

For a better printing experience, please read the following information carefully.

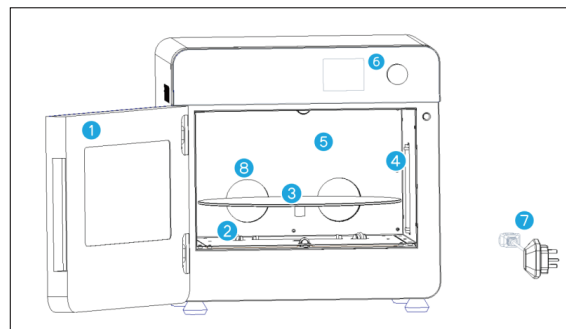
This Quick Start Guide includes possible issues and solutions during the installation and operation of the Nova3D FastCure3 Bake & Cure All-in-One Machine. If you encounter any questions or issues not covered in this guide, please contact us for professional after-sales support.

Our official website: <http://www.nova3dp.com>. The website provides Nova3D full series 3D printer purchases materials, accessories, technical support, and other services.

Some Tips when you got your new FastCure3

- a: Upon receiving the machine, carefully check the accessory list. If any parts are missing, contact customer service immediately for a replacement.
- b: When using the FastCure3 Bake & Cure All-in-One Machine, ensure the unit is placed level on a work surface. Use the machine in a spacious, well-ventilated area away from direct sunlight.
- c: Place the FastCure3 away from heat sources, open flames, flammable materials, radioactive equipment, humidity, high temperatures, other liquids, and out of reach of children.
- d: The recommended operating temperature for FastCure3 is 20°C–40°C. Use outside this range may affect results.
- e: FastCure3 contains mechanical parts – beware of pinch points.
- f: If the FastCure3 will not be used for an extended period, clean the unit and protect it from moisture and dust.
- g: Do not disassemble the FastCure3 privately. For any issues, contact NOVA3D after-sales support for the best service.

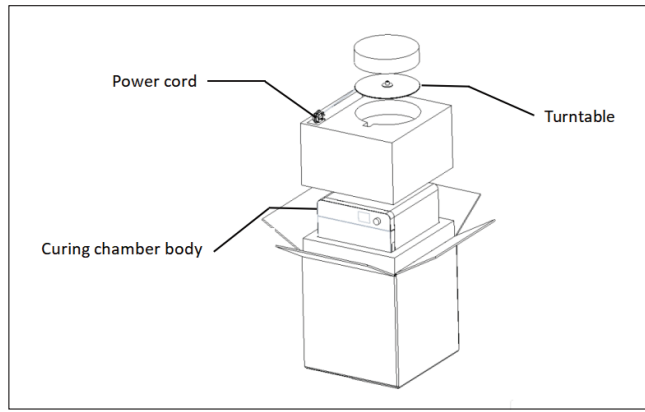
A、Machine Structure



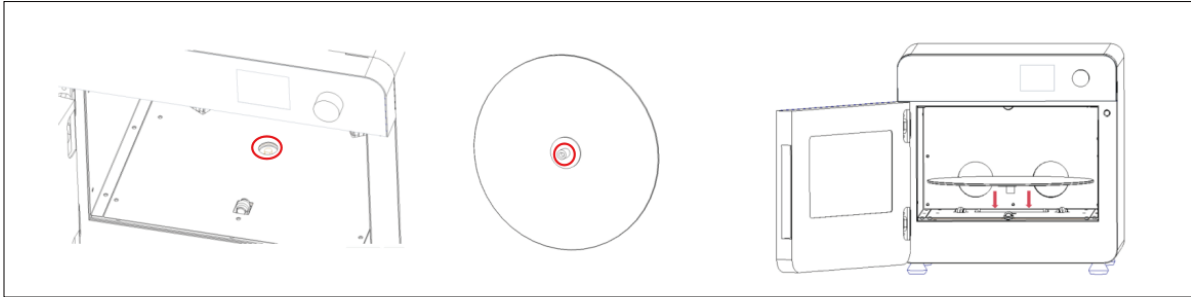
- a: Curing Chamber Door: Made of PMMA filter material, allowing safe observation of the curing process without UV exposure. The unit has a sensor that automatically turns off the curing light when the door is opened.
- b: Turntable Support: Connects to the motor for rotation, ensuring uniform post-curing of all exposed surfaces.
- c: Glass Turntable: Mounted on the support, used to place 3D printed parts for post-curing.
- d: LED Beads: Three 405nm LED strips providing high and uniform light energy for post-curing.
- e: Stainless Steel Mirror Surface: FastCure3 interior is made of 2P-grade mirror stainless steel, providing excellent reflection for uniform UV exposure and curing.
- f: Control Knob: Mechanical knob for setting exposure intensity and time.
- g: Power: FastCure3 has a built-in power module; connect directly via power cord.
- h: Bake Heater: Provides timed constant-temperature heating inside the chamber (max 80°C) for rapid model drying.

