



SI-1101, Rock, Rotate, or 3D Orbit Any Container

Features:

- Easily Converts from Rocking to Rotating (or vice versa) in just 5 seconds.
- Magnetic Stainless Steel Platform and Clip Plate System holds almost any container at any angle. Expansion kits available for increased capacity and different containers.
- Magnetic Strips hold bags for complete and even soaking of membrane-based blot assays/washings.
- Economical and Space-Saving.
- Ideal for Cold Rooms and Incubators. Maintains set speed between 0–38°C.
- Rocking Tray. 12 x 12 in. (300 x 300mm) holds large containers.
- Easily Cleaned or Decontaminated.
- Optional 3D Orbital Shaker Attachment.

Model	SI-1101
Supplied	Magnetic Platform, 1 Clip Plate each for 10–13mm, 15–17mm, and 28–30mm Tubes, 4 Bag Mounting Strips, and Non-Skid Tray
Speed	5–35 RPM
Rocking/Angle	10–70 cycles per minute/ ±10 degrees from horizontal
Platform Capacity	4.5 kg
Overall Dimensions (D x W x H)	252 x 508 x 267mm, Depth with Rocker Tray – 305mm
Weight	11.8 kg
Environmental	Installation Category 2.0° – 38°C, (32–100°F) 95% max. relative humidity

Accessories: (more information in pages 584–585)

Image	Model	Description
	SI-1123	Expansion Kit (Two Stainless Steel Trays, 24 Magnetic Bag Mounting Strips): Two stainless steel Trays and 24 magnetic Bag Mounting Strips used to attach sealed bags to the Magnetic Platform (Part No. 0A-1100-030) for use with the Roto-Shake Genie, Enviro-Genie or Incubator-Genie for increased bag capacity.
	0A-1100-001	Metal Rocker Tray: The Non-Skid Tray for the Roto-Shake Genie attaches to the Magnetic Platform (Part No. 0A-1100-030) to rock open containers. The Non-Skid Tray measures 305 x 305mm (12 x 12in) and is included with the Roto-Shake Genie.
	SI-1150	3-D Orbital Shaker Attachment For Roto-Shake Genie: The 3-D Orbital Shaker Attachment for the Roto-Shake Genie provides gentle yet thorough mixing of dishes, flasks, beakers and open containers. It moves at a 5 degree angle through a 360 degree rotation (providing a combination of vertical and horizontal motions). This means that every corner or crevice of a container will receive complete mixing, making it the perfect choice for applications such as gel & blot staining/blocking, sample washing, polymer resin preparation, and more. Please note, platform capacity is 1 Kg (2.2 lb).
	SI-1170	Stackable Tray for Roto-Shake Genie: A tall non-skid metal tray that can be stacked onto the Roto-Shake Genie's existing tray (supplied with product) to ROCK various containers including T-flasks, petri dishes, boxes, and sealed bags, increasing the capacity for rocking by double-stacking two trays. The stackable tray measures 305 x 305mm (12 x 12in) and CAN ONLY be stacked on the non-skid tray (0A-1100-070) supplied with product.
	SI-1175	Horizontal Orbital Shaker Attachment for Roto-Shake Genie: This accessory adds horizontal orbital shaking capability to the Roto-Shake Genie with variable speed of 15–100RPM, which is ideal for Western Blots and for maintaining cells or solutions in suspension. Simply remove the Magnetic Platform from the Roto-Shaker Genie and attach the Horizontal Orbital Shaker Attachment. No tools required. Fits all new and existing Roto-Shake models.



SI-2101

SI-2201

SI-2101, SI-2201, Rugged and Versatile Lab Rotator**Features:**

- Holds a wide variety of tubes, flasks, microplates, bags, and odd-shaped vessels at any angle.
- Available in two INTERCHANGEABLE platform configurations.
- Standard platform is designed to turn 90 degrees allowing different mixing motions.
- Magnetic platform features unique spring clip plate system.
- Designed for cold room and incubator use. Will easily fit in most incubators.
- Uniquely designed for a wide selection of motions, which can be adjusted from gentle rolling to forceful end over end mixing.
- Continuous-duty quality motor provides smooth, quiet operation.



