



Product Catalog

SHANGHAI RONG TAI BIOCHEMICAL ENGINEERING CO., LTD.

Rong Tai
Enterprise WeChat



Rong Tai
Official Website



Rong Tai WeChat
Official Accounts



Contents

Adjustable Speed Mini Centrifuge	01
Temperature Control Circular Shaker	02
Light Circular Shaker	04
Microplate Oscillator	06
Digital Display Circular Oscillator	08
MINI Rotary Mixer	10
Flip Mixer	12
Heating Magnetic Stirrer	13
Vortex Mixer	14

Adjustable Speed Mini Centrifuge



Scope of application

Serum extraction from whole blood, various sample extraction supernatant, sample rapid sedimentation, micro-blood cell separation, microbial sample processing, PCR experimental zoning centrifugation.

Portable and efficient three-in-one large radius rotor
compatible with 2.0ml, 1.5ml, 0.5ml, 0.2ml four kinds of centrifugal tubes

Unique rotor buckle design
easy to replace the rotor

LED display, can set the time and speed
more scientific and rigorous

Ultra-low noise, stable operation
using maintenance-free motor durable, safe and reliable

Main Technical Parameters

Brand: Shanghai Rong Tai

Model: LX-12KT

Max speed: 12000rpm

Max RCF: 8049xg

Input voltage: 220V 50Hz

Time setting: 1-99minutes

Sample handling capacity:

12×2.0ml, 1.5ml, 0.5ml, 0.2ml (centrifugal tube); 0.2ml ×8×4 (0.2ml PCR tube); 0.2ml ×12×4 (0.2ml PCR with 12 tubes)

