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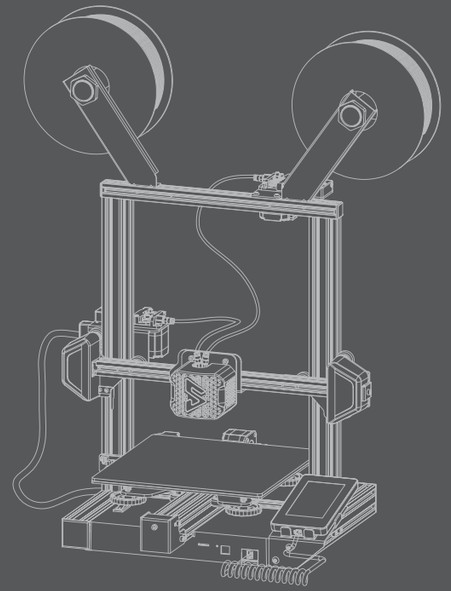
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FC CE RoHS

LOTMAXX

Lots of Ideas,Maximum Creation



User Manual
LOTMAXX SHARK V3

YouTube Lotmaxx

www.lotmaxx.com

Dear LOTMAXX 3D users, to help you get started quickly with your new 3D printer, we want to make sure you know about our YouTube channel, LOTMAXX, which provides detailed information on initial printer setup, software usage, firmware updates, troubleshooting, FAQs tutorials, and more. Please be sure to check it out, we hope it's useful to you.

Also! Be sure you take a look the goodies on the included TF card. There you will find some sample models to print and firmware if you ever should need it.

Thank you for choosing the LOTMAXX 3D printer, we are looking forward to witnessing your first work created with LOTMAXX 3D printer. Please share with us in the following two ways.

instagram www.instagram.com/lotmaxx3d

By sharing the photo of the printed work and the machine, post the photo on instagram , and write the title #3d printer, #LOTMAXX&model , My first 3D work with LOTMAXX， then @ our official ins : lotmaxx3d For example ,#3d printer, #LOTMAXX&SHARK V3 , My first 3D work with LOTMAXX @lotmaxx3d

Tiktok www.tiktok.com/@lotmaxx3d

By sharing the video of the printed work and the machine, post it via tiktok, and write the title #3d printer, #LOTMAXX&model , My first 3D work with LOTMAXX， then @ our official tiktok : lotmaxx3d For example ,#3d printer, #LOTMAXX&SHARK V3 , My first 3D work with LOTMAXX @lotmaxx3d

Share your works with us through the above two methods， you will have the opportunity to get 3d printing filament support or others. Please follow our social media facebook,Instagram,Tiktok for details

We promise to regularly publish activities to give away 3d printing filament or others accesorise for free, Please follow us on social media facebook, Instagram,Tiktok for details

If you have any questions about this event, please contact us by
Website : www.lotmaxx.com
Email: service@lotmaxx.com
Hotline: +86 13602651487 (WhatsApp)
Facebook: www.facebook.com/Lotmaxx3D
Instagram: www.instagram.com/lotmaxx3d
Tiktok: www.tiktok.com/@lotmaxx3d

NOTICE

1.Please do not use this product in any way not mentioned in the user manual.

2.Please do not place the printer near inflammable and explosive heat sources; but in a well-ventilated, cool and dust-free environment;

3.Please do not place the printer on a vibrating surface or any unstable environment.

4.Use only consumables recommended by the manufacturer.

5.Use the supplied Lotmaxx power cord, do not use other people's power cords at will; the power socket must be grounded;

6.Please do not touch the nozzle or the hot bed while warming up or printing.

7.Please do not wear gloves or other similar items when operating the printer.

8.After printing, clean the nozzles while there is still residual heat to avoid clogging.

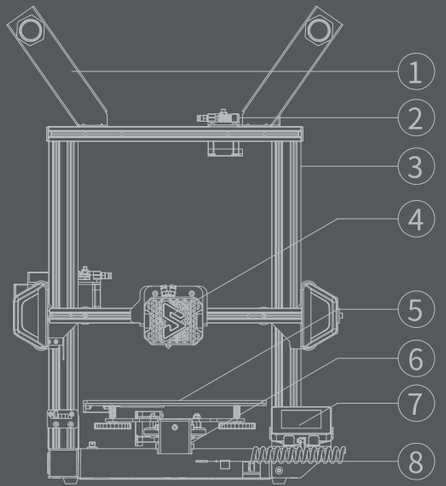
9. Properly maintain the printer, wipe the printer with a dry cloth to remove dust, printing materials stuck on the hotbed, etc.

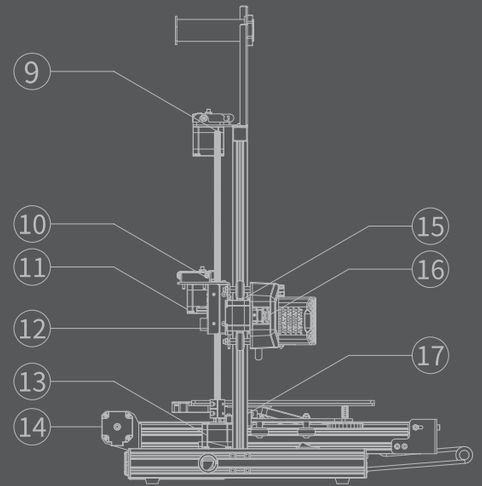
10. Children under the age of 10 are prohibited from using this product unsupervised.

11. Please do not restart the 3D printer quickly. If you need to restart the printer, wait at least 10 seconds before turning the 3D printer back on.

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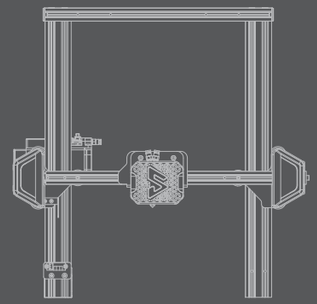
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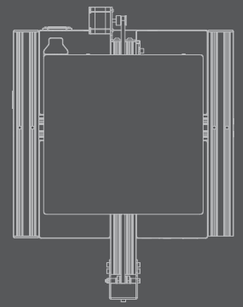


1. Spool Holder
2. E2 Stepper Motor
3. Gantry
4. Hot End Assembly
5. Printing Platform
6. Y-Axis Limit Switch
7. Touch Screen
8. TF Card Slot
9. Z-Axis Screw
10. Filament Runout Sensor
11. E1 Stepper Motor
12. Line Adaptor Box
13. Z-Axis Stepper Motor
14. Y-Axis Stepper Motor
15. X-Axis Stepper Motor
16. X-Axis Limit Switch
17. Z-Axis Limit Switch

·Gantry



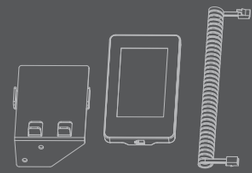
·Base



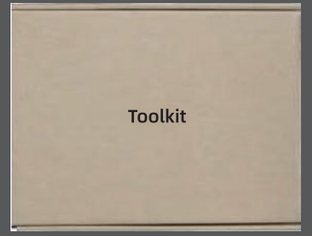
·Filaments



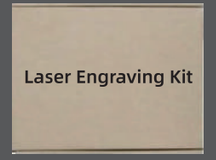
·Display and Mounting Bracket



·Accessory Kits







Tool Kit

S/N	Illustration	Accessory name	Quantity
1		Wrenches and screwdriver	1 set
2		TF card and card reader	1 set
3		Spatula	1
4		Diagonal Pliers	1
5		Through-Needle	1
6		Spool Holder Arm	1
7		Spool holder Nut	1
8		Spool Holder Tube	1
9		Power cord	1
10		USB Data Cable	1
11		Spare parts	1 set
12		M5x45 Black Cup Head Combination Screws	4
13		M4x8 Screws and M4 T-Nuts	1 set
14		Hex Socket Flat Head Cap Screws M5x10	2

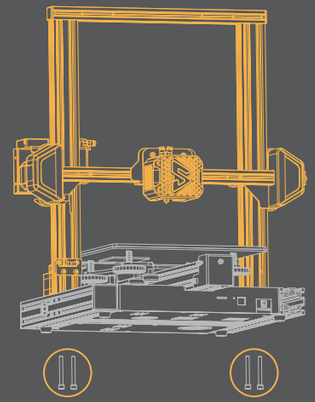
Laser engraving accessories

S/N	Illustration	Accessory name	Quantity
1		Laser engraving kit	1 set
2		M4*12 Screws	2
3		Protective Glasses	1
4		Wood Plank	1
5		Bed Clips	4

Dual-color printing accessories

S/N	Illustration	Accessory name	Quantity
1		Dual-Color Print Extrusion Kit	1 set
2		Connection cable	1
3		M4x8 Screws and M4 T-Nuts	2 set
4		PTFE (Teflon) Tube	1
5		Spool Holder Arm	1
6		Spool Holder Tube	1
7		Spool Holder Nut	1

1 Gantry Installation

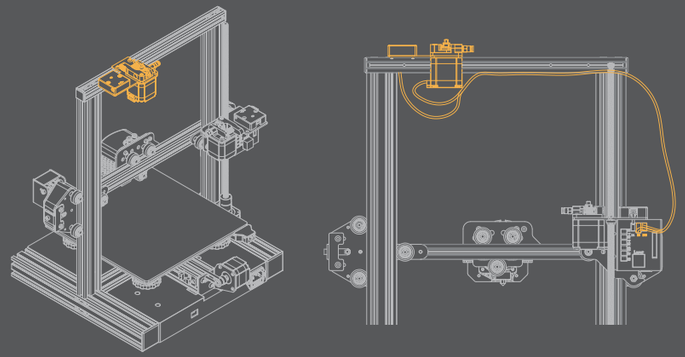


M5X45 4pcs



2 E2 Extruder Installation

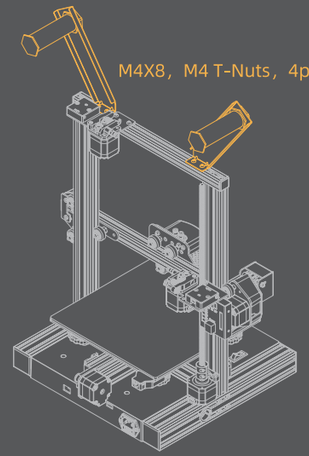
M4x8，M4 T-Nut，2pcs



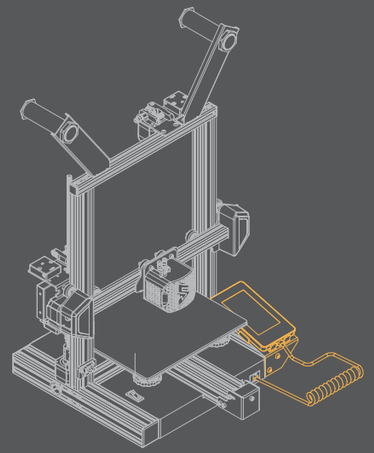
E2 Extruder Wiring Diagram



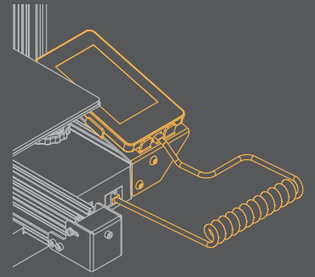
3 Installation of the Spool Holder
M4X8，M4 T-Nuts，4pcs