SI-2101

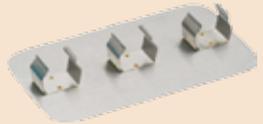


SI-2201

Model	SI-2101 / SI-2201
Supplied	Standard Platform with Retaining Bands / Magnetic Platform
Speed	5-35 RPM
Overall Dimensions (W x D x H)	400 x 175 (290 platform horizontal) x 400 mm
Platform Dimensions	Standard Platform: 260 x 260 mm / Magnetic Platform: 290 x 315 mm
Weight	5.2 kg
Environmental	Installation Category 2, 0° - 38°C, 95% max. relative humidity

Accessories:

Image	Model	Description
	SI-2110	Standard Platform With Bands (only for SI-2101/2201): Standard Platform with Bands. Supplied with SI-2101. Can also be used on SI-2201.
	SI-2210	Magnetic Platform (only for SI-2101/2201): Magnetic Platform. Supplied with SI-2201. Can also be used on SI-2101. Will accept a variety of clip plates sold separately.
	SI-1120	6 Clip Plates For 12 Each 10-13mm Tubes: Pack of 6 metal clip plates to accommodate up to 12 tubes with a diameter of 10-13mm. A maximum of 8 clip plates, 4 per side, may be attached to the Magnetic Platform for use with the Roto-Shake Genie, Enviro-Genie, or Incubator-Genie. A maximum of 12 clip plates, 6 per side, may be attached to the Magnetic Platform for use with the Rotator Genie.
	SI-1121	6 Clip Plates For 6 Each 15-17mm Tubes: Pack of 6 metal clip plates to accommodate up to 6 tubes with a diameter of 15-17mm. A maximum of 8 clip plates, 4 per side, may be attached to the Magnetic Platform for use with the Roto-Shake Genie, Enviro-Genie or Incubator-Genie. A maximum of 12 clip plates, 6 per side, may be attached to the Magnetic Platform for use with the Rotator Genie.

Image	Model	Description
	SI-1122	6 Clip Plates For 3 Each 28–30mm Tubes: Pack of 6 metal clip plates to accommodate up to 3 tubes with a diameter of 28–30mm. A maximum of 8 clip plates, 4 per side, may be attached to the Magnetic Platform for use with the Roto-Shake Genie, Enviro-Genie or Incubator-Genie. A maximum of 12 clip plates, 6 per side, may be attached to the Magnetic Platform for use with the Rotator Genie.
	SI-1123	Clip Plate 10–13mm Tubes: One metal clip plate to accommodate up to 12 tubes with a diameter of 10–13mm. A maximum of 8 clip plates, 4 per side, may be attached to the Magnetic Platform for use with the Roto-Shake Genie, Enviro-Genie or Incubator-Genie. This attachment is included in the Roto-Shake Genie, Enviro-Genie & the Incubator-Genie. A max. of 12 clip plates, 6 per side, may be attached to the Magnetic Platform for use with the Rotator Genie.
	SI-1124	Clip Plate 15–17mm Tubes: One metal clip plate to accommodate up to 6 tubes with a diameter of 15–17mm. A maximum of 8 clip plates, 4 per side, may be attached to the Magnetic Platform for use with the Roto-Shake Genie, Enviro-Genie or Incubator-Genie. This attachment is included in the Roto-Shake Genie, Enviro-Genie & the Incubator-Genie. A max. of 12 clip plates, 6 per side, may be attached to the Magnetic Platform for use with the Rotator Genie.
	SI-1125	Clip Plate 28–30mm Tubes: One metal clip plate to accommodate up to 3 tubes with a diameter of 28–30mm. A maximum of 8 clip plates, 4 per side, may be attached to the Magnetic Platform for use with the Roto-Shake Genie, Enviro-Genie or Incubator-Genie. This attachment is included in the Roto-Shake Genie, Enviro-Genie and the Incubator-Genie. A max. of 12 clip plates, 6 per side, may be attached to the Magnetic Platform for use with the Rotator Genie.
	SI-1126	Magnetic Stainless Steel Bag Strip (pack of 16): Tube Holder holds six 50mL tubes vertically. Holder snaps on to any Vortex-Genie 2 mixer. No additional attachment necessary.
	SI-1130	2 Clip Plates For Hybridization Tubes: Pack of 2 metal clip plates to accommodate one 35mm ID Hybridization Tube up to 300mm in length. This can be attached to the Magnetic Platform for use with the Roto-Shake Genie, Rotator Genie, Enviro-Genie or Incubator-Genie.
	SI-1134	2 Universal Clip Plates: Pack of 2 clip plates with two elastic bands each for use with odd-shaped sample vessels. This can be attached to the Magnetic Platform for use with the Roto-Shake Genie, Rotator Genie, Enviro-Genie or Incubator-Genie.
	SI-1135	1 Magnetic Covered 100 Microtube Box: Plastic box with hinged lid holds up to (100) 1.5ml or 2.0ml microtubes. A maximum of 4 boxes, 2 per side, can be attached to the Magnetic Platform for use with the Roto-Shake Genie, Enviro-Genie or Incubator Genie. A maximum of 8 boxes, 4 per side can be attached to the Magnetic Platform for use with the Rotator Genie.
	SI-1136	1 Clip Plate For 100ml Volumetric Flasks: Metal clip plate to accommodate up to 4 100–ml Volumetric Flasks. This can be attached to the Magnetic Platform for use with the Roto-Shake Genie, Rotator Genie, Enviro-Genie or Incubator-Genie.
	SI-1137	Dual Port Mixing Tube: A V-shaped glass tube with dual ports, which attaches magnetically to the Roto-Shake Genie, Rotator Genie, Enviro-Genie and Incubator-Genie using clip plate accessory SI-1130 (sold separately). Ideal for use in the rotating mode for mixing dry ingredients.



RM-2M

RM-2M, Rotator, Vortex, Blotter

Market leading unique device designed to handle each and every type of test tube mixing with brilliant efficiency! No other device on the market can deliver the same efficiency processing small 0.5 ml test tubes and only one push of a button away run 50 ml tubes blotting then vortex 42 eppendorf tubes simultaneously! This has become possible thank to the intelligent patented digital driver that utilizes the power of world's most advanced stepper motor and allows to program various cycles of mixing, vibrating and rotating.

- 18 Preset programs of mixing for various test tubes.
 - 2 Variable vortexing frequencies.
 - 3 Custom programs that user can design and save in a flash memory
 - 2 Specially designed blotting modes for Western blot protocol. Patented guaranteed efficiency!
- Supporting all test tubes from 0.5 ml up to 50 ml.
Standby mode for power saving 12 Volts - safe power.

RM-2M, Technical specifications:

Rotation speed	1 - 99rpm
Rotation speed settings step	1rpm
Overall number of operation regimes	34
Environmental temp.	4 - 50°C
Relative air humidity (at 20°C)	up to 80%
Power supply adaptor	DC 12V, 1.5 A

12 Rocking modes - Preset mix programs

Super powerful stepper motor drive and specially designed rocking program insures the best performance and comfort in all the applications that require rocking. The speed controller automatically switches from RPM to Shakes Per Minute scale to insure the best control and reproduction. Special Rocking platform with anti-slippery finish will provide enough space for loading all sort of samples. Platform design insures that no overturn can happen even when the power supply failure.



Mixer



Accessories:

Test tube Dia.	Num. of test tubes in the rack
8-11mm	32
13mm	28
16mm	16
30mm	10

15 Mix modes - Automated intelligent mixing programs

This Mixer can perform as rotator, rocker, vortex mixer as well as blotter, device for immunoprecipitation and many other applications.

Thanks to state of art intelligent drive system "V-spin" & a complete range of test tube holders (racks) the machine can mix any tubes from 0.2 to 50ml.

The range of mixing vibrations can be easily adjusted from gentle rocking up to full efficiency vortexing. Using 31 in-build and 3 customizable programs can insure that any type of samples of various density or any other property can be mixed equally good.



Vortex



Rocking Platform

up to 12x30mm places Blotting and Hybridization rack

4 Blotting modes - Ultrasonic patented vibration

- **better sensitivity:** according to our studies, the sensitivity of the method is up to 20 times higher
- **higher specificity:** reduces cross-reactivity up to 4 times
- **faster procedure:** the method is 3 to 5 times faster
- **significant economy:** the usage of reagents is up to 12 times less. In case of expensive or unique antibody it may play a crucial role in you experiments.



Blotter



TMO-1650

TMO-1550/1650, Rotators

Features:

- Give gentle but effective mixing of biological samples
- Compact space-saving design fits easily in incubator and low temp. Chamber
- Used with a wide variety of accessories, available of micro tubes from volume range of 1.5ml-50ml
- Adjustable speed range of 0 to 80 rpm
- Rotator capacity:

1.5ml X 48

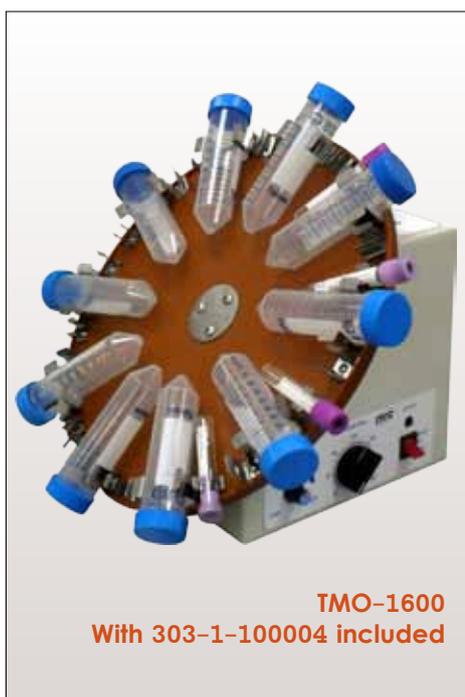
15ml X 16

50ml X 8.



TMO-1550

Model	TMO-1550	TMO-1650
Voltage (AVC)	100-240	
Frequency (Hz)	50/60	
Motor rating input (W)	16	
Motor rating output (W)	10	
Speed range (rpm)	0-80	
Shaking motion	Orbital	
Dimensions (W×H×D mm)	220X310X300	150X530X190
Weight (kg)	2.0	1.7
Permissible ambient temperature (°C)	5-40	
Permissible relative humidity	80%	



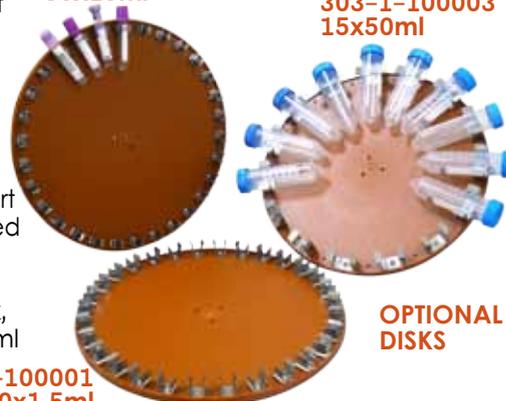
TMO-1600
With 303-1-100004 included

TMO-1600 Series

- Features:** Suitable for mixing 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.