Gross weight: 3kg

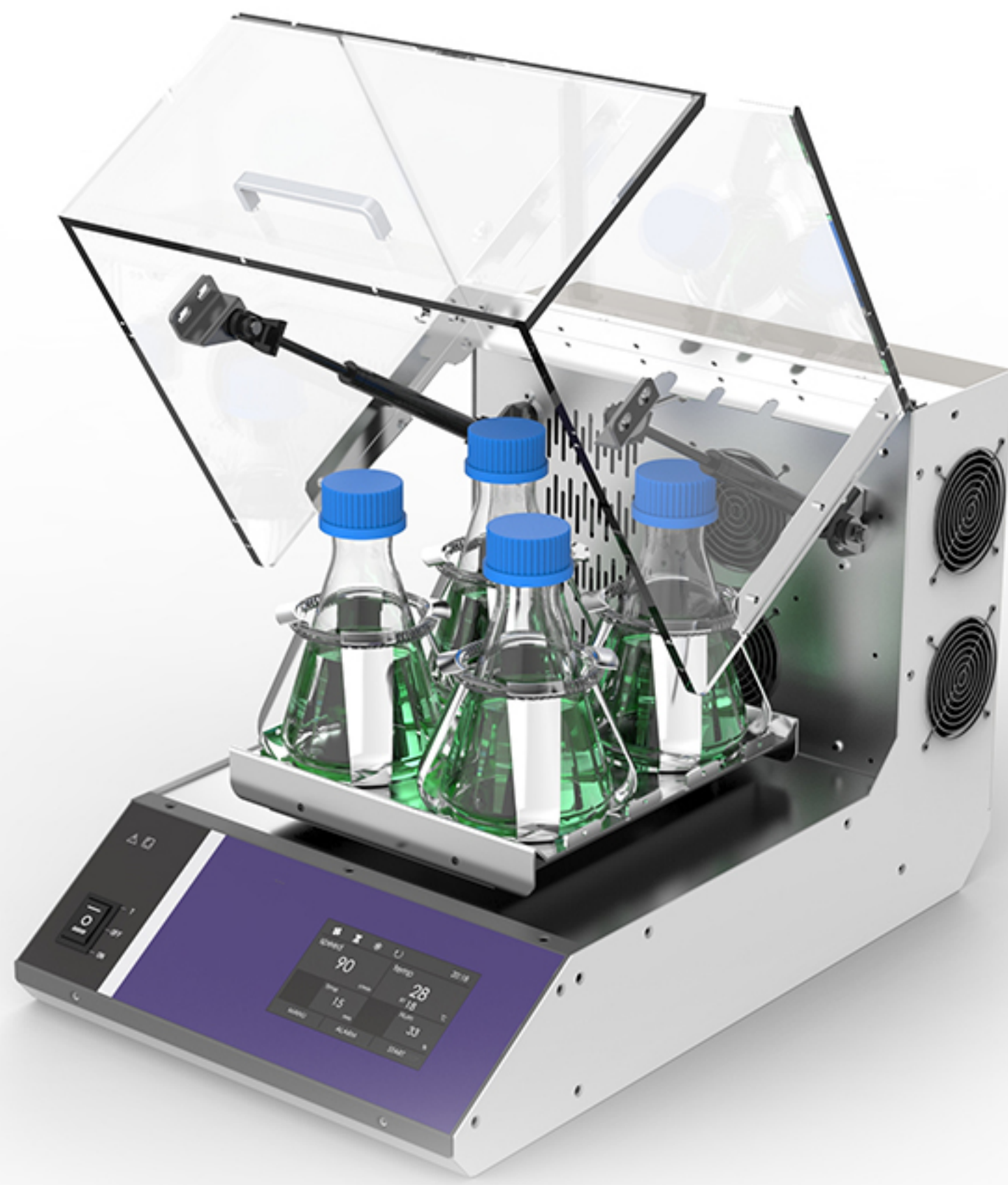
Net weight: 1.7kg

Noise: ≤45dB(A)

Dimensions: (L×W×H) : 18×24×11cm

Outer packing size (L×W×H) : 31×28×30cm

Temperature Control Circular Shaker



Main Technical Parameters

Brand: Shanghai Rong Tai	Model: TZ240	Speed range : 10-300rpm
Frequency accuracy: ± 1 rpm	Oscillation diameter: 20mm	Timing range : 0-9999min
Constant temperature fluctuation : ± 0.1 degrees	Maximum capacity : 500ml triangular bottle -4 PCS	
Standard fixture : 240mm×240mm×65mm single-layer spring net	Drive mode: DC brushless motor	
Temperature control range: room temperature -65 degrees Celsius	Inner cavity size : 32cm×32.7cm×23.9cm	
Display mode: touch screen display and setting	Temperature control accuracy : 0.1 degree	
Number of pallets: various clamps can be replaced	Working environment temperature : 5-45 °C	
Control mode: touch screen display and setting (man-machine interface) + precision PID control temperature control speed		
Power supply : 220V/50HZ AC input	Heating power : 400W	
Optional fixture: triangular bottle fixture, flat tray, double tray, test tube fixture, microporous plate clamp and so on		
Whether the fixture is replaceable: A variety of fixtures can be replaced		
Oscillation mode: circular oscillation (reciprocating oscillation can be customized)		
Door opening mode: upside-down fully open structure (very convenient to use)		Door size : 38.4cm
Net weight : 18.44kg	Gross weight: 20kg	Internal height : 20.6cm
Dimensions : 64cm×38.4cm×39.5cm		Outer packing size : 78cm×51cm×52cm

Fixture list

NO.	Fixture Model	Description	Fixture Image	Matching Product Model
1	SA01	Double flat tray		TZ240
2	SA02	Double spring net		TZ240
3	SA03	Triangular bottle jig 250ml triangular bottle -5 pieces		TZ240
4	SA04	Rubber band holding flat tray		TZ240
5	SA05	Ordinary flat tray		TZ240
6	SA06	Sandwich tray		TZ240
7	SA07	Increase the flat tray 240X300MM	customize	TZ240
Fixture can be customized according to customer needs				

