# Bottle Roller Apparatus Bench-Top Model

LT-M0614 / LT-M0615 | Digital and analog bench-top models

Horizontal bottle rotation • Adjustable speed • Different bottle volumes




## 30 rpm

MAXIMUM MAIN SHAFT SPEED

## 2 bottles

SIMULTANEOUS ROTATION CAPACITY

Bench-top construction • Continuous rotation • Controlled preparation

# Photographs and Components

Speed setting, operating controls, bottles and drive rollers

The bench-top bottle roller rotates two bottles simultaneously around their horizontal axes. Adjustable main shaft speed allows mixing conditions to be selected for different bottle sizes and specimen characteristics.

**SPEED SETTING**

Main shaft speed can be adjusted up to 30 rpm to suit the laboratory procedure.

**OPERATING CONTROLS**

Front-panel start, stop and time-setting controls manage the operating sequence.



**HORIZONTAL BOTTLES**

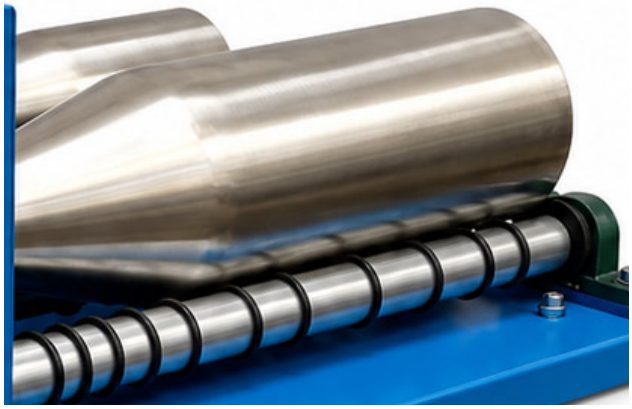
Two bottles can rotate simultaneously. Bottles and compatible funnels may be ordered separately.

**DRIVE ROLLERS**

The supporting shaft / roller arrangement transfers controlled rotation to the bottles.




**Speed, time and start / stop controls**



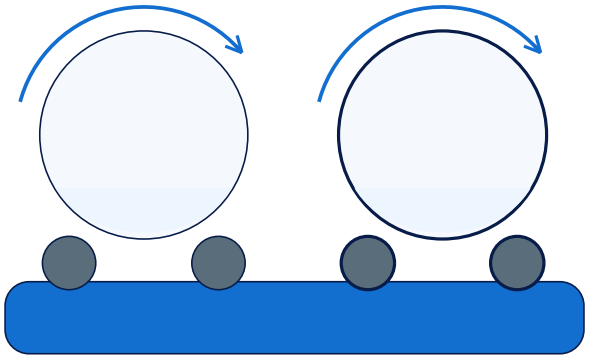
**Bottle positioning and shaft / roller drive arrangement**

LT-M0614 / LT-M0615

# Sample Mixing by Horizontal Rotation

Select bottle • Position • Set speed • Rotate

TWO BOTTLES + DRIVE ROLLERS + SPEED SETTING



**MAIN SHAFT: ADJUSTABLE UP TO 30 rpm**

BOTTLES: ROTATE AROUND HORIZONTAL AXES

SPECIMEN: CONTINUOUS MOVEMENT IN THE BOTTLE

Record speed, duration and bottle volume together

REPRESENTATIVE BOTTLE ROTATION DIAGRAM • NOT TO SCALE

## Prepare Bottle and Specimen

Choose a bottle for the specimen quantity. Close the lid and keep the bottle clean.

## Position Securely

Place bottles correctly on the rollers. Check consistent contact and stable rotation.

## Set Speed and Rotate

Select main shaft speed and duration. Carry out specimen preparation under controlled conditions.

The shaft / roller arrangement rotates bottles around their horizontal axes. Continuous movement mixes the material inside each bottle. Bottle dimensions and specimen characteristics affect operating conditions; use consistent positioning, speed and duration for comparable preparations.

## Digital and Analog Models

LT-M0614 is the digital bench-top model. LT-M0615 provides analog control. Both models support simultaneous rotation of two bottles.

The 30 rpm value describes maximum main shaft speed. Bottle rotation depends on bottle diameter, roller contact and positioning. Match operating settings to the selected model and bottle.

## Bottle Volumes and Preparation

Optional bottles are available in 600 cc, 2500 cc and 7000 cc sizes. LT-M0615/1, /2 and /3 identify the respective volumes. Bottles are supplied as optional accessories.

Choose the bottle for the specimen quantity and check the lid connection. Stop the unit before removing the bottle; clean it for the next sample and record volume and duration.

# Model Options and Technical Specifications

LT-M0614 / LT-M0615 | Bench-top models and bottle options

| Model / Feature | Value / Description |
|---|---|
| **LT-M0614** | Bench-top digital control model |
| **LT-M0615** | Bench-top analog control model |
| **Bottle Capacity** | 2 bottles • Simultaneous rotation |
| **Main Shaft Speed** | Adjustable • Up to 30 rpm |
| **Rotation Principle** | Rotation around the bottle's horizontal axis |
| **Application** | Specimen mixing and laboratory preparation |
| **LT-M0615 Power Supply** | 220 V • 50 Hz • 1 phase |

| Bottle Code | Volume / Supply |
|---|---|
| **LT-M0615/1** | 600 cc • Optional bottle |
| **LT-M0615/2** | 2500 cc • Optional bottle |
| **LT-M0615/3** | 7000 cc • Optional bottle |

### Check Bottle Position and Rotation

Use a suitable bottle and lid; verify roller contact and stable rotation. Record specimen identification, bottle volume, main shaft speed and operating duration together.

## Bottle Sample Preparation Workflow

**01**
**Select / Prepare**
Choose the bottle and load the specimen.

**02**
**Position**
Place the bottle on the drive rollers.

**03**
**Rotate**
Mix at the selected speed and duration.

**04**
**Complete**
Stop the unit and remove the prepared sample.

**Product Page | liyatest.com.tr/en/urun/bottle-roller-apparatus-bench-top-model/**