



TRO-1200, Rocking Roller Mixer

Features:

- Suitable for blending analysis samples such as blood samples.
- Plastic roller suitable for use with a variety of tubes.
- Gently rolling and tilting action.
- Easily load and unload without turning off the unit.
- Driving only with on/off switch and easy operation.
- Designed for continuous operation and fixed speed.

Model	Speed (rpm)	Number of roller	Roller size (mm)	Weight	Size (mm)
TRO-1200	40 (fixed)	5	Ø 30xL320	4.0kg	W455xD180xH95



TRO-1000, Test Tube Rocker

For capped tubes up to 110mm long.

A white silicon rubber friction grip pad contrasts specimens and labels for easy viewing. Capped tubes can be easily loaded/unloaded without turning of the rocker

Features:

Holds 10mm~30mm tube diameter sizes • Ideal for blood collection tubes • smooth mixing action provides uniform

specimen suspension • Precision-controlled rocking motion • Continuous operation • Easy to load and unload the test tubes without turning the mixer off • Rubber cushion preventing the test tubes from slipping • Quiet, smooth, and steady operation • Constant speed 25rpm, 45° angle.

Model	Speed (fixed)	Capacity	Speed (rpm)	Platform size (mm)	Weight	Size (mm)
TRO-1000	30rpm at 60Hz 25rpm at 50Hz	16 Tubes	30rpm at 60Hz 25rpm at 50Hz	W300xD115	1.5/kg	W350xD140xH110



TRO-1100, Multi Tube Rotator

3D Rotation Permits Gentle, Low Foaming Agitation!
Accommodates fourteen 2,7,10 and 15ml tubes for mixing blood samples, DNA extractions and hybridizations.

Features:

3D gyratory movement provides consistently uniform specimen quality in one minutes • Large capacity of tray holds a variety of sizes and shapes of containers such as tubes and vials • Rubber dimple mat of tray firmly but gently holds containers • Test tubes can be easily loaded and unloaded without turning the unit off • Ideal for use in hematology, blood

chemistry and other laboratory applications where a continuous, gentle motion is necessary • Mechanical action of unit provides a circular motion coupled with a rocking pattern which keeps liquids and solutions gently mixed without the potential for shearing or other damage • Angle of rotation varies 20° from the horizontal plane • Shaker has a fixed speed of 30 rpm • Portable. lightweight metal body is durable and easy to clean • Compact size permits easy transportability and use in areas with limited space • Black silicon, non-skid, dimpled platform surface and sides hold 2,7,10 or 15 ml tubes firmly in place. No need for racks or clamps • Removable Black silicone platform, easy to clean and can be used to transport tubes.

Model	Speed(fixed)	Movement	Switch	Tray size(mm)	Size (mm)	Weight
TRO-1100	30rpm at 60Hz 25rpm at 50Hz	3D gyratory movement on a central point	On/Off	W230xD125	W230xD125xH175	1.8/kg

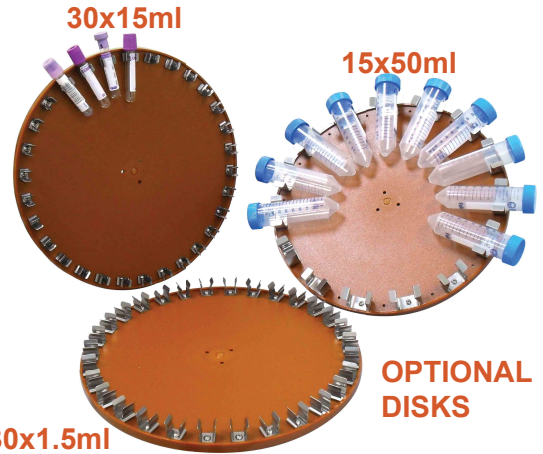


TMO-1600

TMO-1600 Series

Features: Suitable for mix of blood and culture samples

- 360° rotating action
- Continuous or timing operation (0-30 minutes)
- Fixed mixing angle at 45°
- Easy to load & unload the tubes
- Adjustable speed
- Smooth start and change of the stirring speed
- Durable construction for long term operation
- 3 Different disks (optional)
- Included: Disk, 10x1.5ml & 10x15ml & 10x50ml tube holders



Model	Angle Range	Speed Range (rpm)	Disc size (mm)	Weight	Dimensions (mm)	Power
TMO-1600	Fixed 45°	10~100	Ø 300	5.0kg	W250xD300xH250	AC 110V/60Hz or 220V/50Hz