Light Circular Shaker



Product Advantages

Large diameter circular oscillation efficient mixing

Weighted metal base effectively increase oscillation stability

Aluminum alloy tray, oxidation coating good corrosion resistance

The tray has a quick disassembly design
effectively improve the efficiency of fixture replacement

Can be selected a variety of fixtures
for a variety of utensils and a variety of flux experimental needs

Equipped with 90w DC motor the maximum load can reach 2kg

Timing function easy to set and repeat experimental conditions, fine control of the experiment process

Main technical parameters

Brand: Shanghai Rongtai	Model: SC240-1	Working mode: continuous/timed
Load weight: 2KG	Oscillation diameter: 30MM	Fixture size: 240-240MM
Mode of oscillation: circular oscillation		
Allowable ambient temperature: 5-40 degrees Celsius		Timing range: 0-180MIN
Speed range: 30-250RPM	Speed display: scale	Timing display: scale
Motor power: 90W	Net Weight: 5kg	Gross weight: 6kg
Product Size: 24×31.6×10.9cm		Outer packing size: 42×41×26cm

Fixture list

NO.	Fixture Model	Description	Fixture Image	Matching Product Model
1	SA01	Double flat tray		SC240-1
2	SA02	Double spring net		SC240-1
3	SA03	Triangular bottle jig 250ml triangular bottle -5 pieces		SC240-1
4	SA04	Rubber band holding flat tray		SC240-1
5	SA05	Ordinary flat tray		SC240-1
6	SA06	Sandwich tray		SC240-1
7	SA07	Increase the flat tray 240X300MM	customize	SC240-1
Fixture can be customized according to customer needs				

Microplate Oscillator



Product Advantages

The oscillation speed can be adjusted

Quiet design low noise

There are a variety of fixtures available

can be applied to enzyme plate, deep hole plate, culture plate, 96 hole plate and so on

