#### **Features**

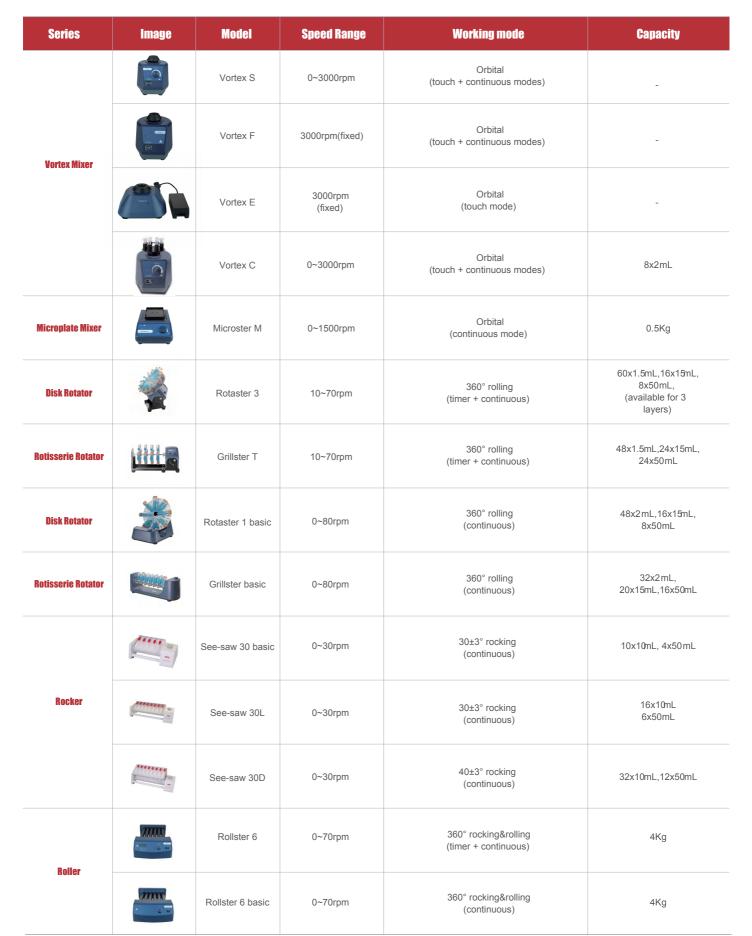
- Double-screen display for time and speed respectively
- Compact footprint
- Provides smooth and uniform shaking
- Two options:
  9.8kg (Orbister 330 basic) and speed range 70-400rpm,
  3.1kg (Orbister 250 basic) and speed range 40-200rpm
- Continuous or timer operation mode
- Maintenance- free brushless DC motor
- Over speed detection and protection

### **Applications**

Orbital Shaker is ideal for applications like bacterial suspension, solubility studies, growth of bacteria and yeast, extraction procedures, washing procedures, diagnostics tests, hybridization, general mixing, staining & destaining, mixing, and extracting.

It is suitable for almost any vessel from micro-centrifuge tubes through petri dishes and microplates to conical flasks.

Specifications	Orbister 250 basic	Orbister 330 basic	
Orbital diameter	20mm	10mm	
Max. load capacity (with platform)	2kg	3kg	
Motor type	Brushless DC motor	Brushless DC motor	
Motor input power	20W	20W	
Motor output power	16W	15W	
Speed range	40-200rpm	70-400rpm	
Speed display	LED	LCD	
Timer display	LED	LCD	
Time settings range	1min-19h59min	1min-19h59min	
Voltage, Frequency	100-240V,50/60Hz	100-240V,50/60Hz	
Power	20W	25W	
Weight	3.1kg	9.8kg	
Permissible ambient temperature and humidity	5-40°C,80%RH	5-40°C,80%RH	
Dimension[W×D×H]	294×348×123mm	420×370×100mm	
Protection class	IP21	IP21	
Work plate Dimension [W x D]	268x268mm	335×335mm	



Lab1st mixers range can be divided into different series as per mixing speed, working mode, load capacity etc:

Series	Image	Model	Plate Size	Display	Speed Range	Max. Load Capacity
Orbital Shaker		Orbister 330	32x32cm	LCD	100-500rpm	7.5Kg
		Orbister 250	25x24.5cm	LCD	100-800rpm	2.5Kg
		Orbister 330 basic	33.5x33.5cm	LCD	70-400rpm	ЗКg
		Orbister 250 basic	26.8X26.8cm	LED	40-200rpm	2Kg
Linear Shaker		Recipster 330	32x32cm	LCD	100-350rpm	7.5Kg
	88	Recipster 250	25x24.5cm	LCD	100-350rpm	2.5Kg
Rocking Shaker		Wavester 330	30x28.5cm	LCD	10-70rpm	10Kg
		Wavester 250 basic	26.8x26.8cm	LED	10-80rpm	2Kg
3D Shaker		3D-Ster 330	30x28.5cm	LCD	10-70rpm	5Kg

Lab1st shaker series can be divided to different types as per different motion models: