



L120 3D PRINTER

USER OPERATING INSTRUCTIONS

Beijing Dazzle
3D Technology Co.,Ltd

SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- 1.The ambient temperature of the equipment is 18~28°C, and the humidity is 40%~60%. If the temperature is too high or too low, the exposure time should be shortened or prolonged.
2. If the equipment does not have automatic feeding function, please do not add materials too high or too low to the liquid material box. When printing a large-volume model, please pay attention to the use of materials and add appropriate materials.
3. The bottom of the liquid material box is a special release film. Please do not use sharp objects to stab, twist or scratch the bottom of the liquid material box, which will lead to the rupture of the release film and can not be used.
- 4.Keep the printing screen clean so as not to affect the light transmission performance.
- 5.Before each printing, check whether there are sundries at the bottom of the liquid cartridge and in the material. If there are sundries, clean them up.You can use the function of "clean" -> on the device control interface to solidify the bottom residue into a layer, and gently remove the residue with a yellow scraper.You can also use the filter funnel every time after filtration back to the liquid box.There is residue in the case of the use of equipment, will be likely to damage the print screen with release film.
- 6.After the model is printed, it needs to be processed and operated with protective gloves. Put the model into the cleaning cylinder and soak it for about 10-20 minutes.After soaking, the model can be cured under ultraviolet lamp or sunlight, so as to dry the surface of the model.
- 7.Some materials need to be cleaned with alcohol, which is inflammable. Please purchase, use and store alcohol in accordance with local laws and regulations.
- 8.If you need to take out the liquid material box of the printer, please make sure that the molding platform has been removed or the surface of the molding platform is dry, so as to prevent the residual liquid from dripping on the platform and contaminating the printer.
- 9.Ultraviolet light in the natural environment will cause curing reaction of printing materials in the liquid material box. After taking out the model after printing, please cover the printer cover in time and avoid direct sunlight.Pour unused resin into a reserve bottle, not into an unused bottle.
- 10.When the printer is working, the protective cover of the printer should be well covered to prevent possible UV leakage.In the case of maintenance and commissioning, professional UV protection goggles should be worn.Do not move the printer during operation.
11. The printer is an electronic control device and cannot be wiped or cleaned with water.
- 12, Printing machine shell bearing strength is limited, do not stack items on the printing machine shell.
13. The power interface and switch are on the back of the enclosure. The equipment is powered by the power adapter, and the output end of the power adapter is inserted into the power socket on the back of the equipment. When the switch is pressed "1", the machine is in the state of power on. When the switch is pressed "0", the machine is in the state of power off.
- 14.We suggest to choose DAZZLE brand resin, includes EC08,HT3,WG5,etc. We don't responsible for 3rd party resin. Please use suggested materials and spare parts from original manufacturer.

15. This device is intended for indoor use only.
16. Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.
17. Do not touch the device, the power cord, or any other connected cables with wet hands.
18. Do not install this device on an unstable surface where it could fall and cause either personal injury or damage to the device and/or other equipment.
19. Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
20. Do not place or install this device in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or combustible vapors.
21. Use only in a well-ventilated area. Do not use in close, confined spaces.
22. Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred.
23. Before plugging the unit into a power outlet, ensure that the outlet provides the same type and level of power required by the device.
24. Unplug this device from the power source when not in use.
25. Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.
26. Never unplug the unit by pulling on the power cord. Always grasp the connector head or adapter body.
27. This printer has many moving parts. Do not reach inside during printing.
28. If any resin or liquid gets into the printer, clean it out immediately.
29. Resin may cause skin irritation or allergic skin reactions. When using it with uncured resin, wear gloves such as nitrile or neoprene. Don't Use latex gloves. If the resin gets on your skin, use soap and Warm water.
30. When handling liquid resin, removing printed parts, and removing supports from printed parts, wear safety glasses/goggles and face shields. If the resin gets into your eyes, immediately rinse with cold water and then consult a doctor.
31. Ultraviolet rays are harmful to eyes, so please avoid direct contact. When you need to check the ultraviolet rays, please wear safety glasses.
32. Clean the resin tank after printing.
33. Clean the lid and casing with a non-abrasive microfiber cloth and soapy water or a universal cleaner. Do not use ethanol, if you wipe with ethanol, the acrylic coating may cause cracks,
34. Please keep out of reach of children.

Disclaimer

All product, product specifications and data are subject to change without notice for improved reliability, functionality, design or other reasons.

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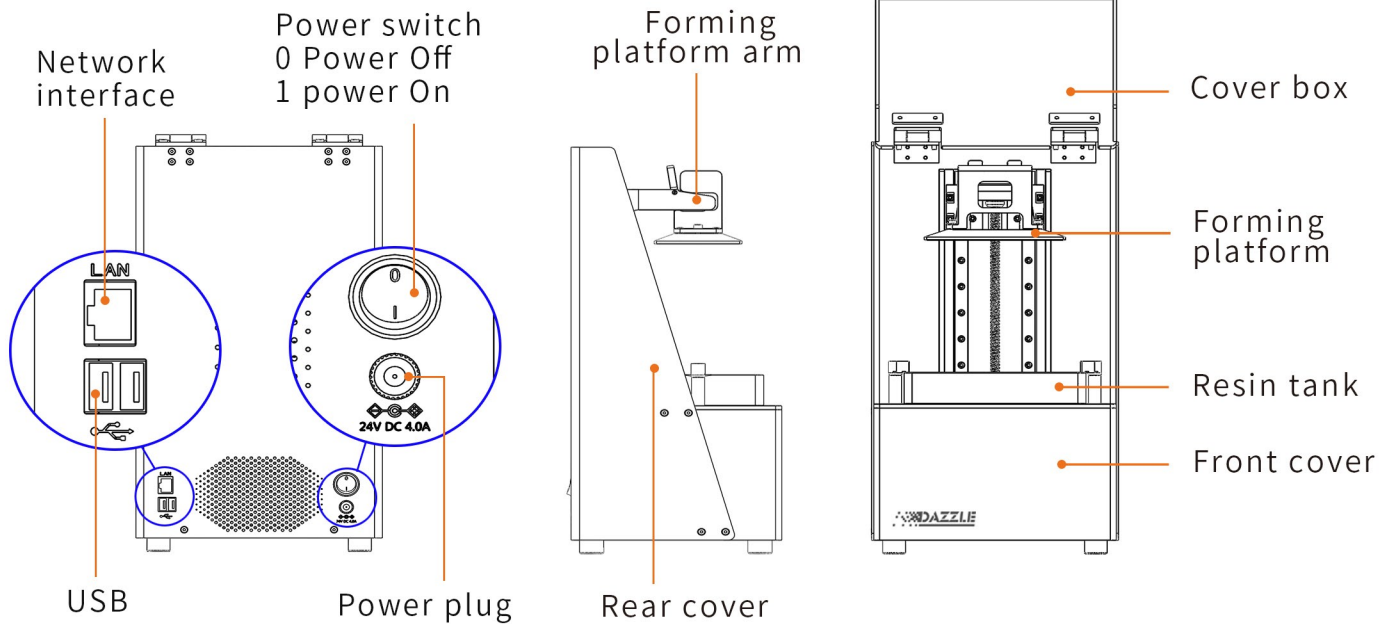
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I Introduction



