



Nfinity Nitrogen Generator

Essential User Guide

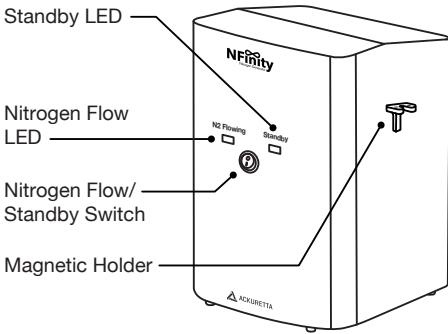
Your shortcut to successful printing



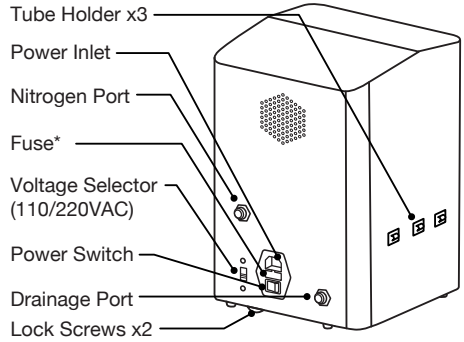
Register Your
Device & Warranty

Product Overview

Front

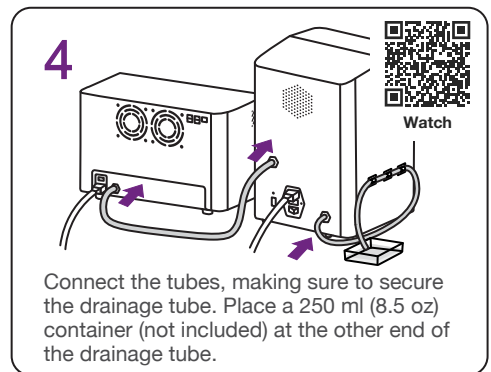
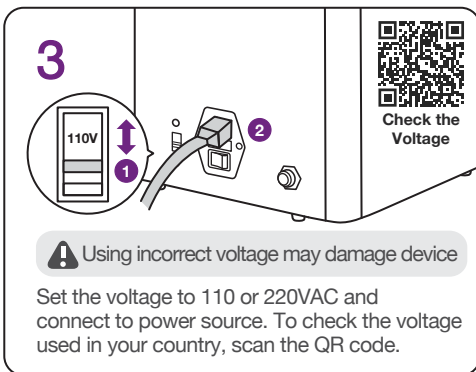
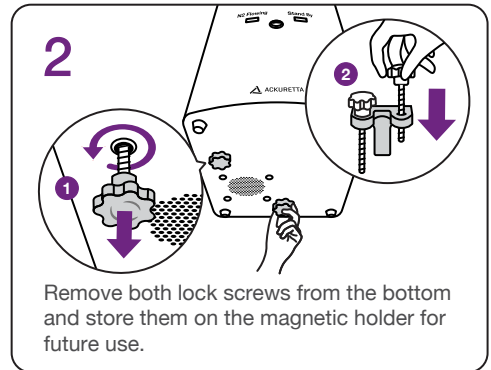
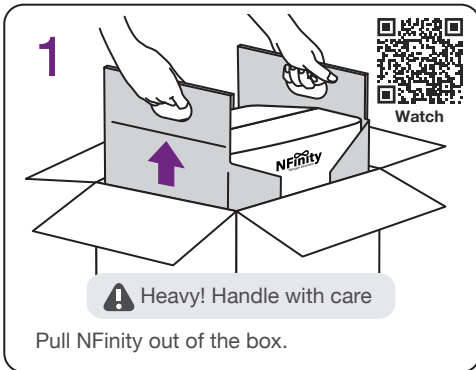


Back



*Spare fuse included, refer to NFINITY FAQ.

Setup Guide



For safety reasons, NFINITY will automatically turn off after 12 hours. To reboot your device, flip the power switch on the back of NFINITY off and on.

Package Contents



NFINITY



Power Cable



Nitrogen Tube
(Transparent, 3.6 m)



Drainage Tube
(Black, 1 m)



N2 Cover x2



Lock
Screw x2



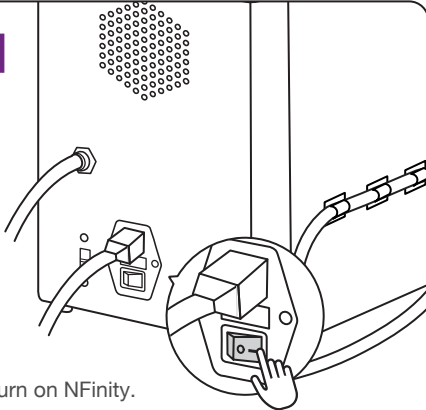
Magnetic
Holder



Tube
Holder x3

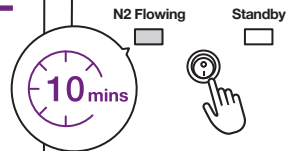
Generating Nitrogen

1



Turn on NFINITY.

