

# Quick Guide

# M15S

Cat. No. : M15S

## Display & Control

### Display Window

RPM / RCF / Time / Temp / Program / Rotor ID / ACC / DEC



### Setting RPM / RCF, Time, ACC / DEC



Press the Setup / Enter button

Select a parameter to be changed (Press the ◀ or ▶ button) → Up or down the values (Press the ▲ or ▼ button)

Press the Enter

Setting mode

RPM setting mode : RPM flashes  
RCF setting mode : RCF flashes  
Time setting mode : 00' 00" flashes  
Temperature setting mode : 00°C flashes  
ACC/DEC setting mode : Accel / Decel flashes

### Program SAVE / CALL



Press the Call / save button

Select the program number (Press the ▲ or ▼ button)

Press the Enter

SAVE

Select the program number → Press the Enter button → Set the parameters → Press the Setup / Enter button

CALL

Select the program number → Press Setup / Enter button

### Short Spin



Set the desired Speed (see 'Setting Run Parameters')

Press the short button more than 2 sec

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Serial No.

Installation Date.

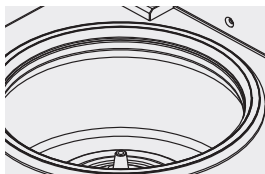
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# M15S

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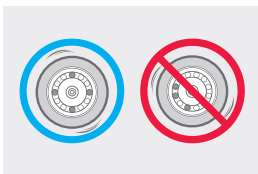
## 사용 시 주의사항

### Before Operation



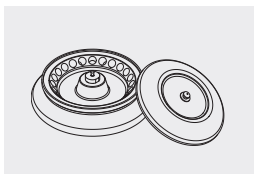
#### Check the Chamber & Accessories

Inspect the chamber, rotor and accessories for foreign objects.



#### Load Tubes Symmetrically

Load tubes symmetrically into the rotor with identical amount.



#### Confirm Rotor LID Connection

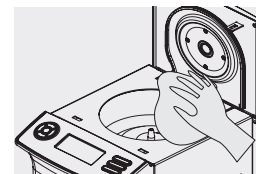
Before the operation, the rotor and rotor lid lock button must be closed by aligning with the motor shaft. If it is not fully tightened, it may cause an accident during operation or cause noise and vibration.

### After Operation



#### Keep the Chamber Dry

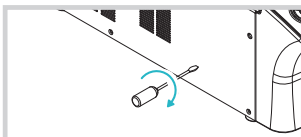
Wipe up the moisture in the chamber with a dry cloth after use. Keep the lid open when not in use.



#### Cleaning

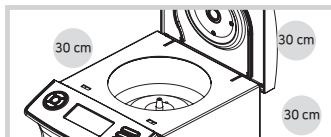
Clean the chamber and rotor by wiping with a cloth soaked in mild detergent and dry completely.

## Maintenance



#### Manual Lid Open

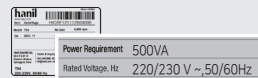
If the centrifuge lid cannot be opened, insert the provided T-wrench into the manual release hole on the left side of the device and turn it clockwise. (Before activating manual open, switch off the device and wait for the rotor to stop.)



#### Keep a Safety Clearance

Keep a safety clearance of 30 cm around the centrifuge during operation.

## Electrical Safety



#### Check the Line Voltage

Connect the device to voltage sources which correspond to the electrical requirements on the label attached to the device.



#### Grounded Outlet

Check the wall outlet is earth grounded, surge-protected and can supply enough power.



#### Switch Off the Device

Switch off the device after use. Unplug the power plug before cleaning or unused for a long period of time.

## Rotor

**A2.0MP-24** 24 x 1.5/2.0 mL / Max. 15K (Rotor ID :1)

**hanil**

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