● Accessories introduction

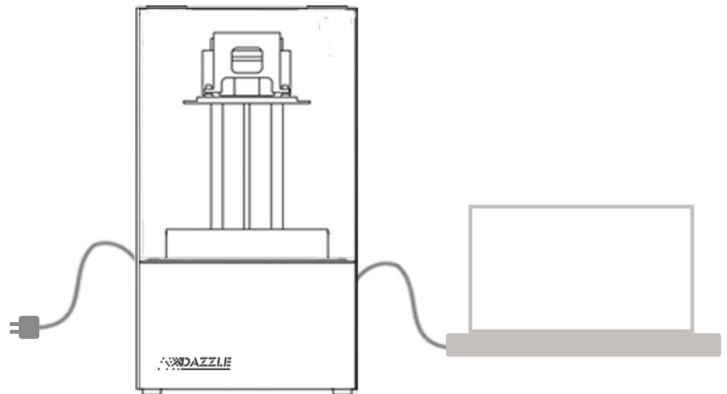
Name	Usage	Name	Usage
① Network cable	To connect printer and computer	⑦ Polishing sand paper	To polish the support points
② Power adaptor	DC power supply	⑧ Cleaning bottle	To clean the resin on the surface of model
③ Resin tank	Printing material container	⑨ Cleaning tank	To soak models
④ Forming platform	Platform for model forming	⑩ Stainless scraper	To remove the model after printing finished
⑤ Disposable filter	To filter the residue in resin	⑪ Disposable gloves	To keep hands clean during aftertreatment
⑥ Scraper	To clean the residue in resin tank	⑫ Tools and screws	Sub. screws and 3 Allen key



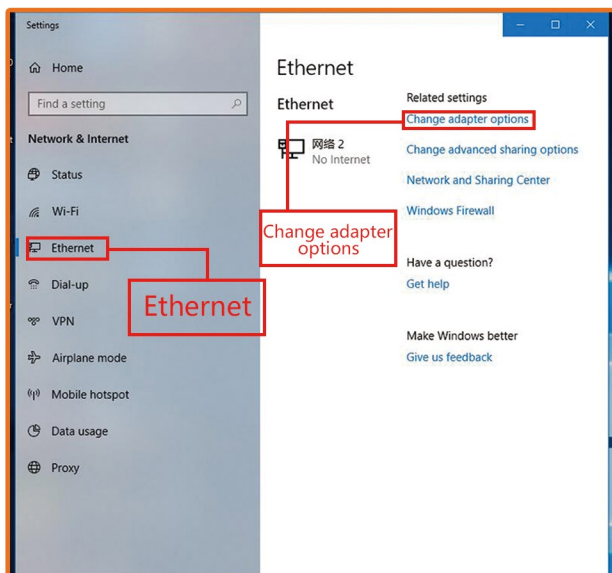
Please download software from : www.dazz-3d.com

II Device connection

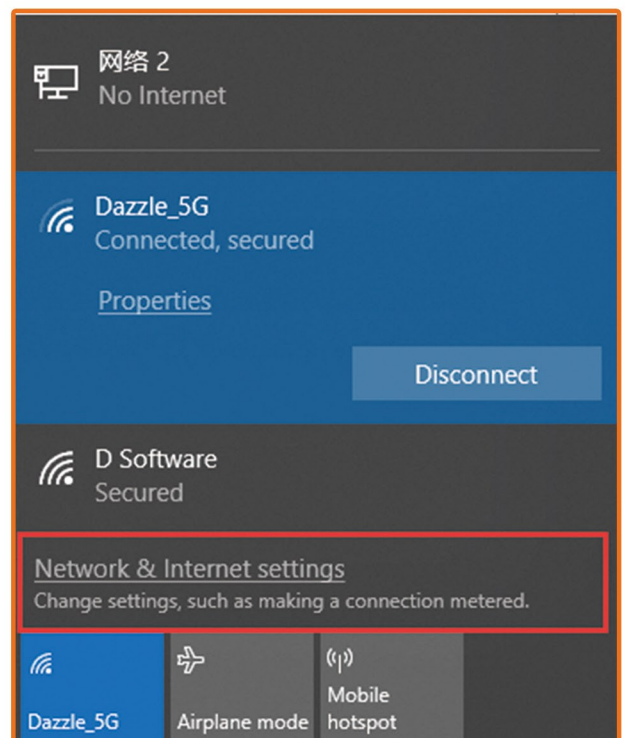
LAN connection



Connect the printer with power
Connect the printer with network cable



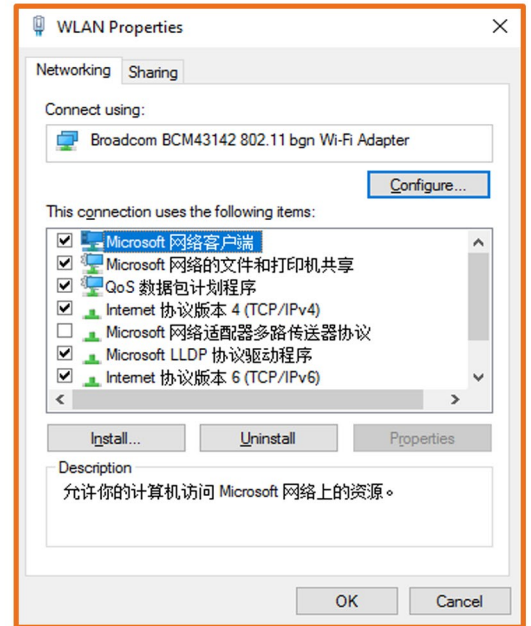
Click "Change adaptor setting"
in LAN setting