4 Installing the Display

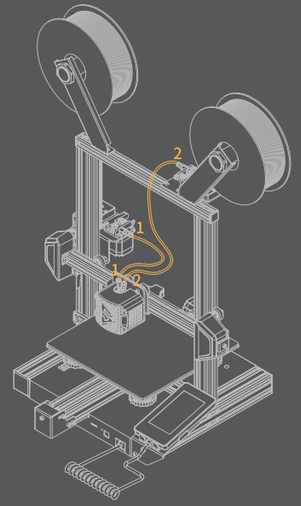


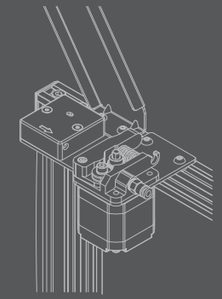
M5X10，2pcs

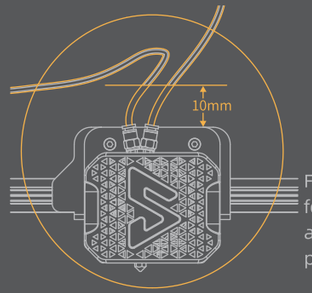


Display Wiring Diagram

5 Installation of extrusion motor kit and position of the Teflon tube

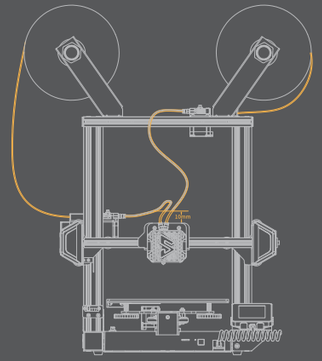






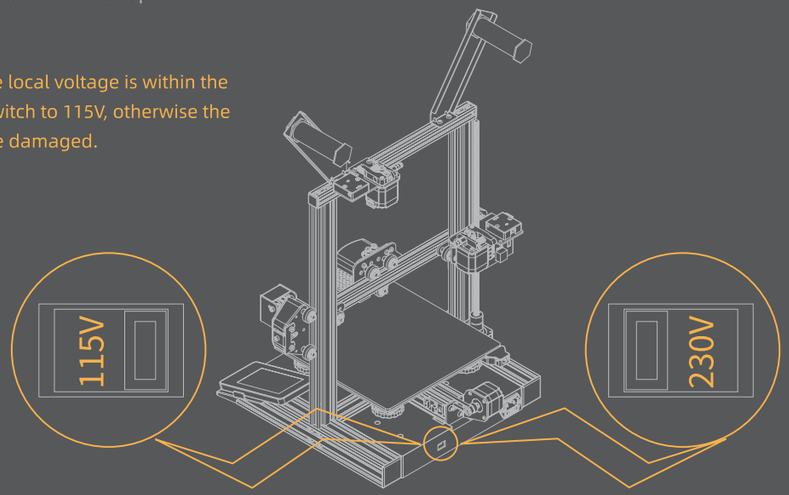
Fill the dual-color filament feed to the horizontal line, about 10mm from the pneumatic joint.

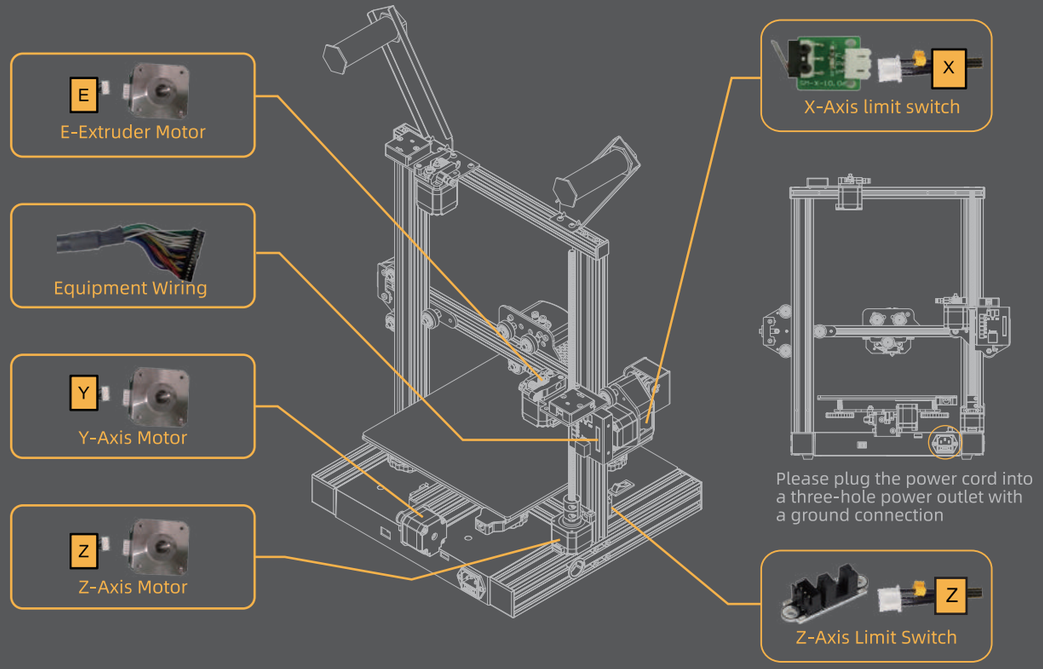
6 Direction of Filament Path

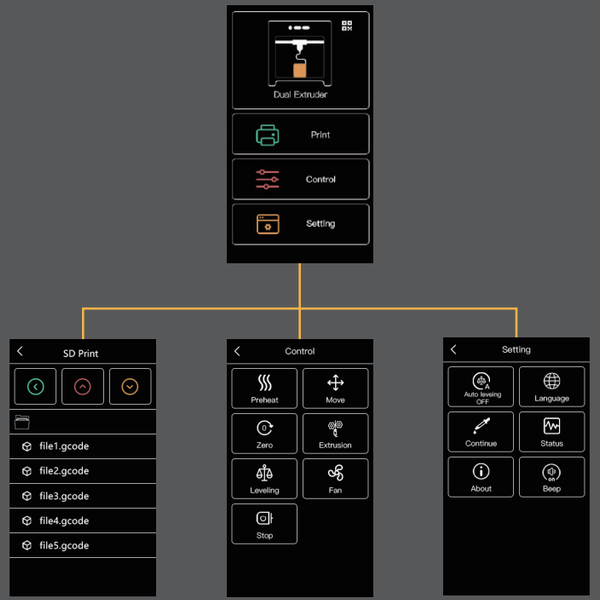


• After the machine is set up, check the machine power supply voltage. If the voltage in your area is in the 100-120V range, set the machine power supply voltage to 115V. If the voltage in your area is in the 200-240V range, set the machine power supply voltage to 230V.

