

Customer Support

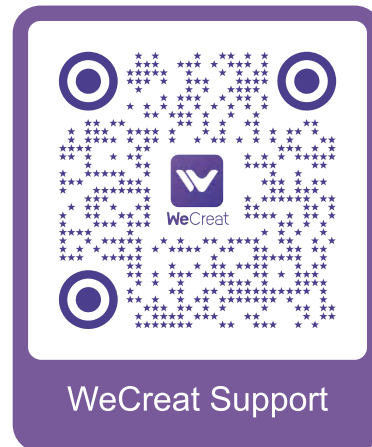
Please visit the WeCreat Support Center for more setup, maintenance and application tutorials and questions.

<https://support.wecreat.com>

If you need more support, please try one of the following two options. We will get in touch with you as soon as possible.

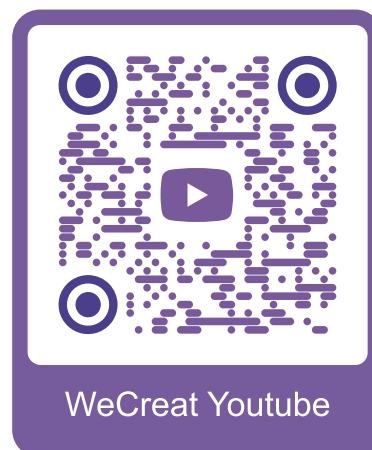
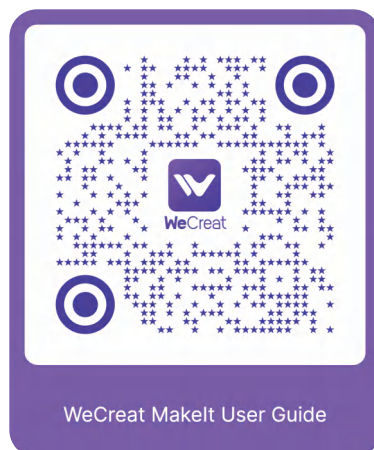
1. Submit a support ticket at <https://support.wecreat.com>.
2. Directly send us an email: support@wecreat.com

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WeCreat Makeit! User Guide

Video Quick Start Guide



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WeCreat Lumos Ultra

USER MANUAL



Please review the entire guide before operating the device

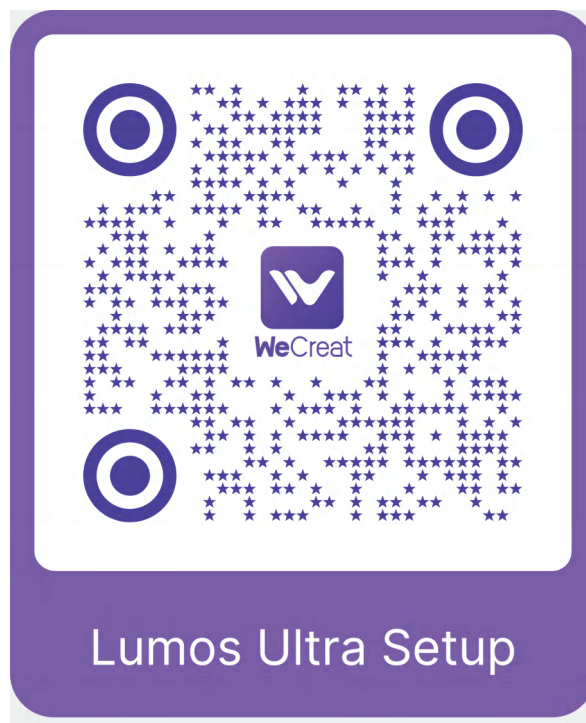
Safety Notice: Do not connect to the power supply until installation is complete.

www.wecreat.com

Welcome

Thank you for choosing WeCreat Lumos Ultra. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us at support@wecreat.com. Or visit <https://wecreat.com/pages/contact-us> and submit a request.

Please scan the QR code to watch the installation tutorials



Let's Create with WeCreat!
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Declaration

The User's Manual (hereinafter referred to as the "Manual") is intended to provide detailed instructions for installing and operating the WeCreat Lumos Ultra. Through this manual, users will understand how to operate the laser safely and effectively to ensure optimal use.

Users must install and use according to the guidance of this Manual. WeCreat does not assume responsibility for any damage or malfunction caused by not following the Manual's guidelines. WeCreat is not responsible for any loss caused by unauthorized repair, modification, or improper use.

The compilation of this Manual aims to provide users with clear and accurate installation and usage guidance to promote the correct use of the laser machine, ensuring user safety and effective operation of the device.

WeCreat is committed to continuously optimizing products and improving services. For any questions about the content of this Manual or any issues encountered during the use of the laser, please feel free to contact us for feedback: support@wecreat.com

The copyright of this Manual belongs to WeCreat. This Manual and the information, diagrams, and logos contained herein are protected by copyright law. Without WeCreat's explicit written authorization, no unit or individual may copy, reprint, excerpt, or utilize this Manual in any other form.