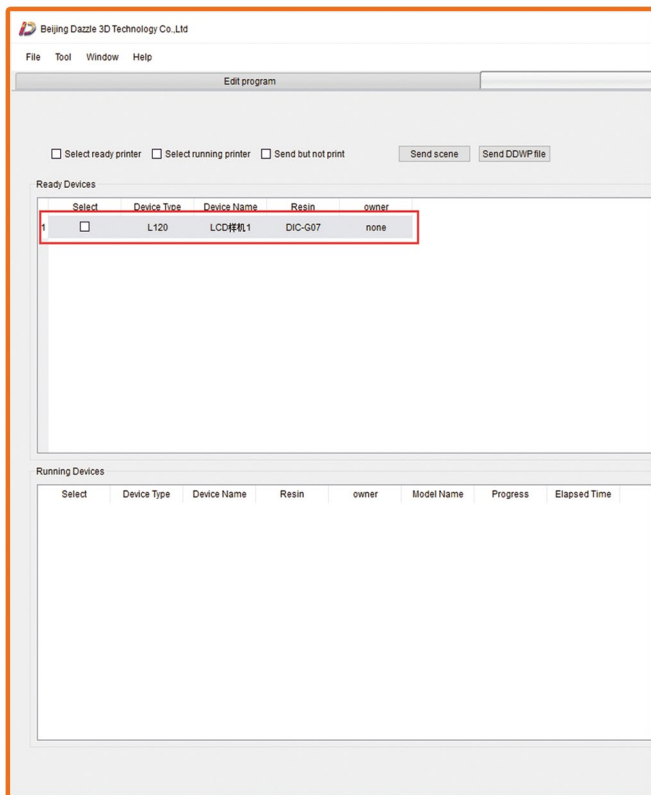
Click "Network & Internet setting"



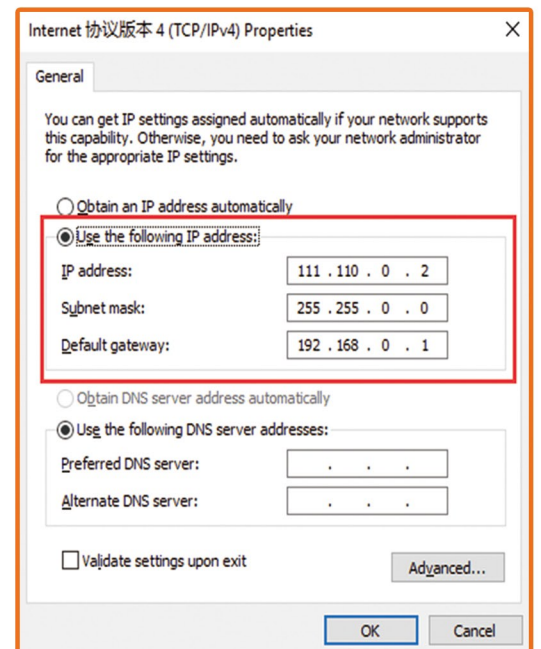
Choose the LAN connected and click the right button and choose “Attribute”



Double click IPv4 for network setting

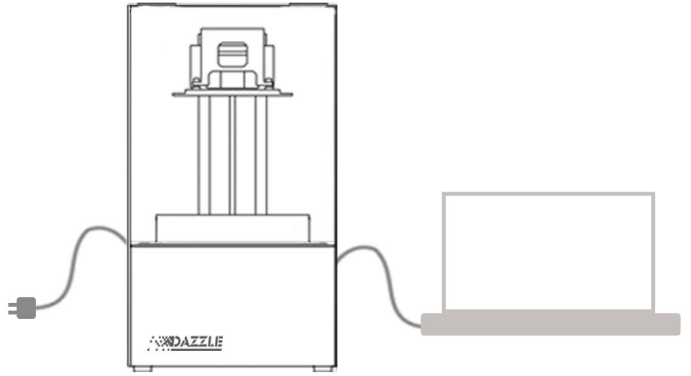


Open the software,if the printer is in the device list,then connection succeeds.

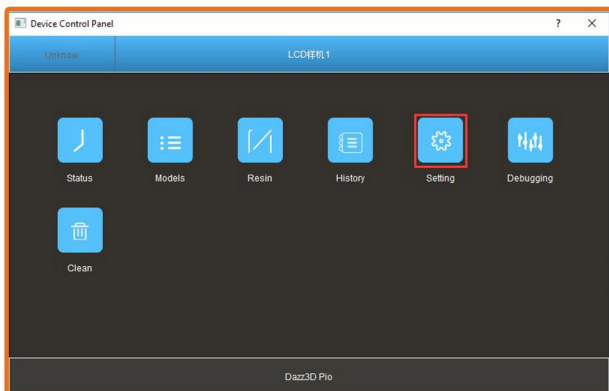


Setting the IP as showed in picture and click “Confirm”