303-1-100002
30x15ml

303-1-100003
15x50ml

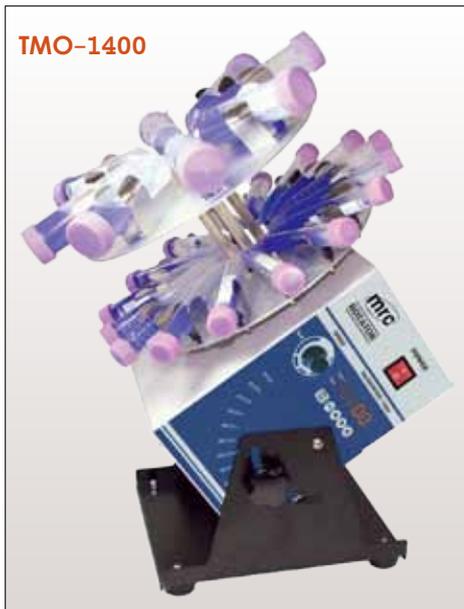


303-1-100001
30x1.5ml

OPTIONAL
DISKS

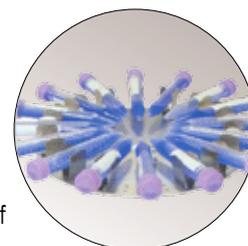
Model Number	Disc Description
303-1-100001	Disk, 30x1.5ml tube holders (Optional)
303-1-100002	Disk, 30x15ml tube holders (Optional)
303-1-100003	Disk, 15x50ml tube holders (Optional)
303-1-100004	Disk, 10x1.5ml & 10x15ml & 10x50ml tube holders (Included)

Model	Angle Range	Speed Range (rpm)	Disc size (mm)	Net Weight	Dimensions (mm)	Power
TMO-1600	Fixed 45°	10~100	Ø 300	4.8kg	W250xD300xH250	AC 110V/60Hz or 220V/50Hz

TMO-1400**TMO-1400, Rotator**

MRC tube rotator TMO-1400 is recommended for extractions, tissue culture specimens, dissolving slow reacting samples and resuspending blood solids in plasma. This unit comes equipped with a digital tachometer and timer along with a variable speed drive (10 – 50 rpm) that provides uniform rotary motion. Includes simple system for adjusting position of the tube adaptor in angles from 0° to 90°.

Elastic shaft drive allows you to load or remove tubes while motor is running. This lightweight unit uses aluminum tube adaptors, sold separately, to hold various tubes diameter. The tube adaptors are easily removable, and can be used as carrying trays. Adaptors sold separately.

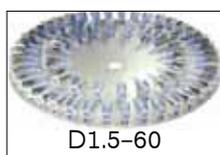
**Adjustable speed & angle of rotation**

- Variable speed and adjustable mixing angle, 0° to 90°
- Continuous or timed operation
- Durable construction for long-term operation
- 5 different disks and 3 roller drums:
 - Disks are also available for 250ml flask
 - Add up to 2 disks together for application
- LED display for actual speed.

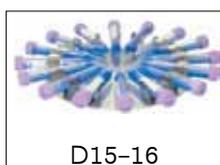
Model	TMO-1400
Angel range	0°~90°
Speed range	0~50 rpm
Timer	180min
Temp. Resist	Lower than 65°C (Dry air)
Weight	7.5kg
Dimensions(mm)	W220xD236xH246
Wattage	35W
Power	Free Voltage (AC100–240V)



D1.5-32



D1.5-60



D15-16



RD16-151



RD18-104



D50-8



RD25-42



D250-4

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

Roller Drums:

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



PO-4

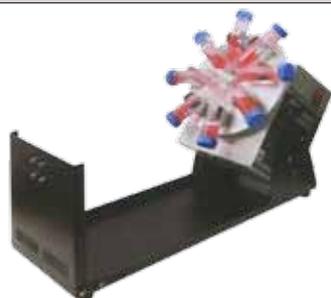
Other Accessories:

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 washing
- LED display for actual speed.

