How to Use CURIE Plus with a Nitrogen Tank
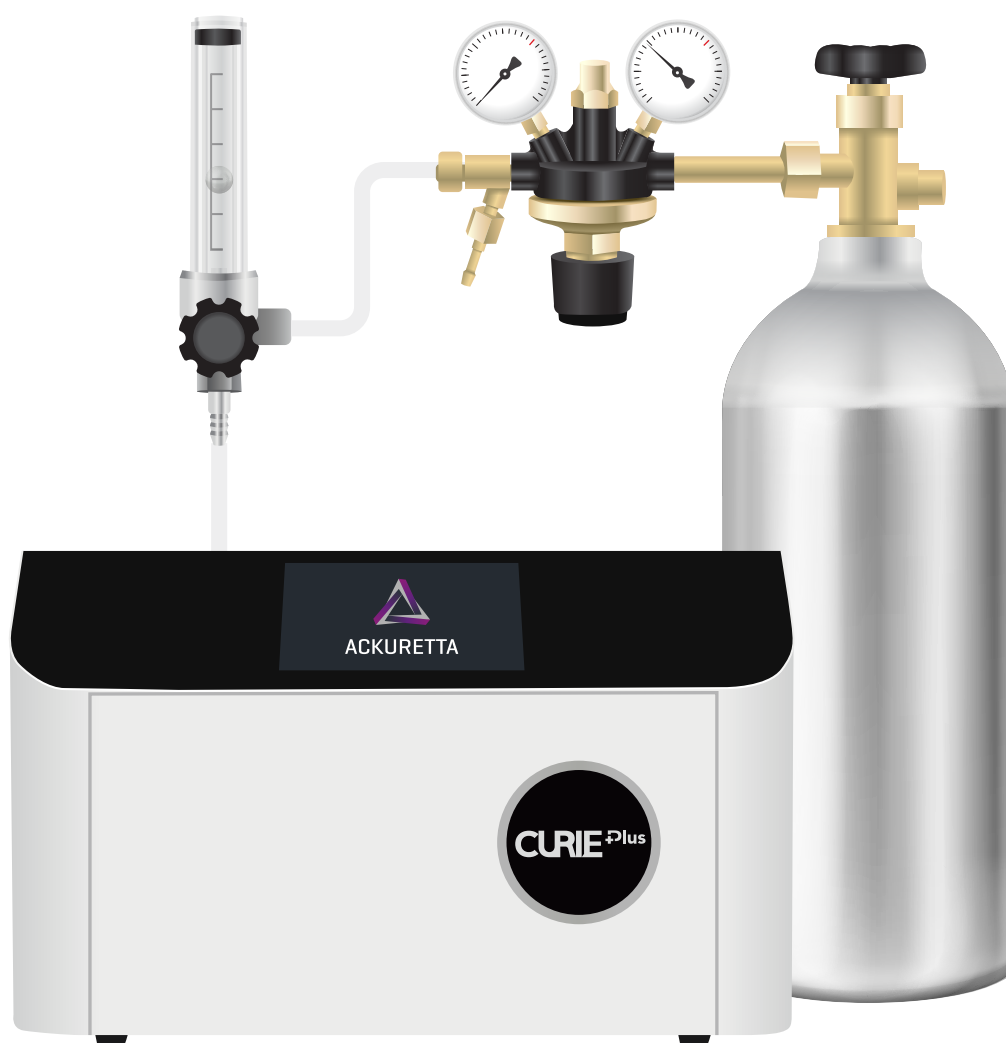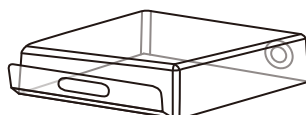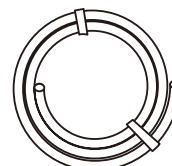

ACKURETTA

Required Items

## From Ackuretta:
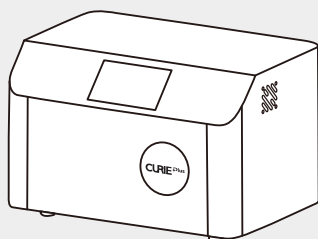
CURIE Plus
SKU: RS110010162

N2 Cover

Nitrogen Tube (3.6 m)*1

N2 Cover Kit*2
SKU: RS110010211

*1 The nitrogen tube can be trimmed to connect to a pressure regulator and air flow rate regulator obtained from your preferred supplier.

