

## ROTOR+ Pre-installation Guide

Updated 2026/04/15

### When the ROTOR+ Arrives

To reduce manual handling, ensure the ROTOR+ crate is placed close to the bench you plan to use the ROTOR+ on. Leave at least 1m around the crate to comfortably unpack the ROTOR+.

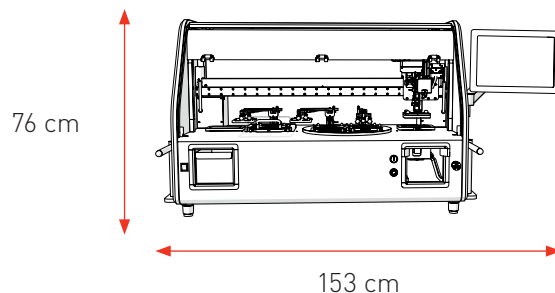
### Bench Requirements

The ROTOR+ is heavy! Weight: 110 kgs (240 lbs)

Width: 130 cm (51") (150 cm with MCI)

Depth: 64cm (25")

Height: 76cm (30")



### Electrical Requirements

The ROTOR+ requires 115V 60Hz or 230V 50Hz at 5 Amps. *The supply must be earthed (grounded).* We supply a suitable three-pin plug with mains cable which is 2m (78") long. Our mains electricity supply cable plugs into the ROTOR+ at the right-hand end when viewed from the front.

### Antivirus

ROTOR will need the following exceptions in any antivirus to function correctly:

- The software lives in C:\Users\Admin\AppData\Roaming\Singer Instrument Company Limited\ so a path exception will be needed

### Installation Safety

The ROTOR+ weighs 110kg. It will require 4-5 people (ideally with manual handling training) to lift it onto your bench. Always lift the ROTOR+ by it's side transit handles. It's worth noting that the ROTOR+ is heavier at the back. We recommend a Manual Handling Risk Assessment is completed. Further recommendations include:

- Using a trolley to place the ROTOR+ as conveniently close to the receiving bench as possible
- Using a lift table if available
- The presence of a Health & Safety rep

### Installation tools

All tools for installing the ROTOR+ are included inside the shipping crate. Additional tool needed to remove the ROTOR+ from it's shipping crate include:

- Pozidrive & Phillips head screwdrivers
- 2x 17mm spanners
- Scissors

Full instructions for installation can be found in your Installation Guide and online at: <http://bit.ly/ROTORInstall>

**ROTOR+ Pre-installation Guide***Updated 2026/04/15***Online Demonstration**

If you have requested an online demonstration of using the ROTOR+, in order to get the most effective use of the technician's time with you, we suggest the following plate prep:

- Pour as many of the new PlusPlates as you need for your work. For a demonstration only, 10 plates will do. The ROTOR+ senses the agar surface so agar thickness is not critical. The agar should be as flat as possible and poured carefully to minimize the edge meniscus. Also, do not pour too hot to minimize plate distortion. Plates should be prepared 2-3 days in advance.
- Transfer any colonies that you are currently working on to the new plates at 96-density.  
Liquid medium must be put in 96-well microtitre plates.

**Contact**

Name: *Ian Morgan*

Phone: *+44(0)1984 640226 ex.221*

E-mail: *technicalsupport@singerinstruments.com*