⚠ Special attention: users whose local voltage is within the range of 200-240V, do not set the switch to 115V, otherwise the power supply of the machine will be damaged.





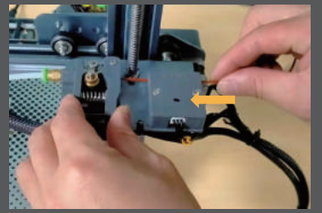


Main Menu	Primary Catalog	Explanation
Print	Files	Displays sliced objects
Control	Preheat	Set nozzle heating and hot bed heating
	Move	Control the direction of movement for X/Y/Z axis
	Zero	Return X/Y/Z to 0
	Extrusion	Control of filament feed
	Leveling	Set the distance between the nozzle and the platform
	Fan	Part cooling control
	Stop	Turn off all motors on all axis
Setting	About	Firmware version of the machine
	Language	Switch between 8 languages
	Continue	Resume printing after power failure
	Status	Mode, Axis positions, and current temperatures
	Automatic Leveling Switch	Enable or disable the automatic leveling function
	Buzzer Switch	Screen button sound on or off

Preheat

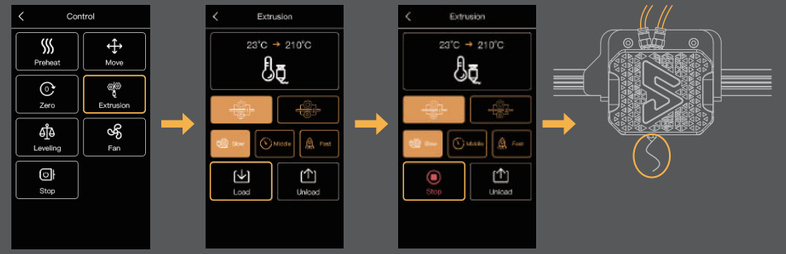


Insert Filament



Press and hold the extruder spring, insert the consumables in the small hole on the filament runout sensor up to the nozzle position, and wait until you see the filament flowing from the nozzle to indicate that the filament has been loaded.

Filament Extrusion Test

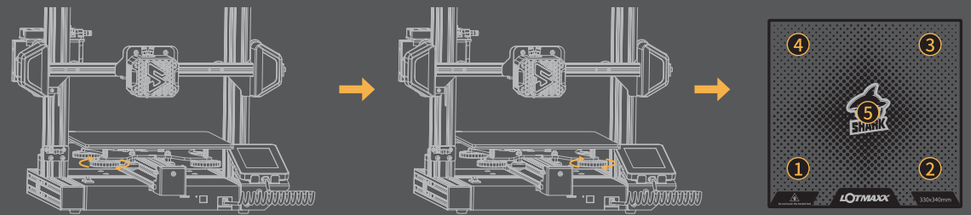


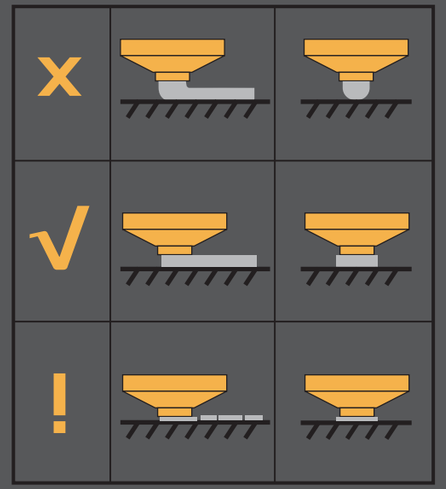
Tip: How to replace the filament?
Method 1: Cut off the filament near the extruder and feed the new filament slowly until the filament is fed into the guide tube.
Method 2: After preheating the nozzle, quickly pull out the filament and feed the new filament in.

Note: The nozzle temperature has to reach 180℃ before feeding extrusion



1 Leveling → first point → second point → third point → fourth point → fifth point





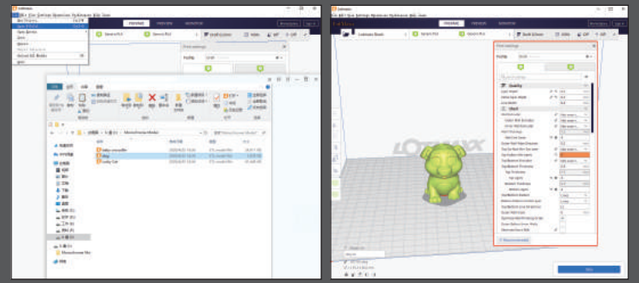
2 Turn the adjustment knob to move the platform closer to, or further from the nozzle until the distance is about 0.1mm. We can use a piece of A4 paper to assist in leveling. The paper should slide between the platform and nozzle, but still feel it between them.

3 Go through each of the 5 points.

4 Repeat the above steps until you no longer need to adjust it.

- **Slicing software installation**

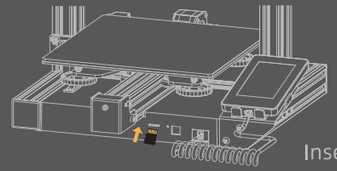
Slicing software can be obtained from the TF data card provided or downloaded from our official website.