*2 N2 Cover Kit includes two N2 covers and one nitrogen tube. This accessory kit is sold separately from CURIE Plus.
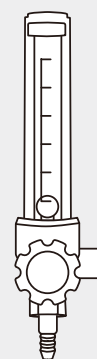
From your preferred supplier:
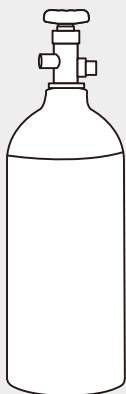
Compressed nitrogen tank
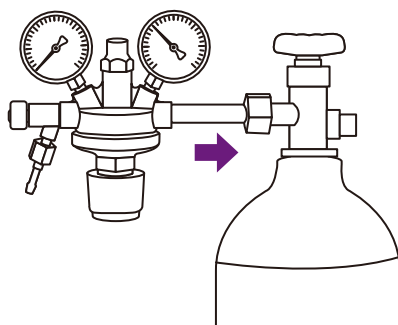with purity of **95%** or higher
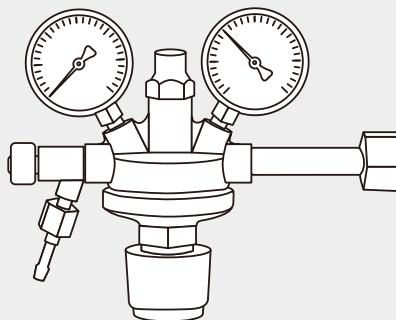
Pressure regulator
with 6mm outlet

Air flow rate regulator
with 6mm inlet/outlet

*Pressure regulator specifications will be provided by your selected nitrogen tank supplier.

Nitrogen Tank Set-Up
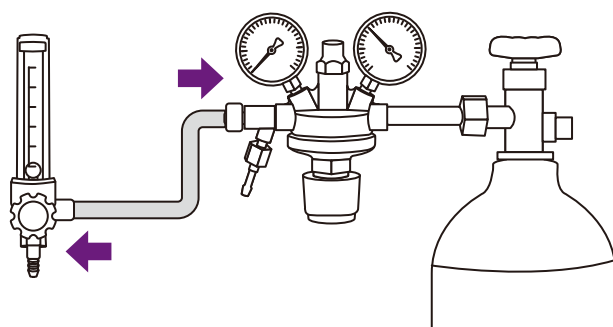
Step 1

Connect the pressure regulator to the nitrogen tank.
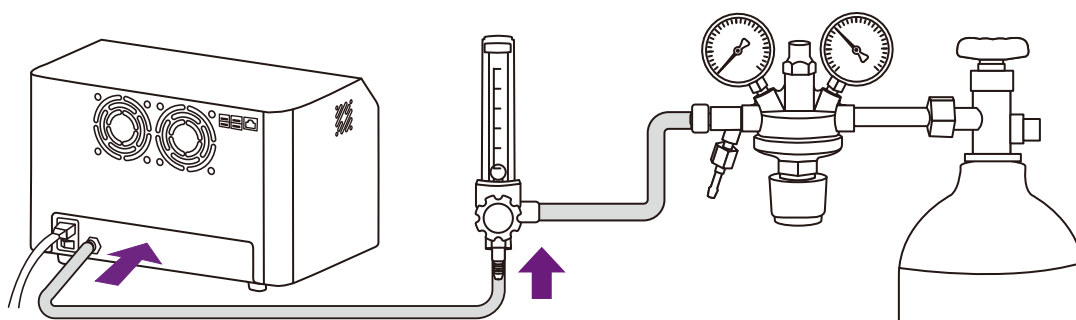

Step 2

Connect the pressure regulator and the air regulator to the nitrogen tube.
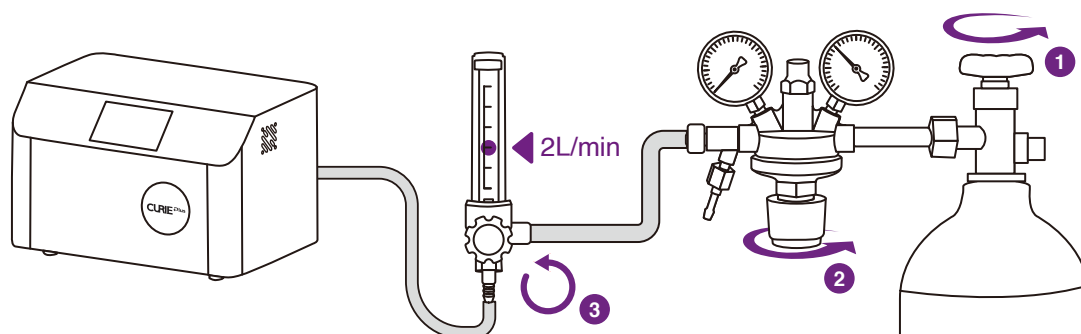

Step 3

Connect the air regulator and CURIE Plus to the nitrogen tube.

