ACKURETTA

NFinity
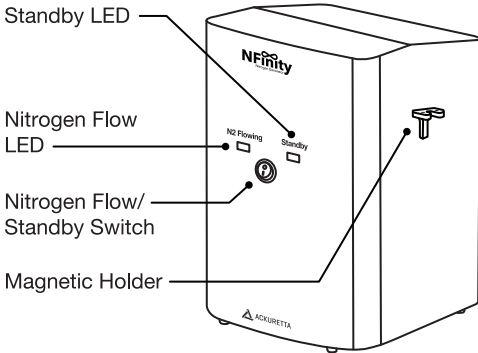Nitrogen Generator

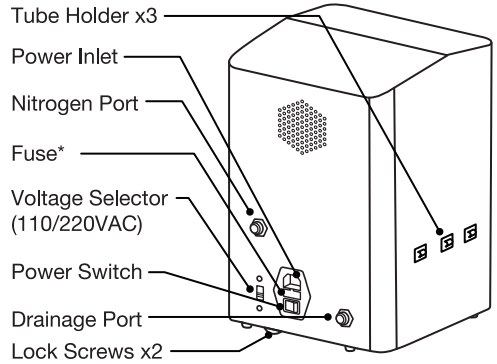N2 Flowing   Standby

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NFinity
Nitrogen Generator
Quick Start Guide

Product Overview

Front

Standby LED

Nitrogen Flow LED

Nitrogen Flow/ Standby Switch

Magnetic Holder

N2 Flowing   Standby

NFinity

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Back

Tube Holder x3

Power Inlet

Nitrogen Port

Fuse*

Voltage Selector (110/220VAC)

Power Switch

Drainage Port

Lock Screws x2
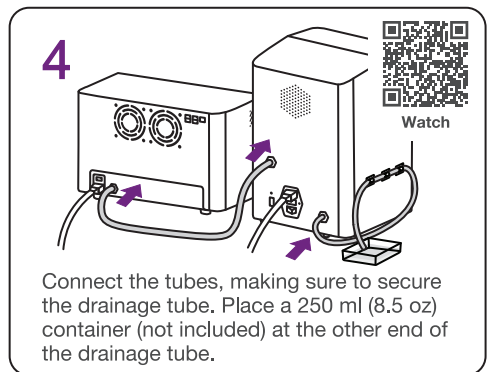
*Spare fuse included, refer to NFinity FAQ.

Setup Guide

1

Watch

NFinity

⚠ Heavy! Handle with care

Pull NFinity out of the box.

2

N2 Flowing   Stand By

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① ②

Remove both lock screws from the bottom and store them on the magnetic holder for future use.

3

110V

① ②

Check the Voltage

⚠ Using incorrect voltage may damage device

Set the voltage to 110 or 220VAC and connect to power source. To check the voltage used in your country, scan the QR code.

4

Watch

Connect the tubes, making sure to secure the drainage tube. Place a 250 ml (8.5 oz) container (not included) at the other end of the drainage tube.

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12 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

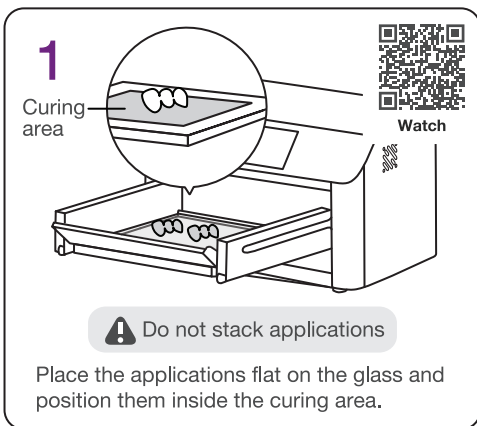|							
NFinity	Power Cable	Nitrogen Tube (Transparent, 3.6 m)	Drainage Tube (Black, 1 m)	N2 Cover x2	Lock Screw x2	Magnetic Holder	Tube Holder x3

Generating Nitrogen

1

Turn on NFinity.