Discs:

Model Number	Description
303-1-100001	Disk, 30x1.5ml tube holders (Optional)
303-1-100002	Disk, 30x15ml tube holders (Optional)
303-1-100003	Disk, 15x50ml tube holders (Optional)
303-1-100004	Disk, 10x1.5ml & 10x15ml & 10x50ml tube holders (Included)



TMO-1700/1702

TMO-1700/1702, Suspension Mixer

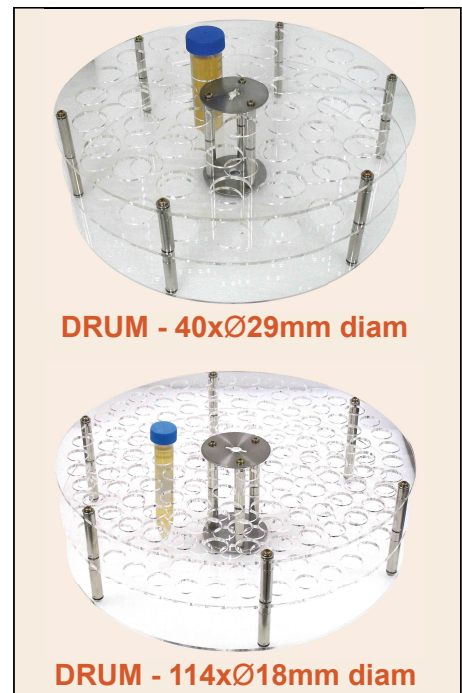
Applications:

Variable speed & adjustable angle rotation for optimum culture results in such applications as growth of tissues and viruses. hormone production from selected tissues, sample testing for the presence of viruses & cytotoxicity assays

- Operates in standard incubators for cultivation under controlled temperature conditions up to 40°C and humidity conditions from 20 to 80% non-condensing
- Powder coated stainless steel outer body construction for durability & corrosion resistance
- Drum can be lifted off rotors easily.

Features: Suitable for mix of blood & culture samples

- 360° rotating action
- Gentle rotating motion mixes the contents of test tubes
- Continuous operation
- Equipped with a tachometer to indicate speed
- Fully adjustable mixing angle from 0°~90°
- Choose from fixed or adjustable speed
- Easy to load and unload the tubes.



Model	Angle Range	Speed Range (rpm)	Disc size (mm)	Weight	Dimensions (mm)	Power
TMO-1700	on 45°	10~100	Ø 310	12.0kg	W310xD310xH460	AC 110V/60Hz or 220V/50Hz
TMO-1702	on 45°	40~240				

Roller Drums:

Model Number	Description
303-1-100021	Drum, 114xØ18mm tube places (Optional)
303-1-100022	Drum, 40xØ29mm tube places (Optional)
303-1-100023	Drum, 48xØ18mm tube places & 20xØ29mm tube places (Included)

TMO-1400, Rotator



TMO-1400

Adjustable speed and angle of rotation

- Variable speed and adjustable mixing angle, 0° to 90°
- Continuous or timed operation
- Durable construction for long-term operation
- 4 different disks and 3 roller drums
- Disk also available for 250ml flask.

Model	TMO-1400
Angel range	0°~90°
Speed range	0~50 rpm
Timer	180 min
Temp.Resist	Lower than 65°C (Dry air)
Weight	7.5kg
Dimensions(mm)	W220xD236xH246
Wattage	35W
Power	AC110V/220V/230V, 50/60Hz
Unit	Rotator, Adjustable angle

Accessories:

Model Number	Description
PO-4	Mount knobs for attaching one or 2 discs to the unit

TMO-1500, Rotator



TMO-1500

Use with a wide variety of accessories

- Variable speed and adjustable mixing angle, 0° to 90°
- Continuous or timed operation
- A wide choice of accessories to be used, including conical tubes, bottles and 250ml flask
- Optional rocking platform for staining or destaining.

