



## TUBE ROLLER / ROTATOR

## TUBE ROLLER / ROTATOR

Used in Industrial, Clinical Laboratories, Academic Facilities, Environmental Applications, Food Technology, Wastewater Facilities.

Also known as Tube Roller, Roller, Laboratory Roller.

### BTUR-101 TUBE ROLLER



- Rocking and rolling motions for complete mixing
- Speed range of 0-70rpm
- Six roller design with small footprint and easy clean
- DC brushless motor provides reliable and quiet running, maintenance free
- Designed for continuous operation
- Can be used in cold rooms or in incubators

## SPECIFICATIONS

Model	BTUR-101
Speed Range	0-70 rpm
Temperature	4-40°C
Roller Length	343 mm
Maximum Diameter Tubes	3 inches
Amplitude	24 mm
Maximum Load Capacity	5 kg
Operation	Continuous, No timer
Dimension	533Lx279Wx127H mm
Motor Type	DC brushless
Weight	5.5 kg
Power Supply	100-220V, 50/60Hz

### BTUR-102 TUBE ROLLER



- Rocking and rolling motions for complete mixing
- LCD display the speed and time
- Speed range of 10-70 rpm
- Six roller design with small footprint and easy clean
- Designed for continuous or timed operation

## SPECIFICATIONS

Model	BTUR-102
Speed Range	10-70 rpm
Roller Length	279 mm
Amplitude	24 mm
Maximum Load Capacity	4 kg
Operation	Continuous or timed
Dimension	444Lx279Wx125H mm
Motor Type	DC brushless
Weight	5.5 kg
Power Supply	100-220V, 50/60Hz

## BTUR-103 TUBE ROLLER



Compact and firm designed, simple operation, LED display time and speed.

Two types selectable - rolling type and rolling & rolling type and rolling & swinging type. Continuous working mode, safe and stable.

With stable performance motor, operation speed adjustable, max. speed to 80rpm. Low noise, long using life.

Can compatible with different size of tubes. Large range of application.

## SPECIFICATIONS

Model	BTUR-103
Speed Range	5 ~ 80 rpm
Operation Mode	Rolling and Fluctuation
Amplitude	25 mm
Roller Quantity	6
Roller Length	280 mm
Max. Load	4 kgs
Time Range	1min~99h59min
Voltage	AC 100~230V, 50/60 Hz
Power	25 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	W.450 x D.260 x H.120 mm

## BTUR-104 TUBE ROLLER



Compact and firm designed, simple operation, LED display time and speed.

Two types selectable - rolling type and rolling & swinging type. Continuous working mode, safe and stable.

With stable performance motor, operation speed adjustable, max. speed to 80rpm. Low noise, long using life.

Can compatible with different size of tubes. Large range of application.

## SPECIFICATIONS

Model	BTUR-104
Speed Range	5 ~ 80 rpm
Operation Mode	Rolling
Roller Quantity	6
Roller Length	280 mm
Max. Load	4 kgs
Time Range	1min~99h59min
Voltage	AC 100~230V, 50/60 Hz
Power	25 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	W.450 x D.260 x H.120 mm

## 200 ROTATOR



End-over-end or rolling action, gives gentle but effective mixing

Adjustable speed range of 0 to 80 rpm

Used with a wide variety of accessories

Continuous quiet operation

## SPECIFICATIONS

Model	BTUR-201	BTUR-203
Speed Range	0-80 rpm	
Permissible Ambient Temperature	5-40°C	-

Permissible Relative Humidity	0.8	
Tilt Angle (°)	90	
Operation	Continuous	
Dimension	300Dx220Wx310H mm	150Dx530Wx190H mm
Motor Type	DC motor	
Protection Class	IP21	
Weight	2 kg	1.7 kg
Power	20 W	
Power Supply	100-240V, 50/60Hz	

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3300806006	Disk and Rotisserie accessory	For 1.5 ml x 12 centrifuge tubes
3300806007	Disk and Rotisserie accessory	For 15 ml x 12 centrifuge tubes
3300806008	Disk and Rotisserie accessory	For 50 ml x 12 centrifuge tubes



BTUR-201



BTUR-203

## BTUR-202 ROTATOR



The rotator comes with a disk type design  
 Digital control speed and allowing procedures to be accurate  
 LCD displays timer  
 End-over-end or rolling action, gives gentle but effective mixing  
 Adjustable speed range of 10 to 70rpm  
 Adjustable mixing angle between 0 and 90 °  
 Used with a wide variety of accessories  
 Continuous and timed quiet operation

## SPECIFICATIONS

Model	BTUR-202
Speed Range	10-70 rpm
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	0.8
Tilt Angle (°)	0-90

Operation	Continuous/ timed operation
Timer	Yes
Timing Range	1-1199 min
Dimension	510Dx190Wx260H mm
Motor Type	DC motor
Protection Class	IP21
Display	LCD
Weight	8 kg
Power	40 W
Power Supply	100-240V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3300807006	Disk accessory	For 1.5 ml x 60 centrifuge tubes holder
3300807007	Disk accessory	For 15 ml x 16 centrifuge tubes holder
3300807008	Disk accessory	For 50 ml x 8 centrifuge tubes holder
3300807009	Disk support rods	4 pcs; use with BX-103920; BX-103921; BX-103922

## BTUR-204 ROTATOR



The rotator comes with a rotisserie type design  
 Digital control speed and allowing procedures to be accurate  
 LCD displays timer  
 End-over-end or rolling action, gives gentle but effective mixing  
 Adjustable speed range of 10 to 70 rpm  
 Used with a wide variety of accessories  
 Continuous and timed quiet operation