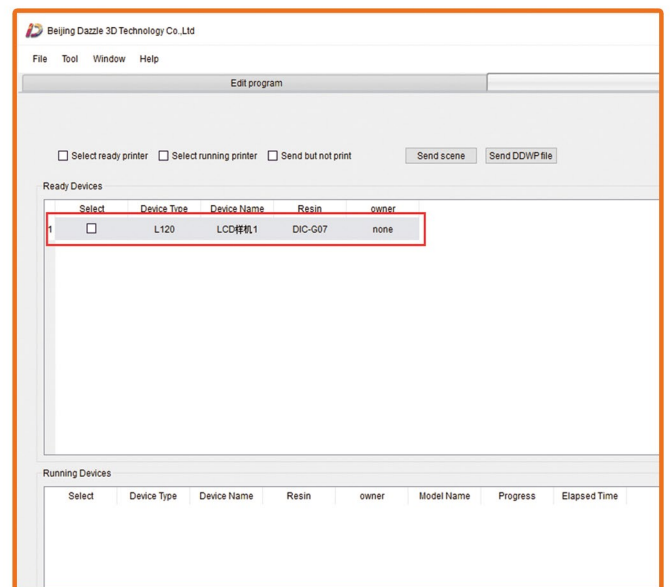
WIFI
connection



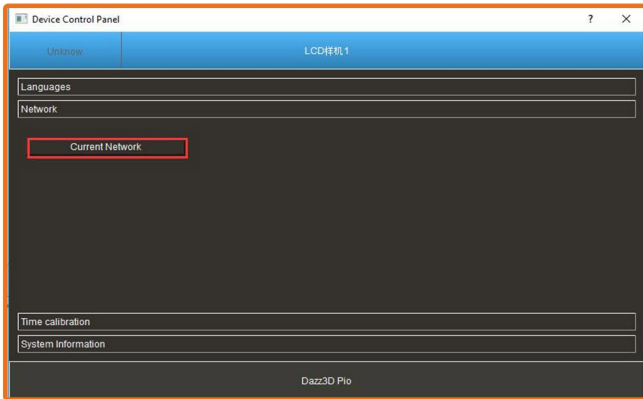
Connect printer with computer
through LAN



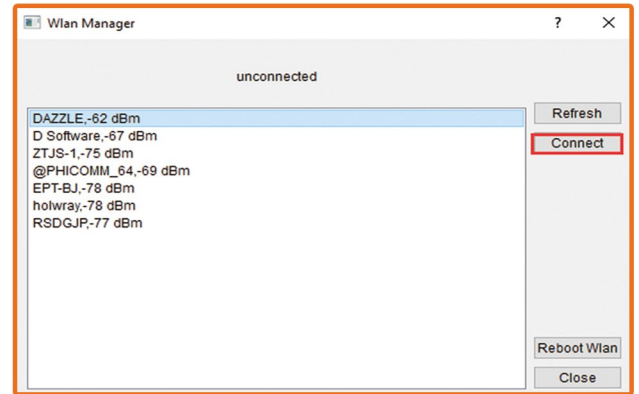
Click for “System settings”



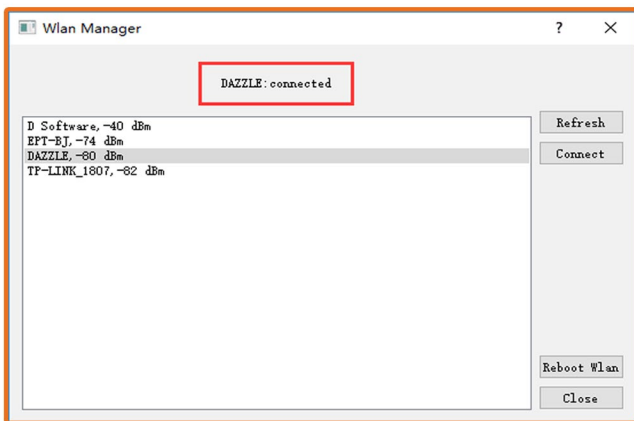
Double click any item in “Device
information” for device control
panel



In network setting interface, click
“Current network” for network
setting

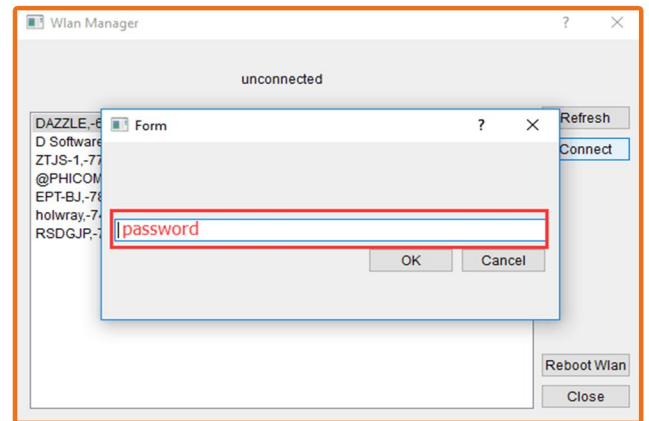


Choose WIFI network and
click “Connect”

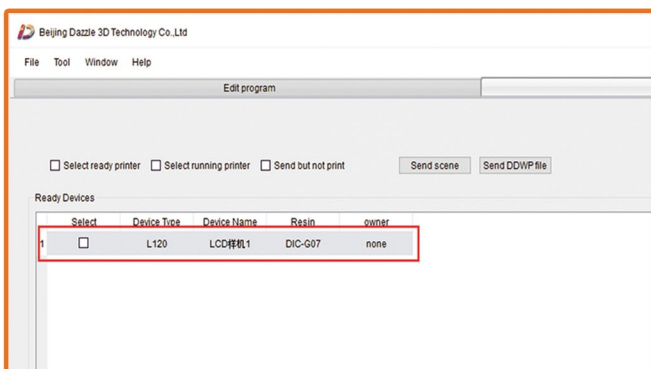


WIFI setting succeed when
“connected” shows on top.

(Tips: wait 10 seconds after input password
. When the WIFI signal is not good, try more)

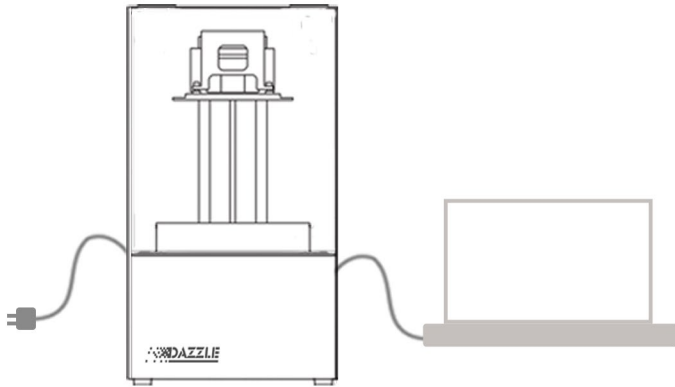


Input WIFI password and
click “Confirm”

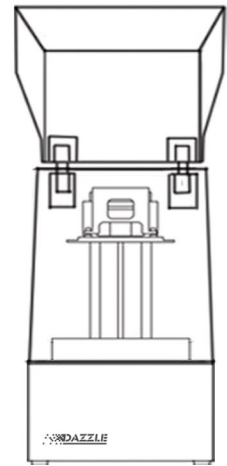


Unplug network cable and restart
software. WIFI connect succeed when
the printer shows on the device list.