2

N2 Flowing   Standby

10 mins

⚠ 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.
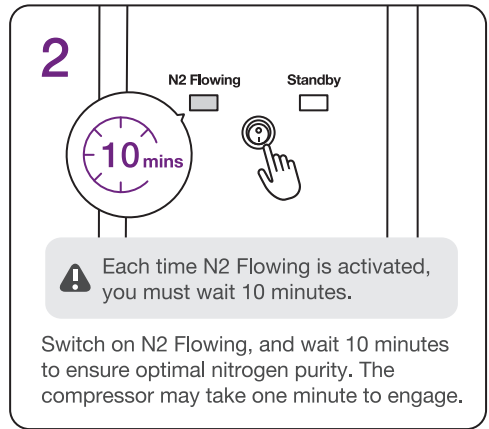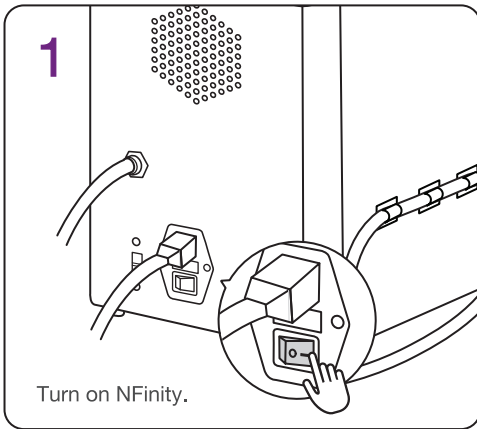
Curing Process with CURIE Plus

1

Curing area

Watch

⚠ Do not stack applications

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

2

Settings   Frequen
Resin Libr.
Close   Custom

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(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

CURIE Plus	Menu	
Menu	Recent Prints	›
Settings	Frequently Used Resins	›
	Resin Library	›
Open	Custom Curing Parameters	›
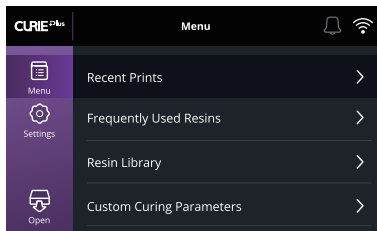
4 Select the 'CURIE Plus with Nitrogen' workflow. A 5-minute wait time will be shown on the touchscreen, indicating the time needed to fill the chamber with nitrogen.

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

What workflow do you want to use?

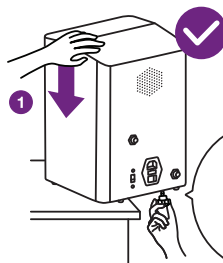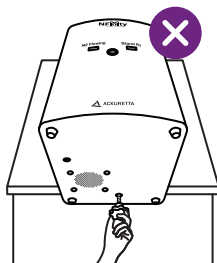CURIE Plus   CURIE Plus with Nitrogen
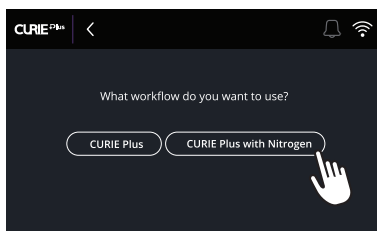
Repackaging NFinity

⚠ 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	Nitrogen Flow Rate	Up to 1.6 L/min
Weight	17.2 kg 37.9 lbs	Environment Temperature	Min -5°C / Max 45°C
Power Input	110 or 220VAC (manual switch), 50/60Hz	Environment Humidity	Min 40%RH / Max 90%RH
Nitrogen Purity	≥ 95%		

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FAQ

NFinity
Nitrogen Generator

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	NFinity Warranty Policy	NFinity Unboxing Video
Learn More	**Learn More**	**Watch**

Q2 — What are the lock screws for?

Learn More

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.

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	Replace Fuse
Learn More	**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
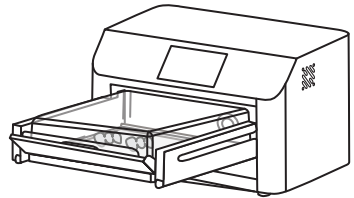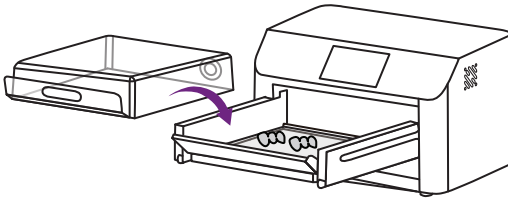
Q7 Is nitrogen toxic?

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.