Model	TMO-1500
Angel range	0°~90°
Speed range	0~50 rpm
Timer	180 min
Temp.Resist	Lower than 65°C (Dry air)
Weight	8kg
Dimensions(mm)	W502xD236xH246
Wattage	35W
Power	AC110V/220V/230V, 50/60Hz
Unit	Rotisserie Rotator, Adjustable angle

Accessories:



Optional Disks:

Model Number	Description
D50-8	Disk / 50ml conical tube-capacity:8ea
D15-16	Disk / 15ml conical tube-capacity:16ea
D1.5-32	Disk / 1.5ml centrifuge tube-capacity:32ea
D1.5-60	Disk / 1.5ml centrifuge tube-capacity:60ea
D250-4	Disk / 250ml Flask-capacity:4ea

Optional Disks:

Model Number	Description
RD16-151	Roller Drum/Up to 15mm Diameter tube-capacity: 151ea
RD18-104	Roller Drum/Up to 17mm Diameter tube-capacity: 104ea
RD25-42	Roller Drum/Up to 24mm Diameter tube-capacity: 42ea

Roller Drum-TMO-1500 Only:

Model Number	Description
RT-4	80mm DiameterX200mm length bottle capacity:4ea
RT-6	60mm DiameterX200mm length bottle capacity:6ea
RT-10	40mm DiameterX200mm length bottle capacity:10ea 40mm DiameterX200mm length bottle capacity:20ea
RT-8V	50ml Conical tube-capacity : 8ea-vertical mount
RT-16V	50ml Conical tube-capacity : 16ea-vertical mount
RT-24H	50ml Conical tube-capacity : 24ea-horizontal mount
RT-200-64	1.5ml Centrifuge tube-capacity : 64ea
RT-200-96	1.5ml Centrifuge tube-capacity : 96ea
RT-200-128	1.5ml Centrifuge tube-capacity : 128ea
RT-300-120	1.5ml Centrifuge tube-capacity : 120ea
RT-300-180	1.5ml Centrifuge tube-capacity : 180ea
RT-300-240	1.5ml Centrifuge tube-capacity : 240ea
RK-HAG	Rocking platform(W285xD195xH65, tilt angle:±7°)
PO-4	Mount knobs for attaching one or 2 discs to the unit



CRO-1800, Cell Culture System Roller Mixer

Features:

- Cell culture system roller mixer is equipped with high-quality rubber rollers, which are mounted in permanently lubricated sealed ball bearings, designed for lifetime operation.
- Cell culture system roller mixer allows large scale propagation of mono layer cultures in standard roller vessels.
- The fully enclosed belt-drive system also assures years of trouble-free service. Size: H182cm, W75cm, D56cm. Space between levels: 18.2cm. the levels can be changed.
- Wheels (rollers) are made of rubber, with two bearing fixed at both rollers end respectively. Wheels (rollers) are not coated. Material of frame is made of aluminium, but, the bottom cabinet is made of iron.
- The system would not be ignition, because, it runs under a low rpm, without brake.
- It is used with synchronous belts (chains), this belts should not be ignition under a low rpm running during operation.
- The system can be available for 104mm & 137mm diameter rolling bottles, 86mm diameter is too small.

Model	Speed (rpm)	Capacity	Speed display
CRO-1800	0.2~3.0	100pcs x 2000ml culture	Digital

Power supply: AC110V 60Hz, 220v 50/60Hz

TRO-1300, Multi-Purpose Mixer

MRC TRO-1300 Multi-Mix has the capability to perform three modes of mixing, all of which are programmable & can all be used in the same "run". Or, if you just want to rotationally mix, set the unit to rotate. It is very simple to operate and program, runs can be programmed in seconds. You can mix many different sizes of tubes ranging from 1.5 ml to 50 ml with the 2 interchangeable mixing platforms that come standard with the unit. Tubes are held in-place with unique rubber flexible grippers; that surround and firmly hold tubes of varying diameters.

Specifications:

- Capacity: Platform 1: 22 Tubes: 1.5ml–15 (Installed when new) Platform 2: 6x50ml Tubes & 2x1.5–15ml Tubes (Included as an accessory).
- RPM: Variable from 5 –30 RPM.
- Timer: Up to 999 Sec., max mixing time: 12 hours.
- Reciprocating Timer: Up to 999 Sec.
- Rotation Angle in Reciprocation Mode: 15°-90° (in 15° increments).
- Turning angle vortex mode: 1 to 5.
- Vortexing times: 1 to 5.
- Maximum timer: 12 hours.
- Power: 110/220V.
- Dimensions: 13.5" x 7" x 7.5".
- Weight: 6.7 Lbs. / 3 Kgs.



The TRO-1300 can mix in the following motions:

1. Rotate 360°, forward or reverse, & forward, then reverse.
2. Reciprocating Rocker, back & forth like a traditional rocker.
3. Vortex, (cavitate) Tube Capacity, 2 Platforms: Platform 1: 22 Tubes: 1.5ml-15ml (Installed)
Platform 2: Six, 50ml Tubes & Two 1.5-15ml Tubes (Included).