## SPECIFICATIONS

Model	BTUR-204
Speed Range	10-70 rpm
Permissible Relative Humidity	0.8
Tilt Angle (°)	90
Operation	Continuous/ timed operation
Timer	Yes
Timing Range	1-1199 min
Dimension	510Dx190Wx260H mm
Motor Type	DC motor
Protection Class	IP21
Display	LCD
Weight	8 kg

Power	40 W
Power Supply	100-240V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3300809006	Rotisserie accessory	For 1.5 ml x 48 centrifuge tubes held horizontally
3300809007	Rotisserie accessory	For 15 ml x 24 centrifuge tubes held horizontally
3300809008	Rotisserie accessory	For 50 ml x 24 centrifuge tubes held horizontally
3300809009	Rotisserie accessory	For 1.5 ml x 32 centrifuge tubes held vertically
3300809010	Rotisserie accessory	For 15 ml x 16 centrifuge tubes held vertically
3300809011	Rotisserie accessory	For 50 ml x 16 centrifuge tubes held vertically

## BTUR-301 3D ROTATOR



Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode.

Positive and negative rotation just gently press the rotating frame when instrument is working.

Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.

Provide three types of rotating frame.

## SPECIFICATIONS

Model	BTUR-301
Speed Range	18 rpm
Voltage	AC 220V/AC 110V, 50/60Hz
Power	4 W
Dimension	240x145x210 mm
Net Weight	1 kg

## BTUR-302 3D ROTATOR



Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode.

With reciprocating oscillation function from 20 angle to 99 angle.

Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.

Provide three types of rotating frame.

## SPECIFICATIONS

Model	BTUR-302
Speed Range	10 rpm ~40 rpm
Reciprocating Swing Angle Range	20°~99° (Adjustable)
Time Range	1s~999min/Continuously
Voltage	AC 100 ~230V, 50/60Hz
Power	4 W
Fuse	250V, 1A, $\Phi$ 5x20
Dimension	240x145x210 mm
Net Weight	1.2 kgs

## BTUR-303 3D ROTATOR



360° vertical rotating for larger particles longer wavelength mixing

Swinging for culture medium and larger particles medium longer wavelength mixing

Oscillating for small particles short wavelength mixing

Tube holder assemble discretionary

Large LCD show the all the parameter

2 additional custom programs (6 segments /program) can be created easily

10 different programs for rotation and mixing

360°rotation and 0-360' discretionary mixing angle is available

Adjustable speed and time for effective mixing

Accept tubes from 0.2ml to 50ml

Cold room and incubator compatible

## SPECIFICATIONS

Model	BTUR-303
Speed Range	1-99 rpm
Environment Temperature	+4-65°C
Relative Air Humidity (at 20°C)%	Up to 80
Adaptor	DC12V, 1000MA



Standard Configuration	420 mm length Rotator with standard rack (D10-12.5mm tubex20, D16-16.5mm tubex8, D29-29.5mm tubex2) or 344mm length Rotator with standard rack (D10-12.5mm tubex12, D16-16.5mm tubex2, D29-29.5mm tubex2) or 316mm length Rotator with standard rack (D10-12.5mm tubex8, D16-16.5mm tubex2, D29-29.5mm tubex2)
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## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
3300908006	420 mm length Rotator with standard rack	D10-12.5mm tubex20; D16-16.5mm tubex8; D29-29.5mm tubex2
3300908007	Rack for diameter 10-12.5mm tubes x 36	
3300908008	Rack for diameter 16-16.5mm tubes x 22	
3300908009	Rack for diameter 29-29.5mm tubes x 12	
3300908010	Rack for diameter 16-16.5mm tubes x 12	
3300908011	Rack for diameter 29-29.5mm tubes x 12	
3300908012	344mm length Rotator with standard rack	D10-12.5mm tubex12; D16-16.5mm tubex2; D29-29.5mm tubex2
3300908013	Rack for diameter 10-12.5mm tubes x 24	
3300908014	Rack for diameter 16-16.5mm tubes x 14	
3300908015	Rack for diameter 29-29.5mm tubes x 8	
3300908016	Rack for diameter 16-16.5mm tubes x 6	
3300908017	Rack for diameter 29-29.5mm tubes x 6	

Accessory Code	Name	Description
3300908018	316mm length Rotator with standard rack	D10-12.5mm tubex8; D16-16.5mm tubex2; D29-29.5mm tubex2
3300908019	Rack for diameter 10-12.5mm tubes x 20	
3300908020	Rack for diameter 16-16.5mm tubes x10	
3300908021	Rack for diameter 29-29.5mm tubes x 6	
3300908022	Rack for diameter 16-16.5mm tubes x 6	
3300908023	Rack for diameter 29-29.5mm tubes x 6	
3300908024	Rotator 420x125x168 with Platform (267x154)	
3300908025	Rotator 344x125x168 with Platform (169x154)	
3300908026	Rotator 316x125x168 with Platform (139x154)	
3300908027	US plug 2A power supplier	
3300908028	EU plug 2A power supplier	
3300908029	UK plug 2A power supplier	

# BTUR-304 3D GYRATORY ROCKER



Gentle but thorough mixing  
Suits for blood collection tubes and centrifuge tubes  
Tilt angle and speed have been optimally set  
Safe for use in cold rooms and incubators

## SPECIFICATIONS

Model	BTUR-304
Speed Range	20 rpm (fixed)
Shaking Orbit	3D / 20 (fixed)
Max. Load	0.8 kgs
Voltage	AC 220V/AC 110V, 50/60 Hz
Power	45 W
Dimension	W.240 x D.170 x H.150 mm
Net Weight	1.6 kgs



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