Step 4

Open the nitrogen tank valve and adjust the pressure regulator output pressure as instructed by the supplier to control air pressure. Set the air regulator to a flow rate of 2L/min.
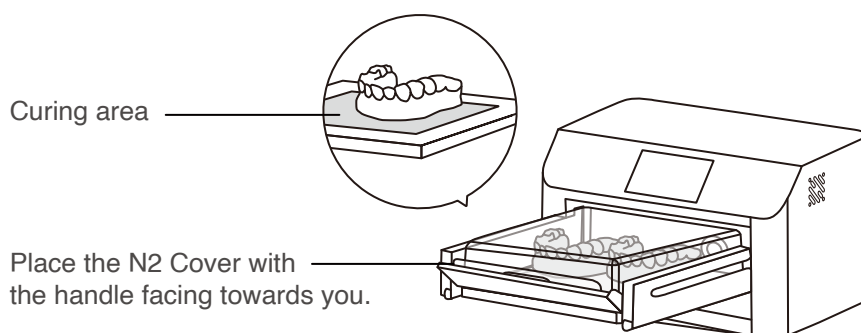

2L/min

Curing Steps

Step 1

Turn on CURIE Plus and open the door.
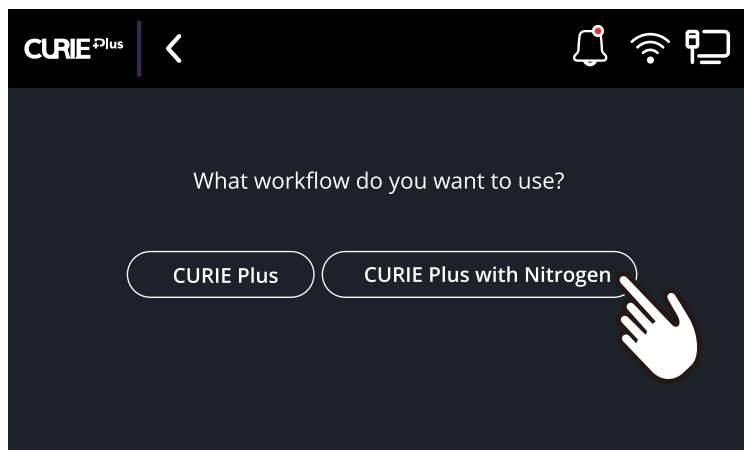

⚠ Do not open the door manually!

Settings
Open
Frequen
Resin Libra
Custom

Step 2

Place the applications inside the curing area and cover them with the N2 Cover.

Curing area

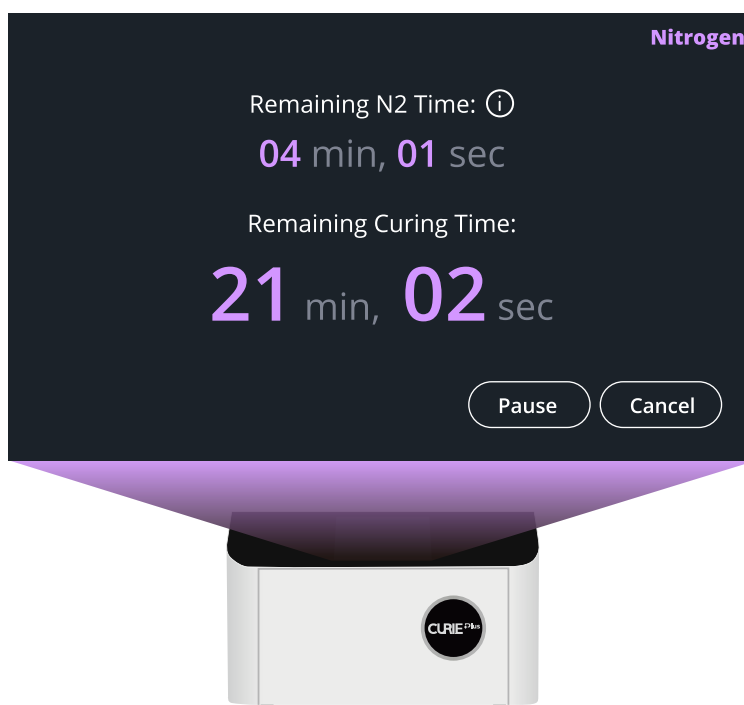Place the N2 Cover with the handle facing towards you.

Step ③

Close the door and select your curing parameters. Then select the **"CURIE Plus with Nitrogen"** workflow.

Step ④

A 5-minute waiting time will be shown on the CURIE Plus touchscreen, indicating the time needed to fill the chamber with nitrogen.

Note: While CURIE Plus is compatible with third-party nitrogen tanks, we cannot assure the quality of 3D printed applications using third-party equipment and assume no responsibility for final results.
Questions? Contact our Customer Success Team via https://go.ackuretta.com/dashboard/support.