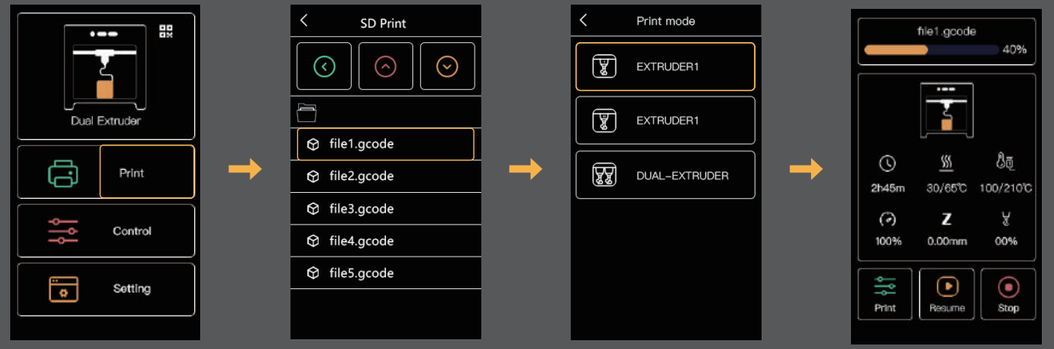
- **Slice**

Open Lotmaxx Slicer → Click on File → Import File → Set Parameters → Slice → Save to Removable Disk

- **Print**



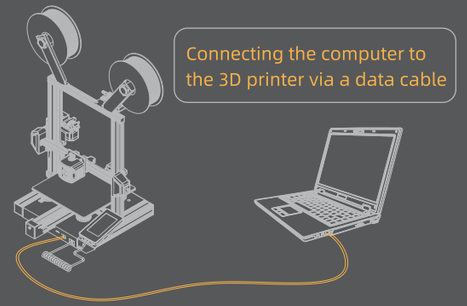
Insert TF card → click print → select file → select print head → printing



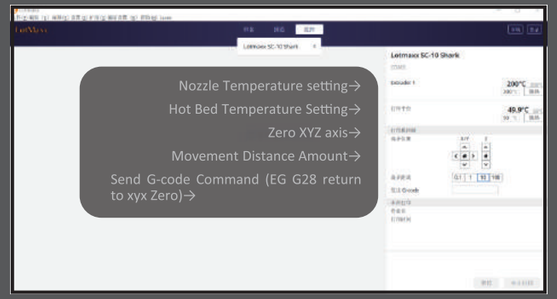
- **Tips**

When printing with the glass bed, please use the following hot bed temperatures(This is for reference only);
PLA: 60-65 C;
PLA+/PETG: 65-70 C;
ABS: 95-100 C.

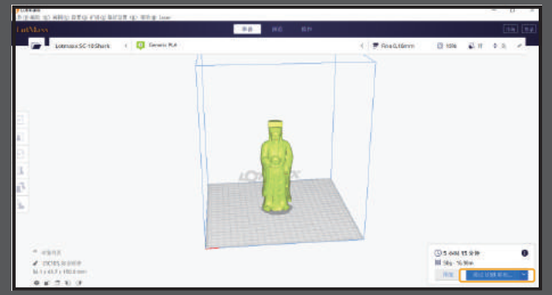
- The computer needs to be connected to the 3D printer via a data cable. The power should not be cut off during printing and the computer should not go into screensaver or hibernation to prevent data transfer failure.
- Use the USB cable to connect the printer to the computer. If the printer is not detected, open the distributed TF card, select the path (Drive:\ 2. Software and driver \ online driver \ USB driver) to install the file (DRVSETUP64).
- Turn on the printer, connect the USB cable, open the Lotmaxx slicing software, click on monitor, display the printer model and other information, indicating that it has been successfully linked to the computer.



Connecting the computer to the 3D printer via a data cable



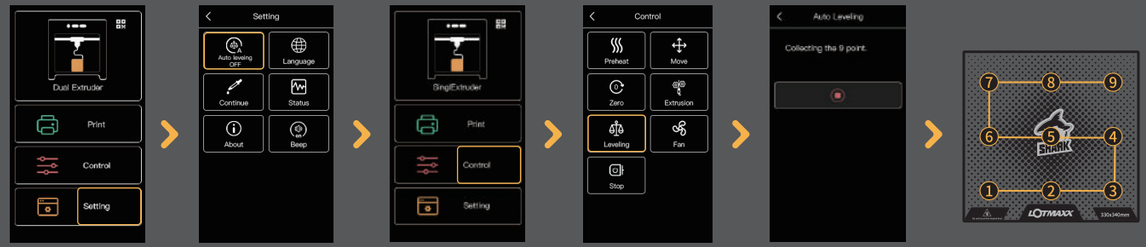
Click on prepare, put in the model, slice



Click Print via USB, wait for warm-up to complete, and print

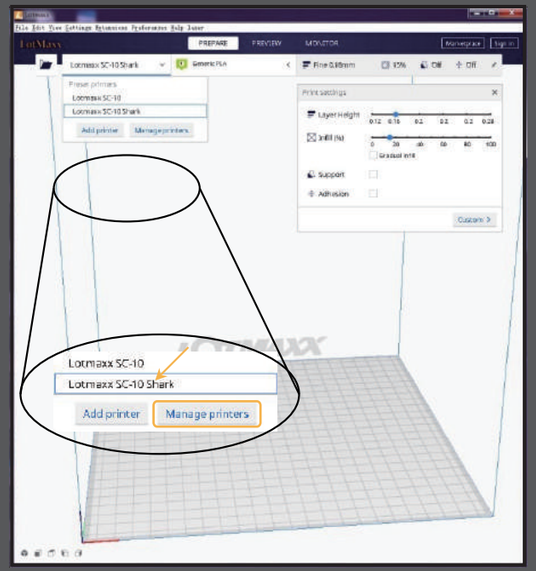
After setup and before your first print, manually level the build platform for the best print quality and print success. When using auto-leveling, turn on the auto-leveling switch in the settings interface. Then enter the automatic leveling control interface. Do not touch the printing platform or move or vibrate the machine before printing to avoid automatic leveling detection errors.