IV Start printing



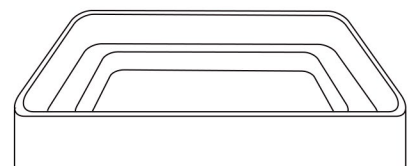
Connect the printer
(Refer "Device connection")



Open the cover box

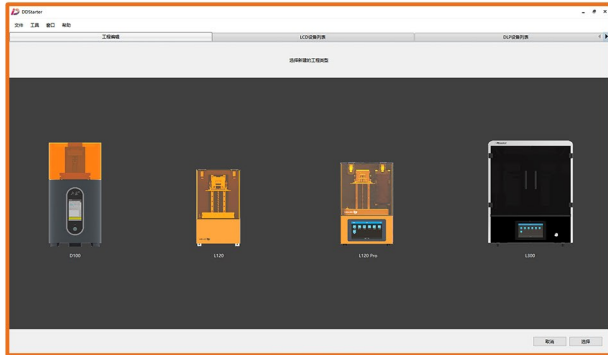


Close the cover box

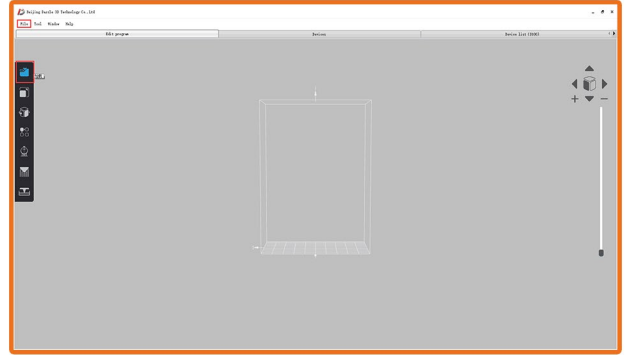


Pour resin in the tank
(Tips: Do not over the max line)

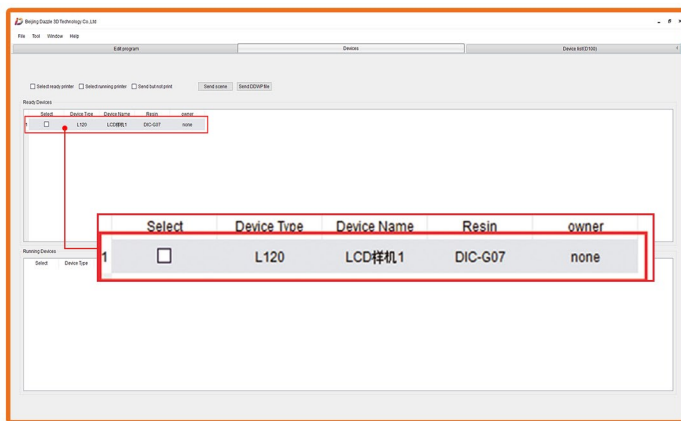




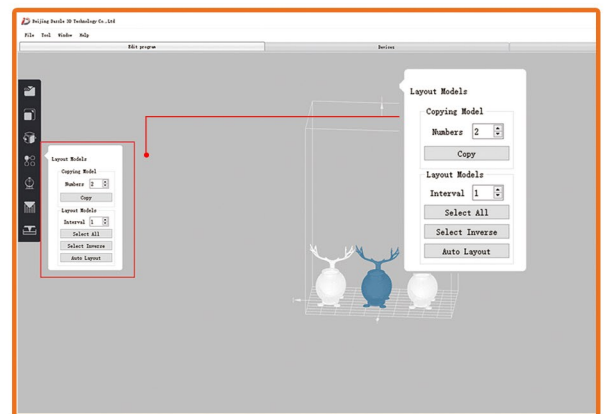
Build new project in software



Lead in model for printing



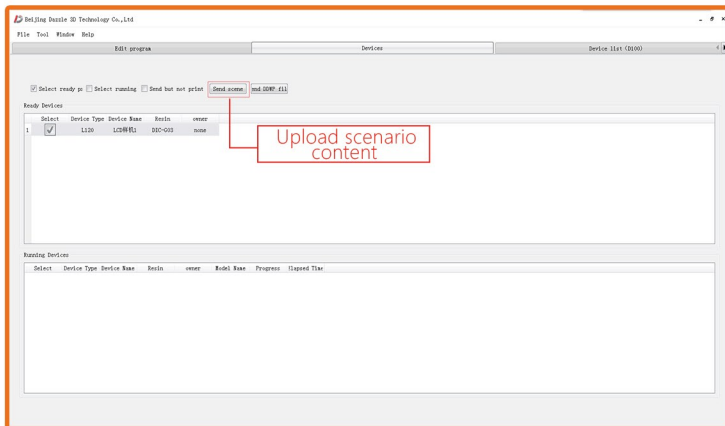
Choose printer



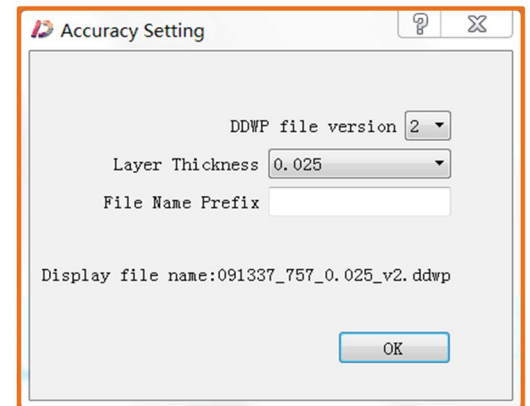
Click "Upload scenario content"

(Please check the selected parameter packet.
Read "Parameter revise" part when need to change.)