WeCreat reserves the right to update this declaration and the content of the Manual at any time without further notice. If there are changes, please refer to the latest information published by WeCreat.

Laser Safety

Review and familiarize with all safety rules and steps before use; comply strictly and confirm the machine is correctly assembled and in proper working order

Please follow the operating principles:

1. Prior to each use, inspect the machine for any damage. Do not operate the machine if any damage or defects are detected.
2. Ensure that the workspace is clean and level.
3. Unauthorized disassembly or alteration of the machine's structure is strictly prohibited. Do not modify or decompile its operating system.
4. Maintain cleanliness inside the machine. Residues and debris accumulated during cutting and engraving can be hazardous and may cause a fire. Regularly remove chip-pings and residues.
5. The machine operates normally between 0°C and 35°C. Do not run it when the temperature is below 0°C.



Warning: Do not leave the device unattended when in operation.



Turn OFF device before plugging/unplugging.



If the machine operates with setting errors and is left unattended for an extended period of time, or if a mechanical or electrical fault occurs, it may lead to a fire.



Keep explosive and flammable materials away from the device. Do not stack materials (such as paper) around the machine. They may cause the spread of flames and increase the risk of material ignition.



Avoid eye or skin exposure to direct or scattered radiation, visible and invisible laser radiation.

Electrical safety

1. Never open any access panels while the device is connected to a power supply. Accidental contact with electrical components could result in personal injury.
2. No touching of electronic areas with hands or other tools when the machine is powered on.

Laser Safety

Warning and instruction signs

WeCreat Lumos Ultra is marked with warning and instruction labels in locations where physical injury or product damage may occur prior to or during operation. Should any label become damaged or lost, replace it immediately. The template provided below can be used to print the labels you require.



Caution! Use of controls or adjustments or performance of procedures other than those specified herein may result hazardous radiation exposure.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Laser Safety

EU Declaration of Conformity

Hereby, WeCreat Tech Limited declares that the radio equipment type this product is in compliance with Directive 2014/53/EU and Machinery Directive 2006/42/EC. The full text of the EU Declaration of Conformity is available at the following internet address:

<https://support.wecreat.com/hc/en-us/articles/8677731019151-Declaration-of-Conformity>

RF exposure statement

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of $d=20$ cm between the device and the human body. To maintain compliance with RF exposure requirements, use product that maintain a 20cm distance between the device and the human body.

This device may be used in each member state.

Wireless Specifications

Bluetooth

2.4GHz Wi-Fi

Wireless Technology: BLE 5.0
Operating Frequency: 2402-2480MHz
Transmit Output Power: $\leq 5\text{dBm}$