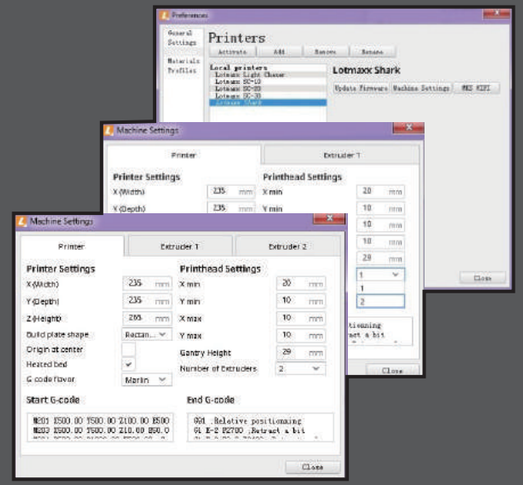
- Click "Settings", "Auto leveling switch", so that it shows "Auto leveling ON", and then return to the control interface.
- Click "control", "leveling", "automatic leveling". After the machine completes nine points of leveling, the nozzle returns to the center of the platform.
- The best distance between nozzle and the printing platform is about 0.1mm, we can select "0.1mm" or "0.05mm" and click "+" or "-" to adjust the relative distance between the nozzle and the platform. You can use a piece of A4 paper to assist in leveling, by clicking the [+], [-] icon to lower or raise the print head (if the nozzle and print platform spacing is too large, you can click the [+] icon to lower the nozzle, and vice versa, click the [-] icon to raise it.) When you pull the paper between the nozzle and platform you should feel resistance, again click auto leveling so re-leveling can be completed.



• Open the Lotmaxx slicing software and select the Lotmaxx SC-10 Shark model and set it to a dual-color print head. (as shown in the picture below).

• If this model is not displayed, click [Add Printer].

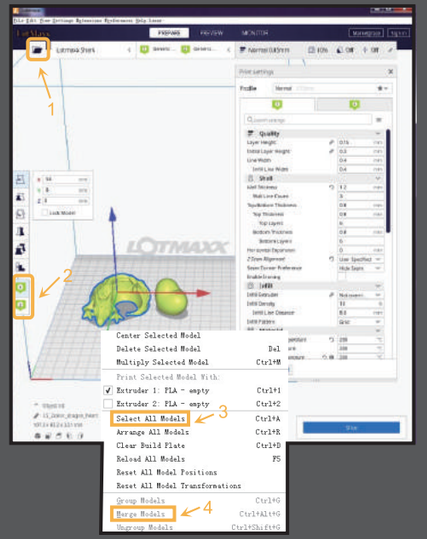


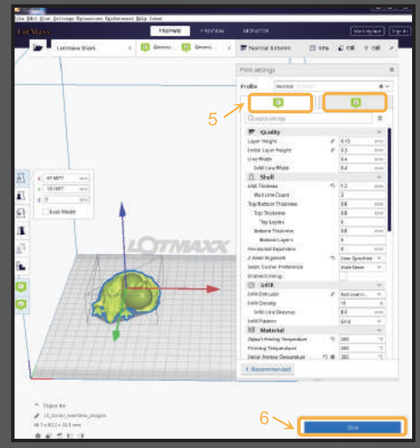


• Import the dual-color model, select two models to define nozzle 1 and nozzle 2, then click the right mouse button to select all models, and finally merge the models (as shown in the figure below).

• It is recommended that nozzle 1 and nozzle 2 are configured with the same parameters. The parameters can be changed according to actual needs. Finally click the slice button to start slicing.

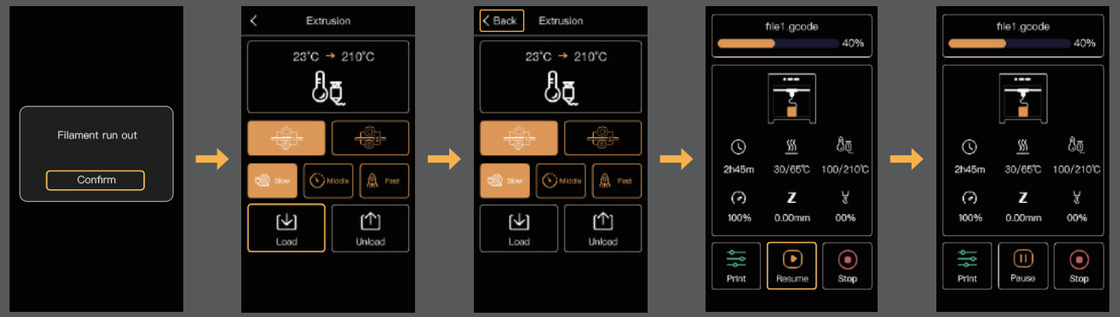
• When printing in dual colors, it is recommended that the printing speed of the machine is set to 1x speed.





Resume From A Power Outage

- If the filament breaks or the spool runs out, the printer will alert you when the break passes through the filament runout sensor.
- The red filament runout sensor light will go out, and the display will show "Filament Run Out". An alarm sound will also be heard at the same time.
- Insert the new filament into the filament runout sensor up to the end of the broken filament, click confirm in the "Filament Run Out" prompt window. The screen will enter the extrusion interface, if you were using extruder 1 with this filament, then click extrusion 1; if you were using extruder 2 with this filament, then click extrusion 2, click back to return to the printing interface.
- Press the "continue printing " button, and the printer will continue printing.



Resume From Filament Break

- When the printer stops running due to power failure, you can continue to print after the power is turned back on.
- After the printer is powered on, the display will show the print run interface, then you can press the "continue printing" button.
- The printer needs to wait for the print head and hot bed to reach the preset temperature.
- Once the temperature reaches it's setting, the X and Y axis will home to zero, and the printer will continue printing.