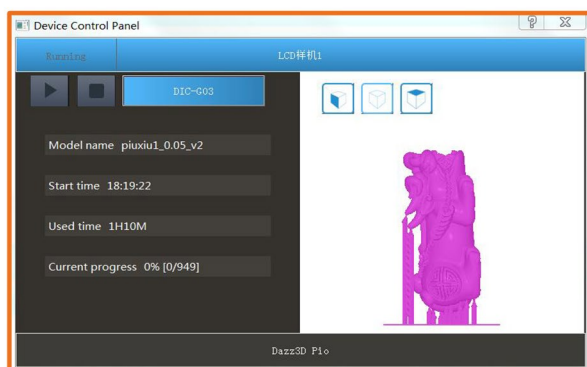




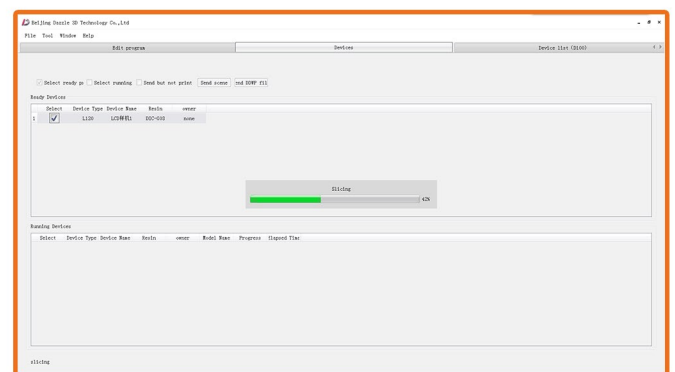
Click “Upload scenario content”



Choose layer thickness and name the task



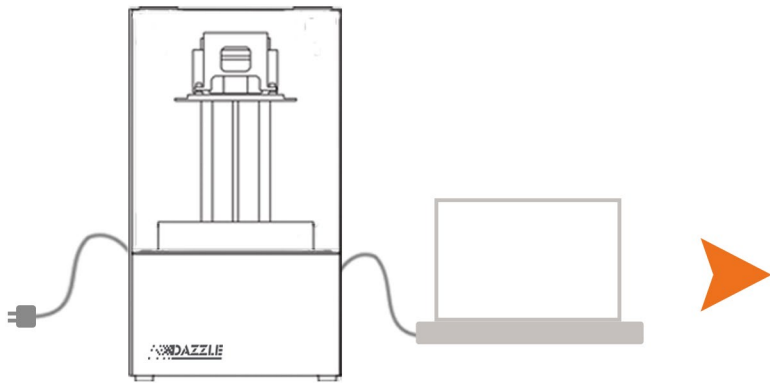
Start printing. Check the printing progress in control panel.



Wait for slicing completed

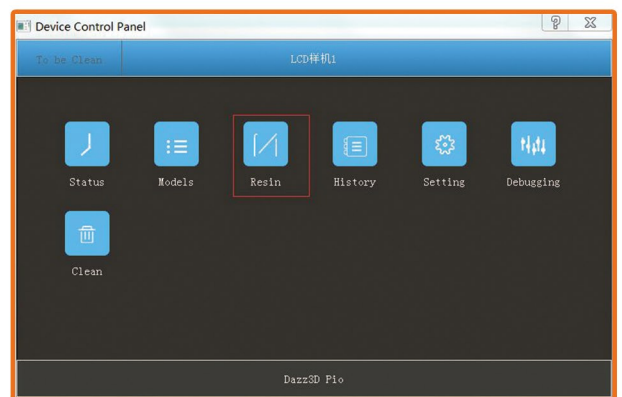
III Parameter setting

● Resin parameter

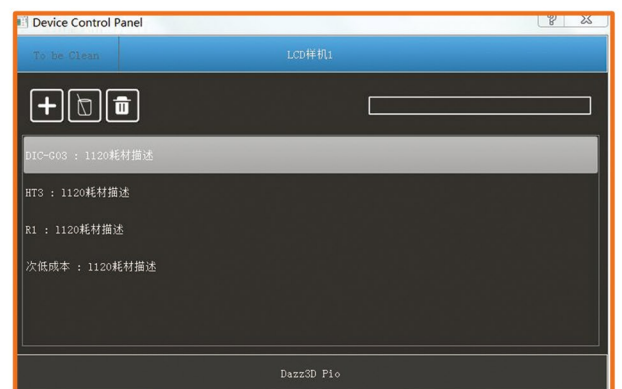


Connect the printer

(Read Part "Printer connection")



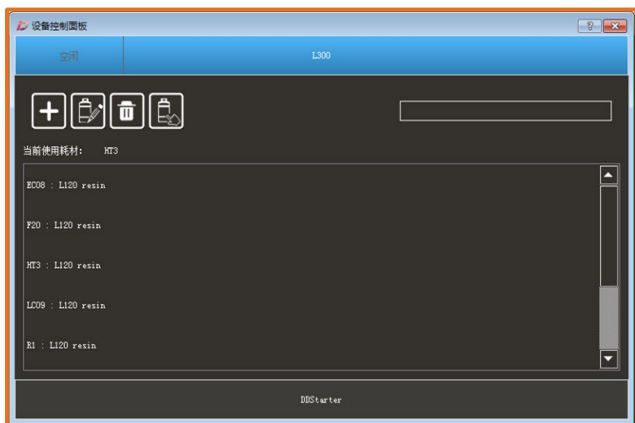
Open device control panel and
click" Resin list"



Choose printing data package

(Tips: The data package should match
the resin)