There is a balanced counterweight, and weighted bottom plate

can greatly improve the oscillation stability, reduce noise

The power adapter is external

the internal voltage of the body is 24V, good safety performance

With timing function

easy to control the time and reproduce the experiment

There are 4 oscillating positions

can handle four enzyme label plates at the same time

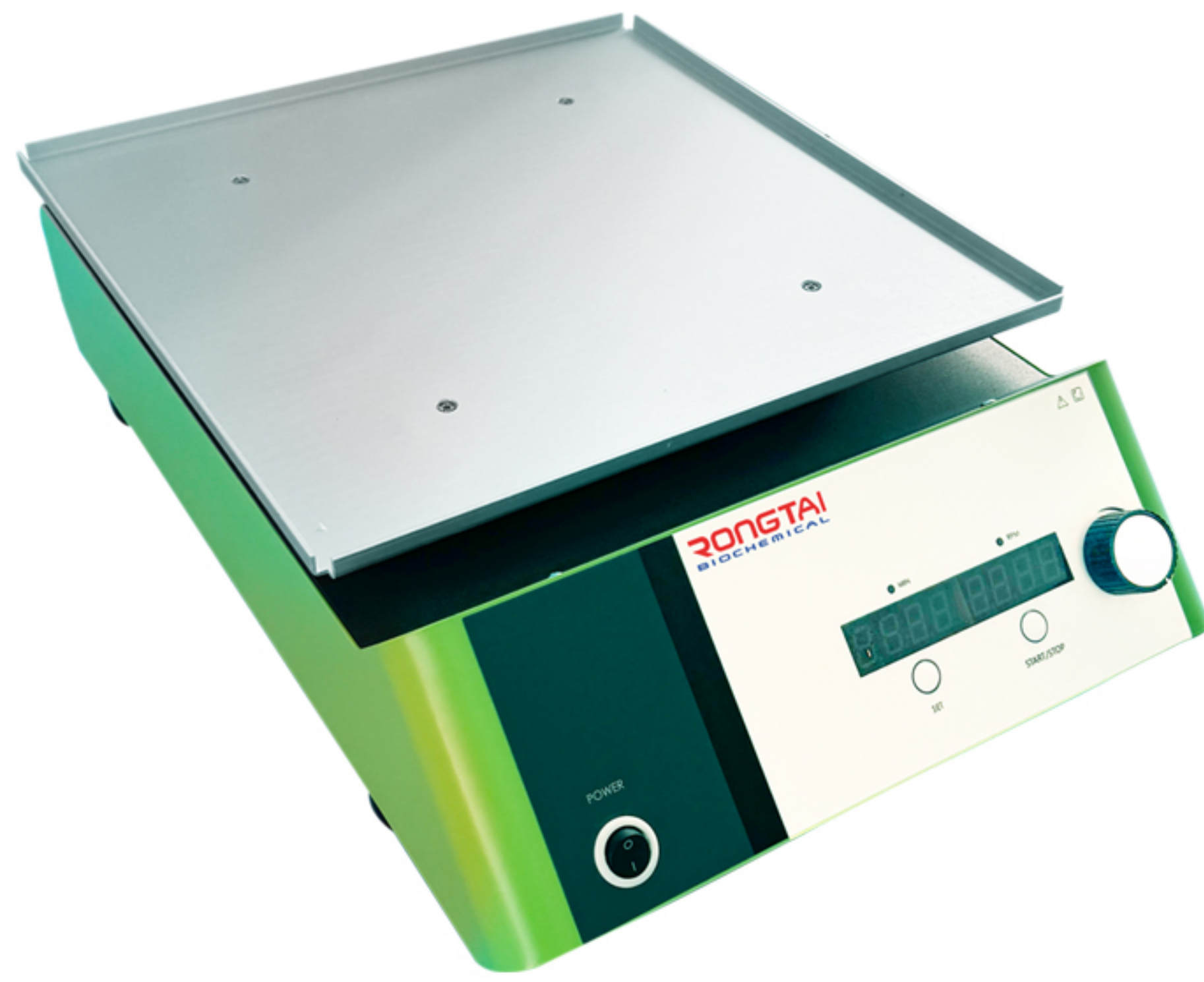
Parameter Description

Brand: Shanghai Rong Tai	Model: MPS-4	Mode of oscillation: circumference
Oscillation radius: 1.5mm	Maximum capacity: 4 PLATES	Motor power: 25W
Standard fixture: microporous plate clamp /4 pieces	Working mode: continuous/timed	
Optional fixture: deep hole plate / 96-hole plate/blood vessel collection/centrifugal tub		
Test vessel: enzyme plate / 96-well plate/deep-hole plate/culture plate		Timing display: scale
Speed range: 50-1200 RPM	Timing range: 180 minutes	Speed display: scale
Gross weight: 8.5kg	Net weight: 7.5kg	
Dimensions: 32.5×27×15cm	Outer packing size(L*W*H): 41*41*26cm	

Fixture list

NO.	Fixture Model	Description	Fixture Image	Matching Product Model
1	SS10	Blood collecting vessel /14pieces		MPS-4
2	SS11	15mlCentrifuge tube/20pieces		MPS-4
3	SS12	Deep hole plate /4 pieces		MPS-4
4	SS13	Microporous plate /4 pieces		MPS-4

Digital Display Circular Oscillator



Product Advantages

Circular oscillation

With speed control function, timing function, LED digital display
easy to repeat the experimental conditions, accurate experimental process

All metal base stable oscillation, heavy load, the maximum load of 5kg

DC brushless motor, long life

Aluminum alloy tray, oxidation coating, good corrosion resistance

Large tray, oxidation coating, good corrosion resistance

A variety of fixtures can be selected for a variety of utensils and high throughput experiments