2

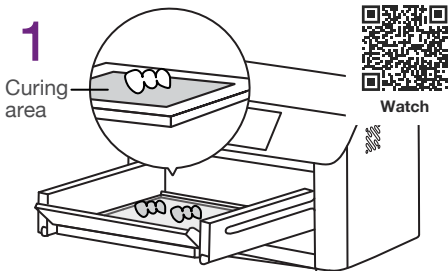


⚠ Each time N2 Flowing is activated, you must wait 10 minutes.

Switch on N2 Flowing, and wait 10 minutes to ensure optimal nitrogen purity. The compressor may take one minute to engage.

Curing Process with CURIE Plus

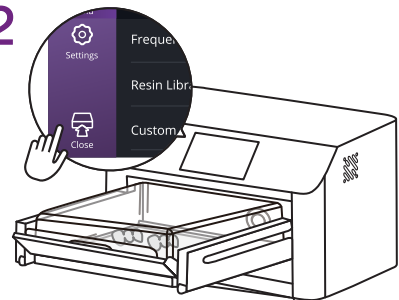
1



⚠ Do not stack applications

Place the applications flat on the glass and position them inside the curing area.

2



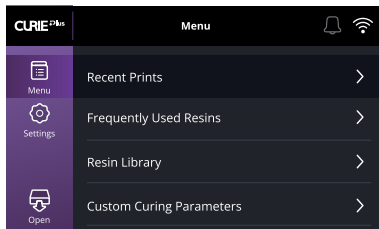
Place the N2 Cover on top with the handle facing towards you, and close the door.



NFINITY vibration may affect an adjacent 3D printer while it is printing. It is recommended to avoid placing NFINITY on the same surface occupied by an active 3D printer.

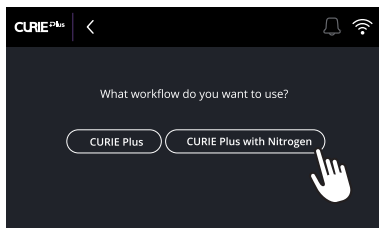
3 There are four ways to set the curing parameters:

- **Recent Prints**
Latest prints from your SOL SE(s) or SOL Plus(es)
- **Frequently Used Resins**
10 most commonly used resins
- **Resin Library**
Most up-to-date library
- **Custom Curing Parameters**
User parameters setup



4 Select the 'CURIE Plus with Nitrogen' workflow. A 5-minute wait time will be shown on the touchscreen, indicating the time needed to fill the chamber with nitrogen.

Note: The 5-minute countdown will restart each time the door is opened and closed.

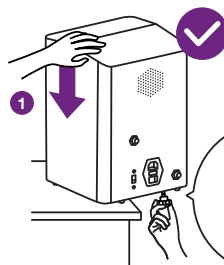
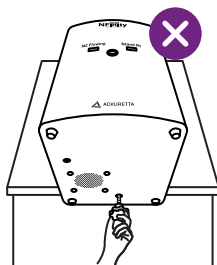


Repackaging NFinity



Both lock screws are required for safe transportation

Keep NFinity upright, insert each screw, and fully tighten them once both are in place.



Watch

Technical Specifications

Dimensions 29.5 (W) x 24 (D) x 36 (H) cm
11.6 (W) x 9.4 (D) x 14.2 (H) in

Weight 17.2 kg
37.9 lbs

Power Input 110 or 220VAC (manual switch),
50/60Hz

Nitrogen Purity $\geq 95\%$

Nitrogen Flow Rate Up to 1.6 L/min

Environment Temperature Min -5°C / Max 45°C

Environment Humidity Min 40%RH / Max 90%RH



Frequently Asked Questions

Q1 I have just received NFinity, how do I get started?

Start by registering your device through the User Dashboard so that your warranty is activated on the date of purchase. The User Dashboard contains resources to help you get started, access troubleshooting, and get support from the Ackuretta Customer Success Team. To find more information about the User Dashboard and warranty policy, scan the following QR codes.