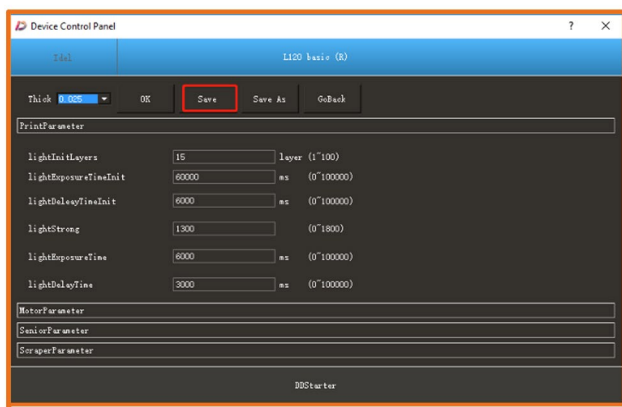
● Edit resin parameter



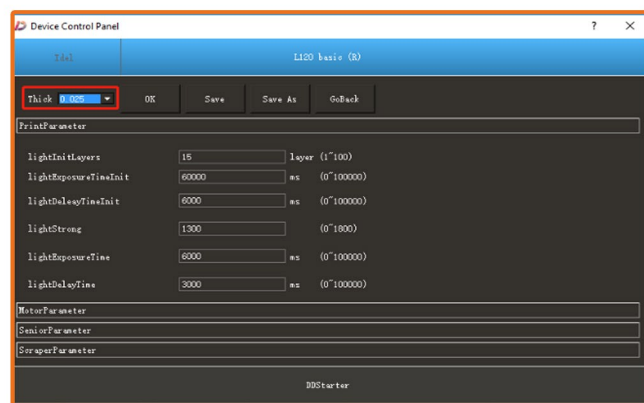
Choose the parameter package



Click “Edit” for resin parameter editing

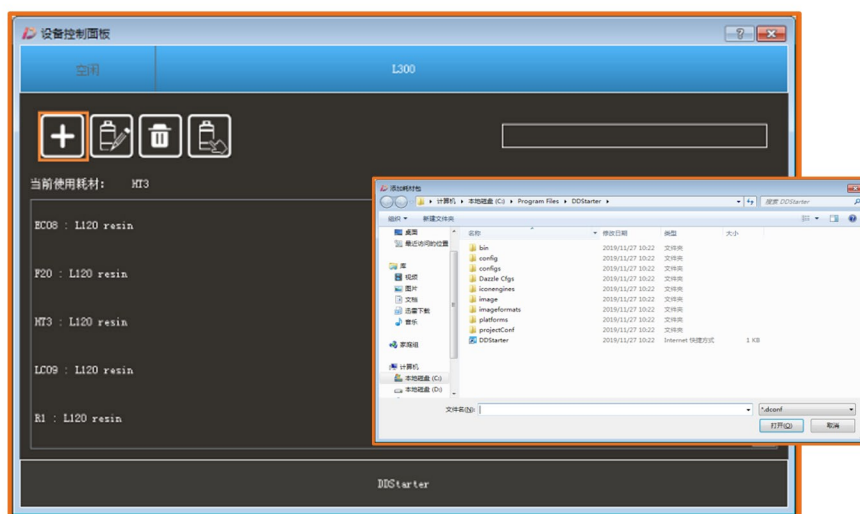


Click “Save”