Parameter description

Brand: Shanghai Rong Tai	Model: SC 100C-2	Oscillation radius: 15mm
Mode of oscillation: Circular oscillation	Working mode: Continuous/timed	
Motor power : 50W	Maximum capacity: 500ML triangle bottle /9 pieces	
Matching fixture: Double-layer flat tray/clamp tray/spring mesh fixture/triangular bottle fixture/test tube oscillation fixture/polyurethane viscous flat pad/drug particle test fixture		
Suitable utensil: 96-well plate / 384-well plate/Microwell plate 50ML/15ML/2ML/Variou centrifugal tubes/ various test tubes/Xilin bottles		
Speed range: 30-250RPM	Speed display: LED digital display	Timing range: 99H59Min
Timing display: LED digital display	Standard fixture: Flat tray (rubber pad)	
Net Weight: 18.5kg	Gross weight: 20kg	
Product Size: 48.5×33×14cm	Outer packing size(L*W*H): 65×55×42cm	

Fixture list

NO.	Fixture Model	Description	Fixture Image	Matching Product Model
1	SS15	Single layer sandwich tray		SC100C-2/SC390/ SC320
2	SS16	Test tube oscillating fixture 50ml centrifugal tubes /18 pieces		SC100C-2/SC390/ SC320
3	SS17	Ordinary flat tray		SC100C-2/SC390
4	SS18	Triangular bottle clamp 1000ml triangle bottle /5 pieces		SC100C-2/SC390/ SC320
5	SS19	Triangular bottle clamp 250ml triangular bottle /16 pieces		SC100C-2/SC390/ SC320
6	SS20	Triangular bottle clamp 250ml triangular bottle /9 pieces		SC100C-2/SC390/ SC320

MINI Rotary Mixer



List of attachments:

1. power adapter, 220V input, 24V output
2. power cord, 220V
3. Product specifications

Product Advantages

Quiet motor, long service life

Two mixing angles are optional

Can quickly replace the fixture
easy to use one machine

Optional fixtures are rich
there are more than 8 kinds of optional fixtures

Anti-overturning design
all metal fuselage, weighted chassis

Ultra-small body
full height less than 190mm, easy to put into all kinds of temperature control box

Parameter Description

Brand: Shanghai Rong Tai	Model: RT100A	Blending system: Rotary mixing
Maximum bearing capacity: 1.5ML centrifugal tubes /42 pieces		Disk diameter: 160MM
Blend elevation Angle: Tilt 30 degrees or 60 degrees		Speed range : 25RPM/ constant speed
Serviceable ware: Test tube/centrifuge tube/cillin bottle		
Motor power: 15W	Net Weight: 2.5kg	Gross weight: 3kg
Dimensions/Standard fixture: 15×17.5×15.5cm		Outer packing size(L*W*H): 33*28*32cm