Model	TMO-1500
Angel range	0°~90°
Speed range	0~50 rpm
Timer	99 hours 59 min
Temp. Resist	Lower than 65°C (Dry air)
Weight	8kg
Dimensions(mm)	W502xD236xH246
Wattage	35W
Power	Free Voltage (AC100~240V)

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

Accessories:



D1.5-32

D1.5-60

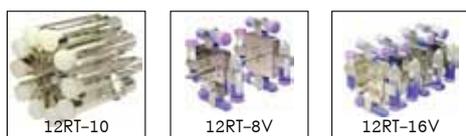
D15-16



RD16-151

RD18-104

RD25-42



12RT-10

12RT-8V

12RT-16V



12RT-200-96

12RT-200-128

12RT-300-120



Silicon cap bottle

12RK-TMO

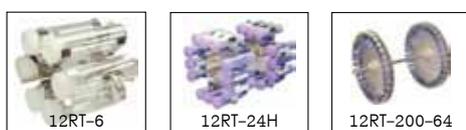
PO-4



D50-8

D250-4

12RT-4



12RT-6

12RT-24H

12RT-200-64



12RT-300-180

12RT-300-240

Roller Drums:

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

Other Accessories:

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

Roller Drum-TMO-1500 Only:

Model Number	Description
12RT-4	80mm Diameter X200mm length bottle capacity:4ea
12RT-6	60mm Diameter X200mm length bottle capacity:6ea
12RT-10	40mm Diameter X200mm length bottle capacity:10ea
	40mm Diameter X120mm length bottle capacity:20ea
12RT-8V	50ml Conical tube-capacity: 8ea - vertical mount
12RT-16V	50ml Conical tube-capacity: 16ea - vertical mount
12RT-24H	50ml Conical tube-capacity: 24ea - horizontal mount
12RT-200-64	1.5ml Centrifuge tube-capacity : 64ea
12RT-200-96	1.5ml Centrifuge tube-capacity : 96ea
12RT-200-128	1.5ml Centrifuge tube-capacity : 128ea
12RT-300-120	1.5ml Centrifuge tube-capacity : 120ea
12RT-300-180	1.5ml Centrifuge tube-capacity : 180ea
12RT-300-240	1.5ml Centrifuge tube-capacity : 240ea
12RK-TMO	Rocking platform(W285xD195xH65, tilt angle:±7°)



TRO-1200

TRO-1200, Rocking Roller Mixer, 5 Rollers, Fixed Speed**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-1206

TRO-1206, Rocking Roller Mixer, 6 Rollers, Variable Speed**Features:**

- 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 inside incubators.
- Voltage: 100-240
- Frequency: 50/60Hz
- Power: 25W
- Motor Type: DC
- Rocking & Rolling motion
- Amplitude: 24mm
- Max. load capacity: 4kg.

Model	Speed (rpm)	Number of roller	Roller size (mm)	Weight	Size (mm)
TRO-1206	0-70	6	280	4.5kg	W260xD450xH120

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.



TRO-1000

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 25/30rpm, 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-1300

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 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).



CRO-1800

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

CROL-D4, CellNest Roller



CROL-D4

The CellNest Roller has been optimized for laboratory-scale cell cultivation.

Dimensions (HxWxD)	340x385x360mm (2 Decks)
Speed	0--20RPH
Power	220v 50~60Hz
Weight	15kg (2Decks)



Low noise, Low heat
Smooth running with low noise and good thermal isolation



CO2-incubators
Compact body can be placed into most of the CO2-incubators



TMO-1700/1702

TMO-1700/1702, Suspension Mixer

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

Common Applications: Growth of mini preps • Bacterial culture • Viral culture • Tissue culture in test tubes



303-1-100022 - 40xØ29mm diam

303-1-100021 - 114xØ18mm diam

and centrifuge tubes.

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	0-90°	10~100	Ø 310	12.0kg	W310xD310xH460	AC 110V/60Hz or 220V/50Hz
TMO-1702	0-90°	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)



TRO-1100

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 to 20° from the horizontal plane • Shaker has a fixed speed of 30 rpm • Portable, lightweight metal body is durable & easy to clean • Compact size permits easy transportability & use in areas with limited space • Black silicon, non-skid, dimpled platform surface & 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 & 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