Continue Printing After Stopping

- If you need to continue to finish a print after stopping the print, you can resume printing through breakpoint renewal.
- Select "Settings" in the main interface, click "Continue", and then select the current print model file.
- The printer needs to wait for the print head and hot bed to reach the preset temperature.
- Once the temperature reaches it's setting, the X and Y axis will home to zero, and the printer will continue printing.



Select Settings

Select Continue

Select the model that needs to be recovered

Improper handling of laser engraving can cause eye and skin damage, fire or other serious consequences. Please read this section of the laser engraving instructions before you begin to ensure that it is used correctly.

To reduce the risk of electric shock or fire:

- Do not attempt to repair or modify the machine
- Do not try to disassemble the wiring of the machine
- Do not open the power supply or other sealed part
- If there is any emergency or malfunction, turn off and disconnect the power cord
- Use a properly grounded outlet

Smoke Safety Tips

When you laser engrave, visible or invisible aerosols (generally referred to as "fumes and gases") are produced. Fumes and gases are carbon monoxide or other chemical gases that are produced depending on the material being laser engraved. Usually the fan module of the print head can blow away some of the fumes and gases, but there will still be some unpleasant odors left behind when engraving.

- Please do not operate the laser engraving and leave it unattended, you need to stay in sight at all times
- It is normal for the laser beam to show a burned spot on the material. This spot should move continuously with the laser head and not remain burned in the same position for a long period of time. If this produces a flame, be sure to do the following:

1. Turn off the machine and disconnect the power cord
2. Use a fire extinguisher to put it out, while wet towels can also be used to put out small fires
3. If you cannot put out the fire or if the fire is burning outside the machine, call the emergency number (e.g. 911) immediately.

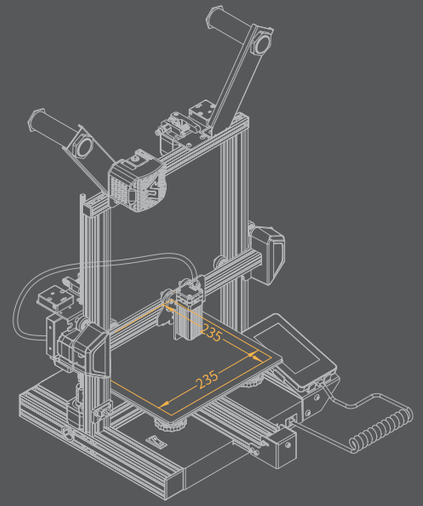
Materials must be suitable

If the material is not compatible with the use of laser engraving, it can also lead to an increased risk of injury and fire.

- The size of the material must be less than 250x250 mm and can be placed on the machine print platform for etching
- Please make sure that the laser head does not hit the material when moving, otherwise, when laser engraving is performed, there will be unnecessary machine damage and personal injury

Laser module operating range

Laser engraving maximum size 235x235mm

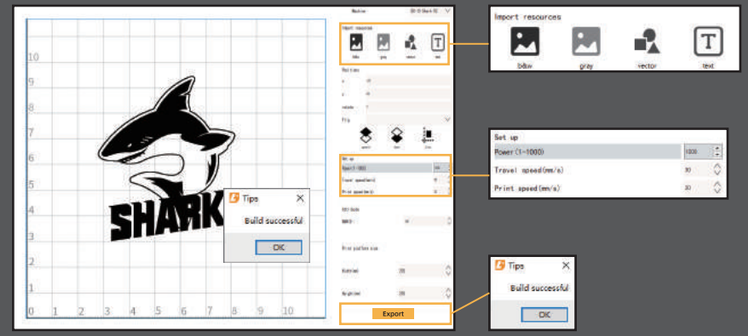


LOTMAXX
Useful features Laser engraving

Laser engraving slicing instructions

Laser slicing software can be obtained from the TF data card provided, or downloaded from our official website

Tip: Turn the mouse wheel to zoom in or out from the slicing platform; left mouse button to drag the picture position; left mouse button to click the picture slicing parameter settings; right mouse button to choose to delete the picture.

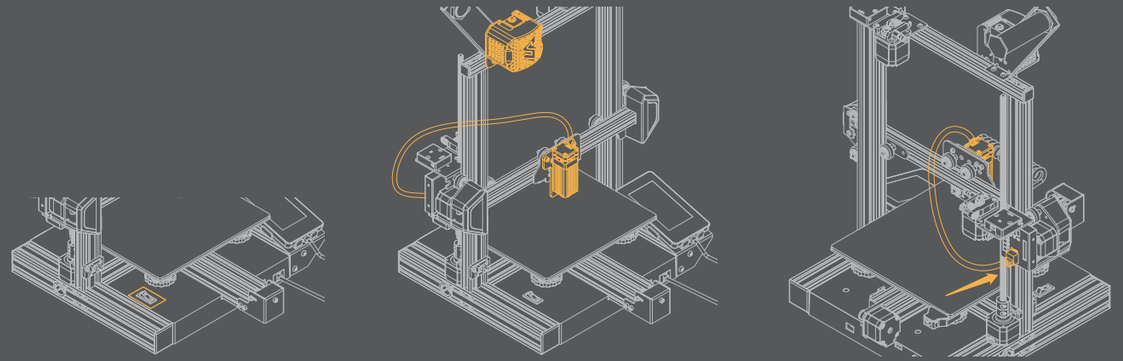


1. Import images or text to be engraved.

2. Adjust the picture or text size and position, and general parameter settings. You can use the default parameters or change them depending on the situation.

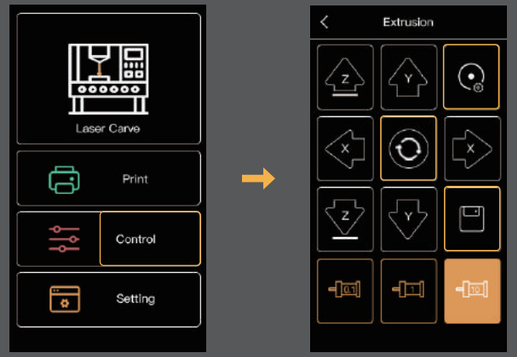
3. Export the file and click OK when the G-code generation success window pops up.