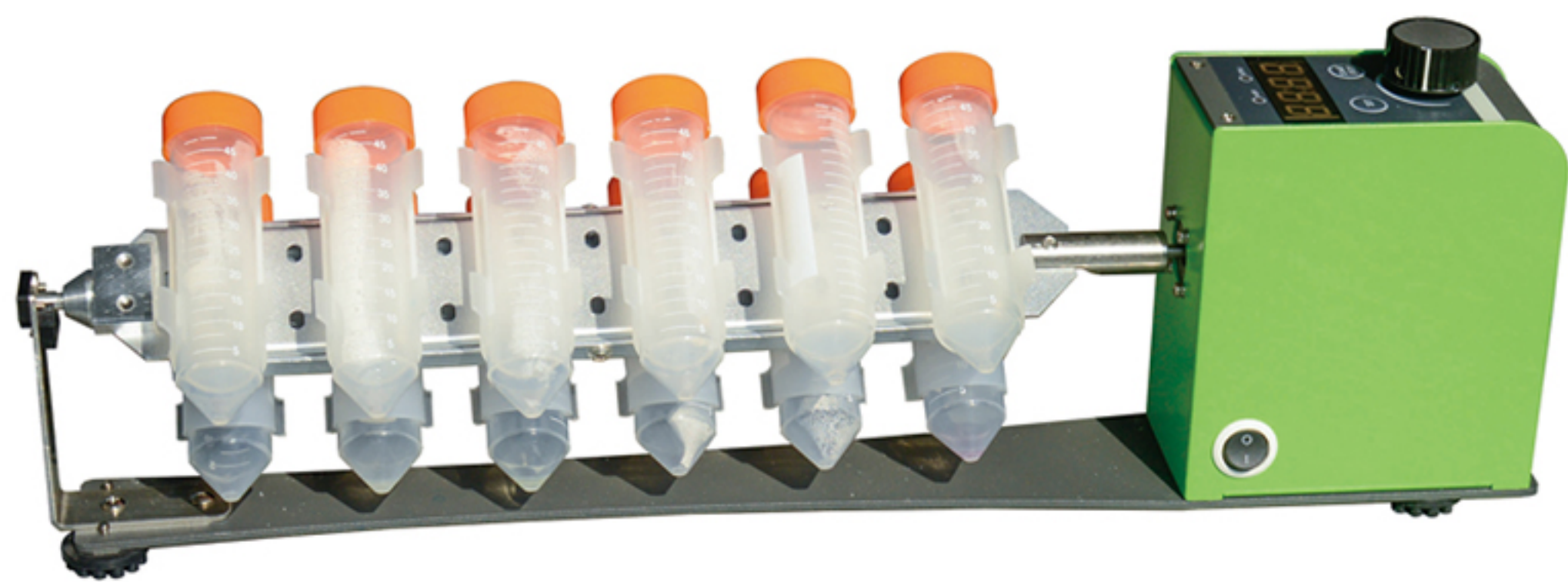
Fixture list

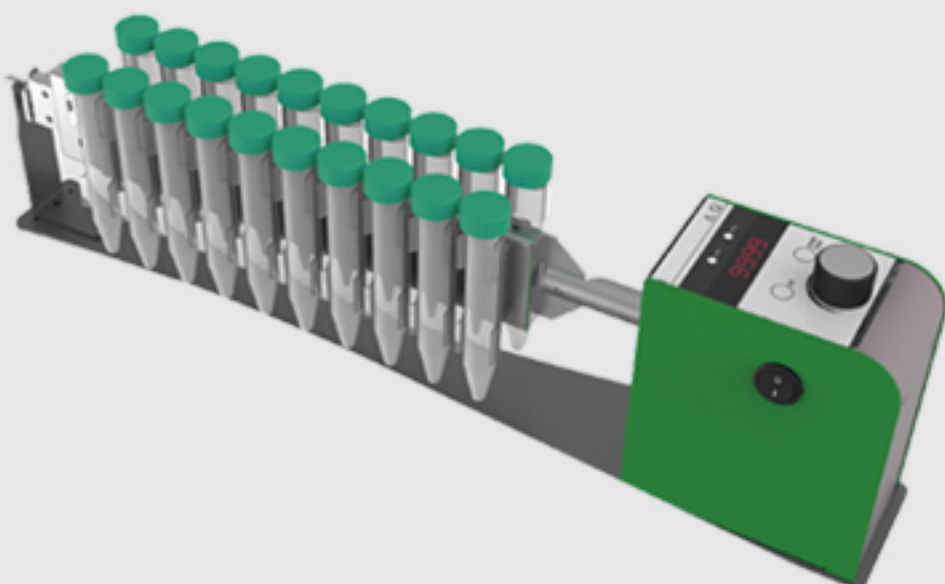

NO.	Fixture Model	Description	Fixture Image	Matching Product Model
1	SR12	1.5 ml centrifuge tubes/ 42 pcs(Double-layer)		RT100A
2	SR13	(Double-layer) 50ml centrifuge tubes/3 pcs + 15ml centrifuge tubes/3 pcs		RT100A
3	SR14	Vials/12pcs		RT100A
4	SR15	50ml centrifuge tubes /6 pcs		RT100A
5	SR16	50ml centrifuge tube/8pcs+1.5ml centri- fuge tubes/21pcs		RT100A