B、Installation Process

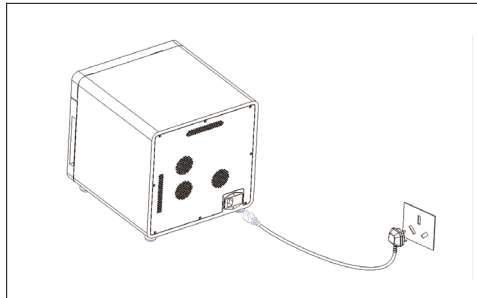
Upon receiving the machine, inspect the packaging. The package includes three parts:



a: Open the package, remove the machine and foam padding. Place the machine on a flat work surface. Open the door, align the glass turntable slot with the internal slot, and install it.

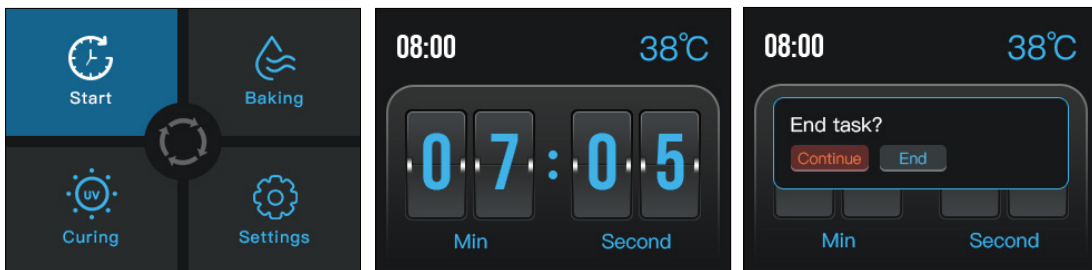


b: Connect the power cord and turn on the power switch at the rear. The control panel will light up, indicating installation is complete.



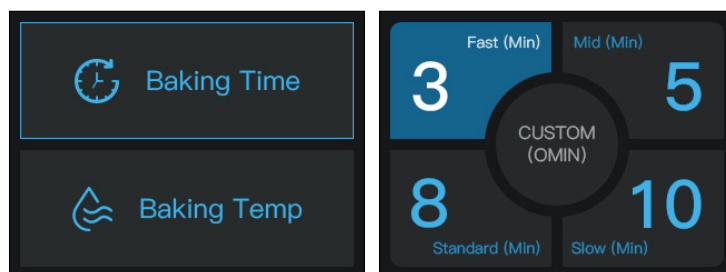
C. Function Overview

a: Start: Rotate the knob to select Start. The first time, the total bake+cure time shown is the recommended default. Subsequent uses will default to the last set parameters. Press the knob to start; the unit will preheat and begin curing once the chamber reaches the set temperature.

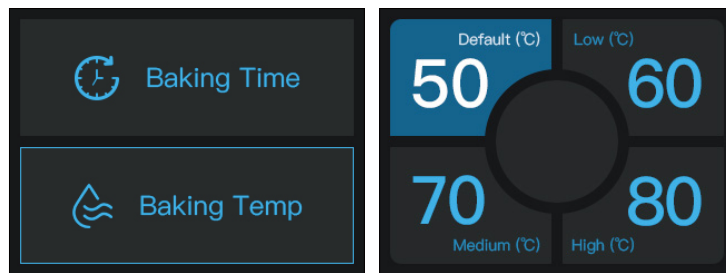


b: Bake Settings

a: Bake Time: Options: 3, 5, 8, 10 minutes, or Custom (max 15 minutes). Set to 0 if no baking is needed.

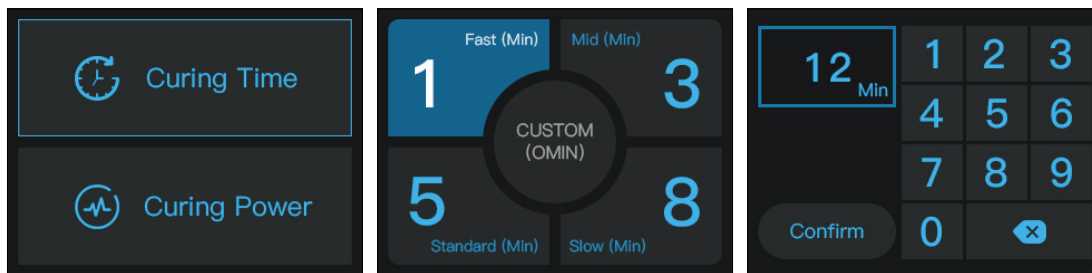


b: Bake Temperature: Options: 50, 60, 70, 80°C. After setting, return to the main menu.