After unboxing NFinity, remove the lock screws located at the bottom of the device, and store them on the magnetic holder provided. Select the proper voltage and remove the sticker from the power inlet, then plug in the power cable. Ensure the transparent nitrogen tube and black drainage tube are connected to the correct ports. Turn on NFinity using the power switch, then activate the N2 Flowing switch to generate nitrogen.

To watch the unboxing video, scan the QR code below.



User
Dashboard

Learn More



NFinity
Warranty Policy

Learn More



NFinity
Unboxing Video

Watch

Q2 What are the lock screws for?

The purpose of the lock screws is to secure the internal compressor during transportation. It is essential to reinsert these lock screws whenever NFinity is being shipped to prevent damage to the device. Store the lock screws on the magnetic holder provided to ensure their accessibility for future transport.



Learn More

Q3 What is the risk of selecting the wrong voltage?

- If 220VAC is selected but the user's voltage standard is 110VAC, NFinity will not power on. The LED status lights on the front of the device will not light up nor will any nitrogen be produced.
- If 110VAC is selected but the user's voltage standard is 220VAC, **the NFinity fuse will be damaged**. Should this happen, there is a spare fuse stored above the power switch on the back panel. Scan the QR code for details on how to replace the fuse.

Scan the QR code below to check the voltage used in your country.



NFinity:
Voltage by
Country

Learn More



Replace Fuse

Watch

Q4 What precautions should be considered when setting up NFinity?

During operation, NFinity's vibrations may affect an adjacent 3D printer while it is printing. We do not recommend placing NFinity on the same surface occupied by an active 3D printer.

Q5 What are the benefits of using nitrogen with CURIE Plus?

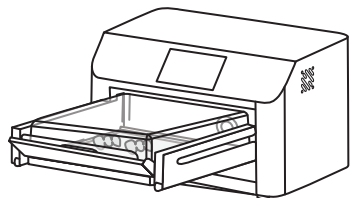
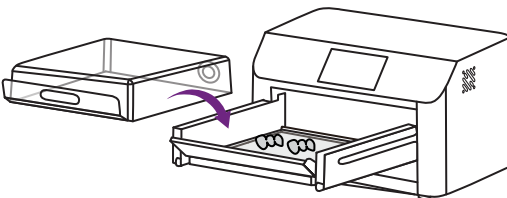
CURIE Plus is built to integrate a nitrogen flow into its curing chamber, which displaces the oxygen and creates an inert oxygen-free environment where the UV light is able to cure the print without any inhibiting effects. Using nitrogen during the curing process thus improves the quality of the prints by strengthening its mechanical properties.

Q6 How should I use the N2 Cover?

The N2 Cover must be used in the CURIE Plus chamber for every curing session with NFinity. Place the applications inside the CURIE Plus' curing area, then place the N2 Cover on top with the handle facing towards you.



Watch



Q7 Is nitrogen toxic?

No, nitrogen is not toxic as 78% of the air we breathe contains this gas. However, it is not recommended to inhale this gas as high levels of nitrogen concentration can result in nausea, vomiting, lethargic movements, and unconsciousness.

Q8 How long should I keep N2 Flowing on for?

After NFinity has been switched from Standby to N2 Flowing mode, wait 10 minutes to ensure sufficient nitrogen purity. During this time, the compressor may take up to one minute to engage. Active N2 Flowing can be constantly used throughout the day as needed.

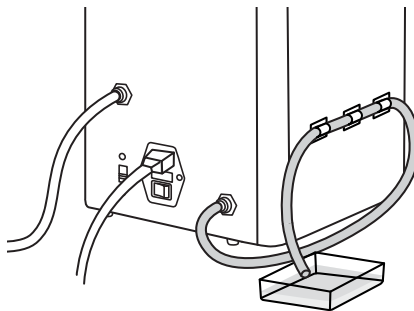
For safety reasons, NFinity will automatically turn off after 12 hours. To restart your device, simply flip the power switch on the back of NFinity off and on again.

Q9 When should I replace my N2 Cover?

Replace the N2 Cover if you see any damage or degradation. The N2 Cover should always be clean and transparent to ensure optimal curing performance. We recommend using 75% alcohol wipes for cleaning.

Q10 How should I collect the water drainage?

Condensation can naturally occur inside NFinity, producing water that must be drained. The volume of water depends on the user's operational environment. To collect the draining water, we recommend firmly securing the drainage tube and using a 250 ml (8.5 oz) container at the end of the tube.





ACKURETTA

A Pac-Dent Company