*Fixtures can be customized according to customer

Flip Mixer

Fixture list



NO.	Fixture Model	Description	Fixture Image	Matching Product Model
1	SR18	15ml centrifugal tubes /20 pieces		TRS 150C-1
2	SR19	centrifugal tubes /12pieces		TRS 150C-1

Product Advantages

Stepping motor long life, low noise

Can quickly replace the fixture easy to use one machine

All metal fuselage, weighted chassis anti-overturning design

The body has no plastic covering parts, the movement has no oil lubrication, moisture and temperature resistance
allowing the use of incubators (temperature does not exceed 65 degrees Celsius)

The optional fixture is rich
there are more than 6 kinds of optional fixture, support a variety of test tube and bottle utensils

Parameter description

Brand: Shanghai Rong Tai

Model: TRS 150C-1

Mixing mode:Tumbling

Mixing Angle: 360 degrees/roll

Motor power: 35W

Maximum load : 50ML centrifugal tubes /12 piece

Standard fixture: 50ML centrifugal tube /12 pieces

Optional fixture: rubber band clamping tray/centrifugal tube fixture

Vessel type:test tube/centrifugal tube/small bottle

Speed range: 2-80RPM

Applicable ambient temperature: 0-65 degrees

Timing range: 0-99H99MIN

Speed display: digital display

Net Weight: 2.8KG

Gross weight: 4kg

Product Size: 52×10×15cm

Outer packing size: 62×23×25cm

Heating Magnetic Stirrer



Product Advantages

- Mute design
- Small and compact body
- Electrical safety protection
- Ceramic heating plate, beautiful, durable, easy to clean
- The front and rear double bracket installation position easy to use

Main Technical Parameters

Brand: Shanghai Rong Tai	Model: MS120B	Motor power: 20W
Speed range: 100-1500RPM	Thermal output power: 300W	Maximum length of mixer: 60mm
Temperature control range: RT-150°C	Disk material: Stainless steel + nano-ceramics	
Maximum temperature: 150°C	Disk size: Diameter: 120mm	
Stirring quantity: 2L	Display mode: Scale	
Net Weight: 1.5kg	Gross weight: 2kg	
Product Size: 23.5*16*7.5cm	Outer packing size(L*W*H): 33*21*15cm	

Vortex Mixer



List of attachments

1. Standard fixture, conical rubber head
2. Standard fixture, rubber plate pallet
3. Product description

Product Advantages

A variety of fixtures are optional

Powerful point vibration, continuous speed regulating vortex mixer

Adjustable speed control from low speed vibration to high speed vortex mixing


Stable operation

sufficient weight of the overall design provides a stable operating platform for a variety of mixing

Main Technical Parameters

Vortex mixer: VORTEX07	voltage: voltage 220-230V	Motor power: 60W
Oscillation diameter: 4MM	Mode of oscillation : circumference	
Working mode: Continuous, point, speed regulation	Speed/temperature display: scale	
Speed range: 0-2800RPM	Allowable humidity: 80%	
Matching fixture: 1.5ml/15ml/50ml centrifugal tube fixture	Standard fixture: Rubber flat tray/conical rubber head	
Product Size: 17×12×17cm	Outer packing size: 25×19×20cm	
Gross weight: 5kg	Net Weight: 4.8 KG	

Fixture list

NO.	Fixture Model	Description	Fixture image	Matching Product Model
1	VORTEX-SA01	Conical rubber head		VORTEX



SHANGHAI RONGTAI BIOCHEMICAL ENGINEERING CO., LTD.

Website: www.rt-bio.com Email: sales@rt-bio.com

Address: Building 8, No 255, Cao Nong Road, Song Jiang District, Shanghai, 201612, P. R. China

Tel: 8621 3701 3385 · 3701 3386

Fax: 8621 5988 2370