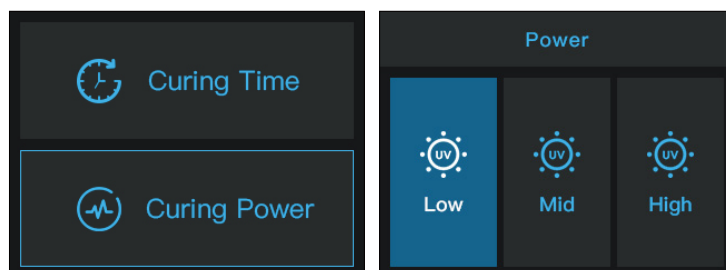


C: Cure Settings

a: Cure Time: Options: 1, 3, 5, 8 minutes, or Custom (max 12 minutes). Select the time, then return to the main menu. Rotate the knob to select Start and press to begin curing.

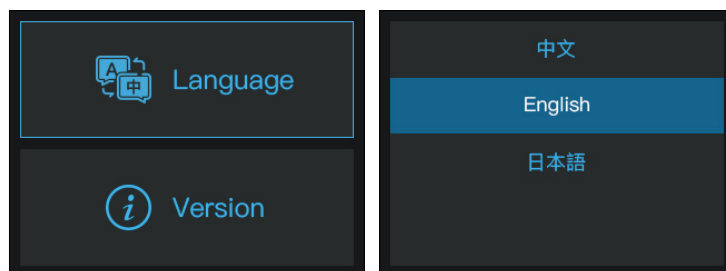


b: Cure Power: Options: Low (80 mW/cm²), Medium (150 mW/cm²), High (210 mW/cm²). Select the power, then return to the main menu and start. To change power during curing, pause, select a new power, and resume.

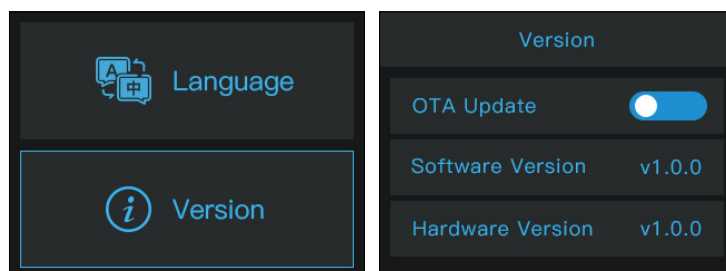


D: System Settings

a: Language: Chinese, English, Japanese. The selected language will take effect immediately.



b: Version Info: Displays hardware version, software version, and supports OTA updates.



D、Resin Curing Reference Table

Resin Type	Bake Required	Bake Temp	Bake Time (min)	Power Level (mW/cm ²)	Cure Time (min)
Standard Resin	Yes	50°C	3 min	Low (80mW/cm ²)	3 min
Precision Cast Resin	Yes	50°C	3 min	High (210mW/cm ²)	3 min
Precision Cast V2	Yes	80°C	Wall Thickness < 3mm: 3 min Wall Thickness > 3mm: 5 min	High (210mW/cm ²)	Wall Thickness < 3mm: 3 min Wall Thickness > 3mm: 5 min
Hi-Wax Cast Resin	Yes	80°C	5 min	High (210mW/cm ²)	3 min
High-precision Dental Model Resin	Yes	50°C	5 min	High (210mW/cm ²)	3 min
Fast Dental Model	Yes	50°C	3 min	High (210mW/cm ²)	3 min
Water-washable Dental Model	Yes	50°C	3 min	High (210mW/cm ²)	3 min
Surgical Guide Resin	Yes	50°C	3 min	Medium (150mW/cm ²)	3 min
Gingiva Resin	No	/	/	High (210mW/cm ²)	5 min
Dental castable Resin	Yes	80°C	5 min	High (210mW/cm ²)	5 min

E、Operation Steps

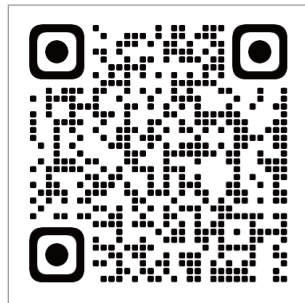
- a: Before post-curing, clean residual resin from the model surface using ≥95% alcohol or 99% isopropyl alcohol (IPA). (Follow special requirements for specific resins.)
- b: Open the door and place the model on the turntable with the bottom facing down. (If submerging in liquid, place the model in a beaker or transparent container filled with water or other liquid to cover the model.)
- c: Select whether baking is needed based on resin properties. Set baking time and temperature to ensure the model surface is completely dry.
- d: Set the appropriate cure time (3, 5, 7, 10, or Custom minutes) according to the resin's post-curing requirements.
- e: Adjust the UV power according to the resin reference table: Low (80 mW/cm²), Medium (150 mW/cm²), or High (210 mW/cm²).
- f: Place the model in the center of the turntable with the bottom facing down, then gently close the door.
- g: When the set cure time is reached, confirm that the UV light has turned off and the turntable has stopped. Open the door and remove the model. (If cured submerged, take the model out of the container and wipe or air-dry surface moisture.)

After-Sales Technical Support

Thank you for purchasing NOVA3D products. Under normal use, the product warranty period is up to one year (excluding consumables). Please visit the NOVA3D official website (<http://www.nova3dp.com>) for any product issues. Our professional technical support team is ready to assist you.



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