1. Please turn off the power before installation
2. Remove the nozzle kit and install it on the gantry beam
3. Attach the laser module to the X-axis carriage
4. Insert the laser module connection cable into the corresponding hole



To adjust the focus, please follow the steps below

- After clicking [Control], [Zero], move the Z-axis and Y-axis so that the laser head is on top of the board. Turn on the laser, move the Z-axis up and down to adjust the focal length, the intensity of the light can burn the black spot on the board (as shown below) (pay attention to the size of the light spot, the more focused, the faster the sintering.)
- After the adjustment is complete, turn off the laser and save the focus data. Return and start the laser engraving operation
- The saved data will always be used as a fixed focus for subsequent engravings unless this step is performed again



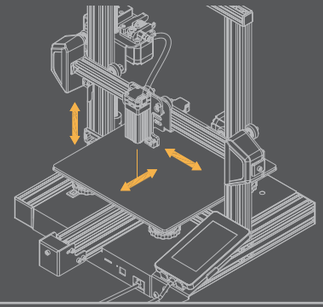
Caution

1.In the process of adjusting the laser focus and viewing laser engraving need to wear laser protective glasses to prevent damage to vision.

2.Children need to be supervised and assisted by adults when using laser engraving to prevent injury to children.

3.Do not touch the laser in the process of engraving.

4.Do not touch the laser with your fingers or skin to avoid burns.

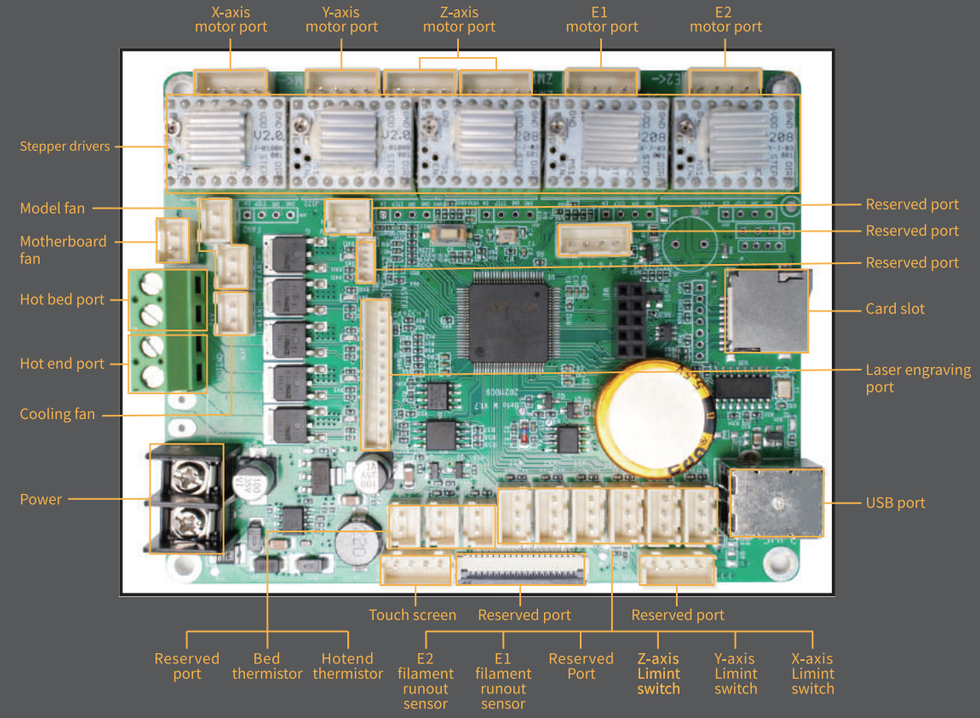




Please fix the material on the platform before laser engraving to ensure that the engraving effect will not be affected by material movement during the engraving process.

1. When laser modules are installed, the print interface is converted to the laser engraving interface after power on
2. Copy the generated .lgco file to a TF card and insert the card into the card slot of the machine
3. Click on the print icon, select the file to be laser engraved and click to confirm





1. We will provide 1-year warranty service for the machine , but the wear parts excluded. (Wear parts include nozzle module, dual-color nozzle module, build plate, belts, nozzle, pneumatic coupler, Teflon tube, thermistor, fans) Lotmaxx prepared some spare parts for your benefits in the toolkit. Auto leveling kit, Laser engraving kit enjoys 3 months warranty. Gifts, including TF card, card reader, wrenches, scraper, nippers have no warranty.

2. Only the original buyer is entitled for product warranty.

3. Lotmaxx reserves the right to refuse warranty service if the malfunction is caused by but not limited to modifications, misoperations, not using lotmaxx or lotmaxx designated software, using other manufacturers made parts or accessories, using those low quality consumable, put the machine in not suitable environment(too wet or too hot or too cold environment), bad maintenance, etc.

4. Lotmaxx offers lifetime technical support for all Lotmaxx machines, please contact us on working days via email, phone call, instagram,facebook,tiktok or our website etc. Working hours: Monday- Friday 9:00 am- 5:30 pm, Beijing Time, GMT +8. We will get back to you as soon as possible if you contacted us off the working hours.

5. Most of the tutorials, instructions, firmware and software will be also available on TF card, official website, and Lotmaxx Youtube channel.

6. When asking for product warranty, please let us know your order number, machine S/N number, sales channel, shipping address and most importantly, a few pictures and video clips what you think might be helpful for troubleshooting.

After-sales service registration card

Printer: _____
S/N : _____

Date of purchase : _____
Place of purchase: _____

Problem description

_____
_____
_____
_____
_____
_____
_____

Phone number: _____
Contact : _____
Postal address: _____