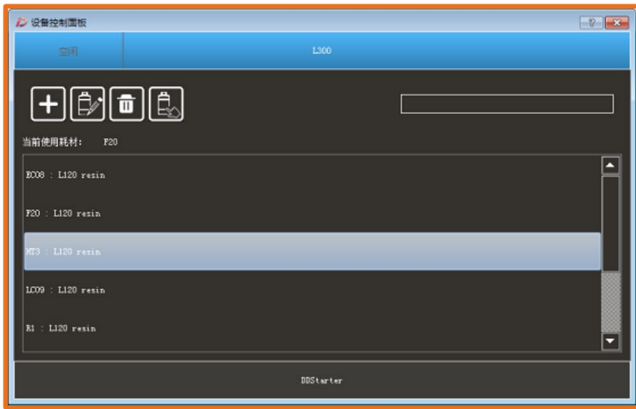
Revise the parameter

● Add resin parameter

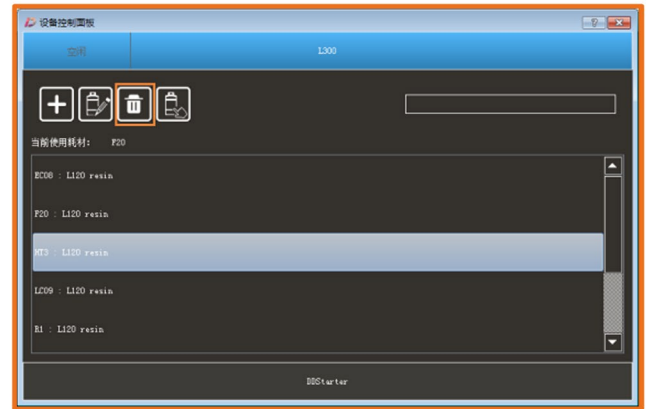


Click” +” to add new resin parameter package

● Delete parameter package

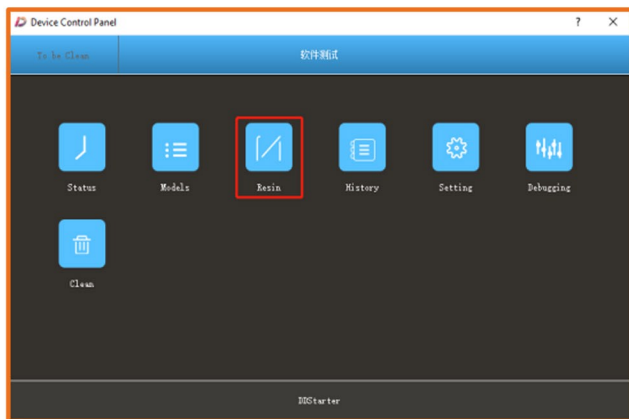


Select the resin parameter
you want to delete

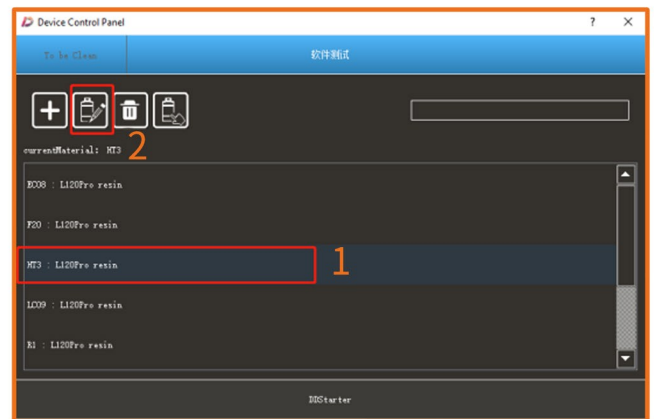


Click the “delete icon” to delete
Note: at least keep one resin parameter

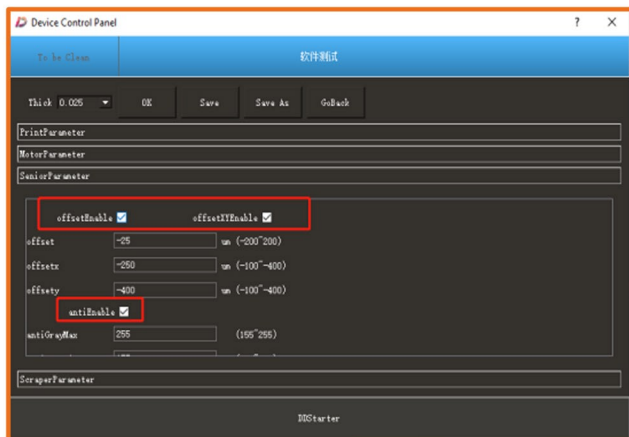
● Anti-aliasing function



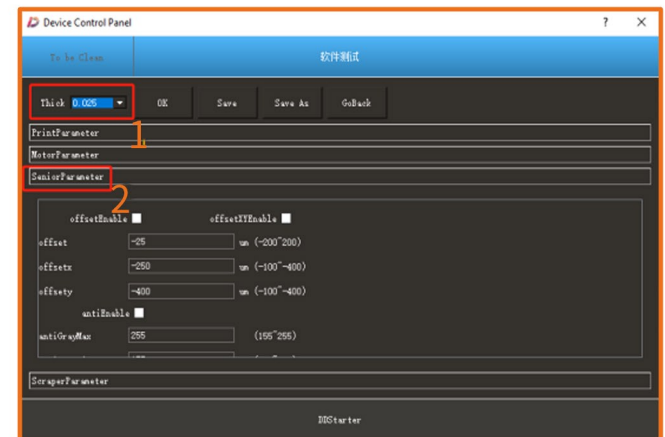
Click the resin icon



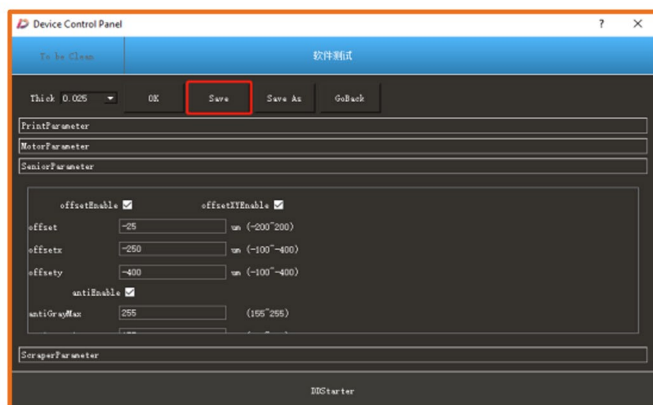
Click the resin you using then click the 2nd icon to edit



Check the functions that you want to turn on, etc X and Y offset and anti-aliasing



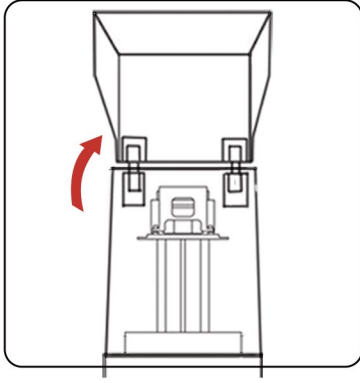
Choose the thickness that you want to edit then select the senior parameter



Click save after check the function

Note: After the senior parameters turn on, the time spend of printing time will be longer

V Post-curing



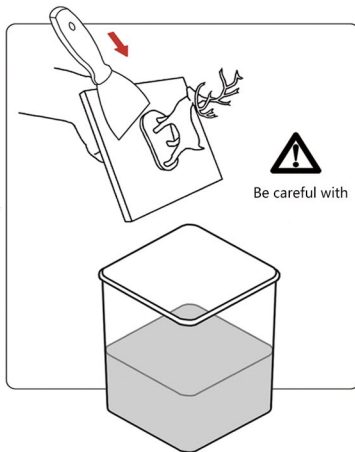
Open the cover box

(Tips: Please wear disposable gloves.)

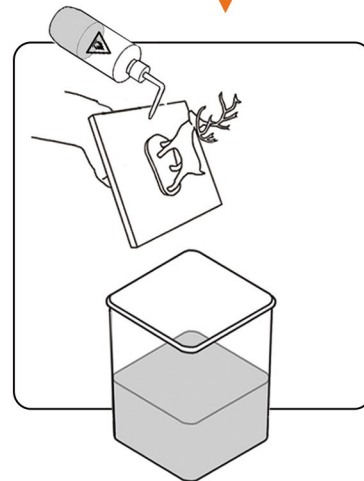


Take out forming platform

(Tips: Turn the forming platform on the arm to dry it before take it out.)

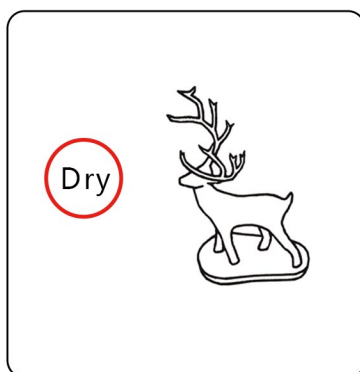


Take the model out with shovel from the forming platform.

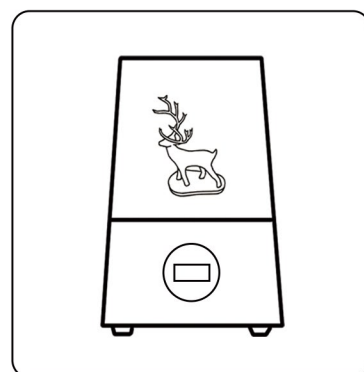


Clean the model with) 95%-99.9% ethanol (alcohol)

(Tips: Postcure the model as required)



Remove the supports when model is dry



Postcure the model in postcure oven

(Tips: Models could be solidified in sunshine. Post-processing procedure is different from different resin.)



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