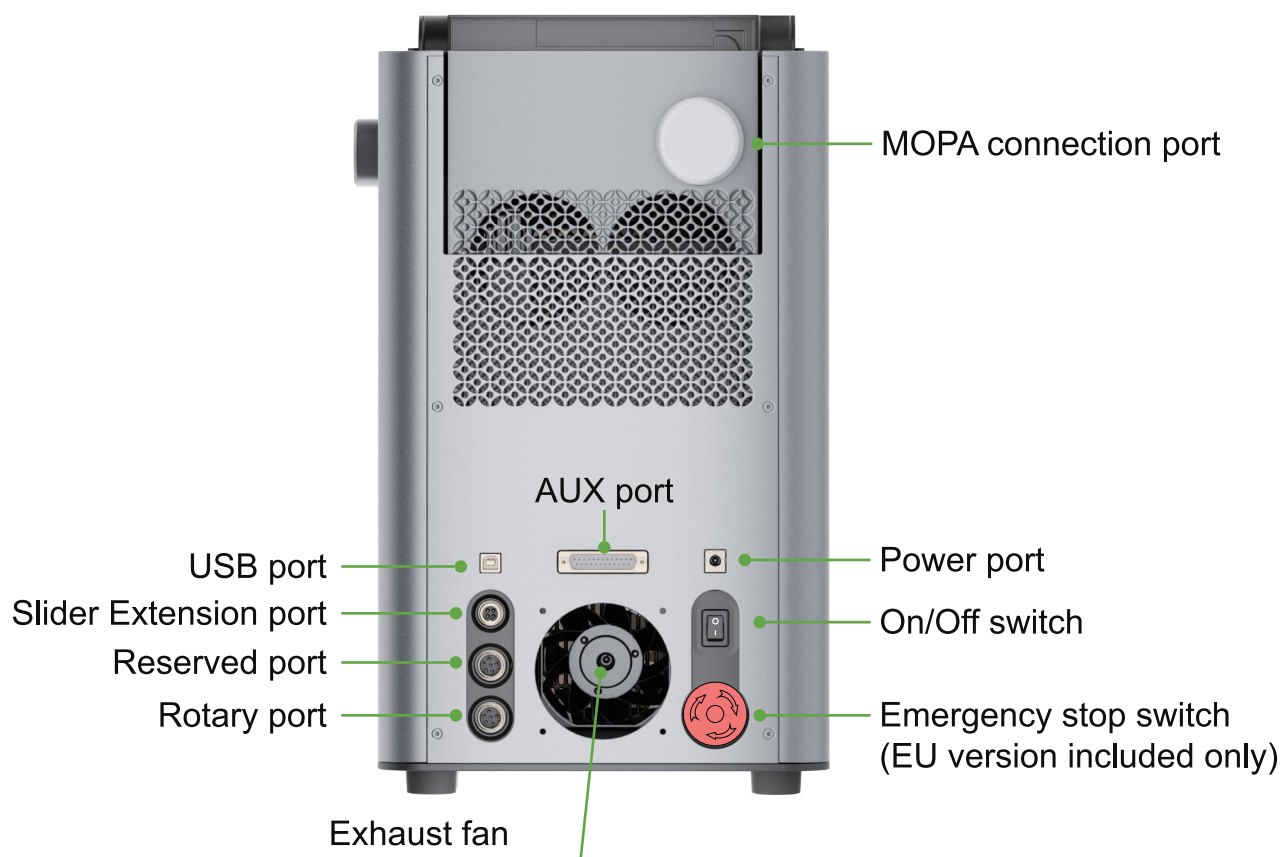
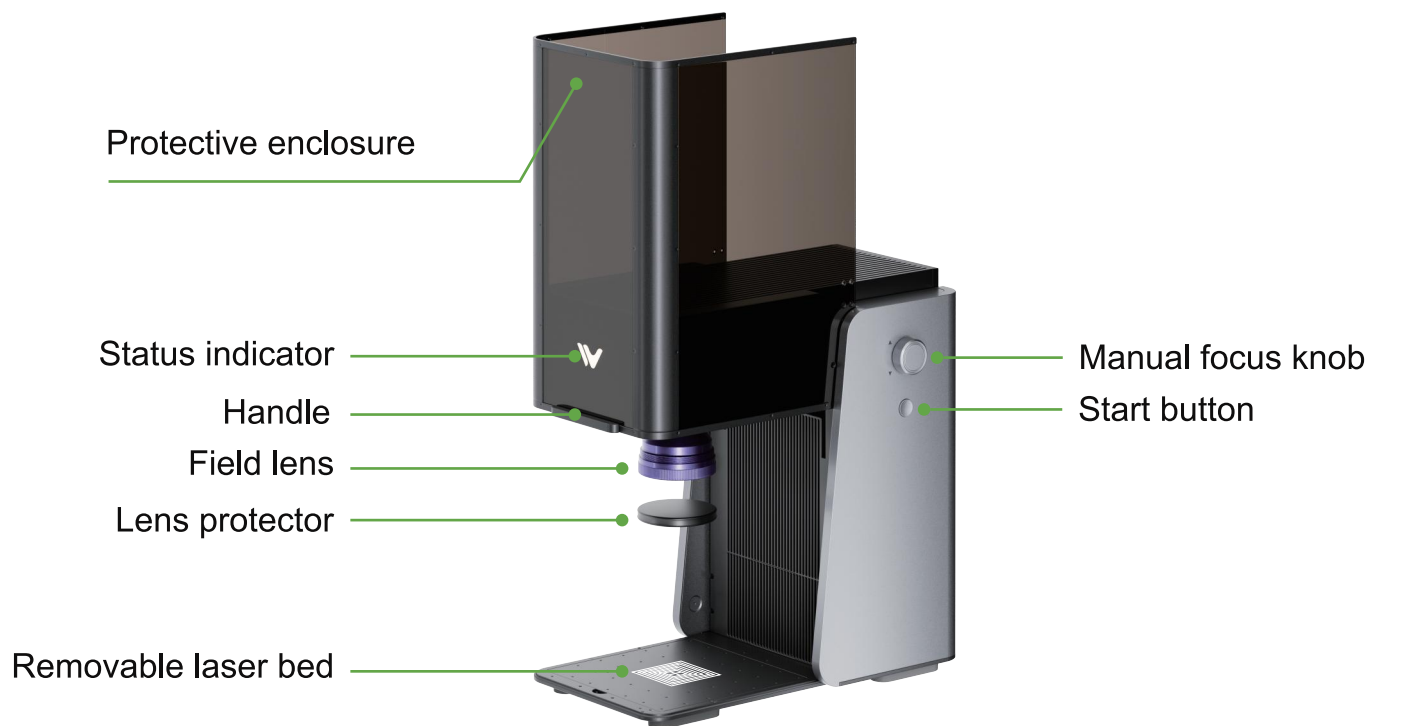
Wireless Connectivity: IEEE 802.11b/g/n, up to 40MHz
Operating Frequency: 2412-2452MHz
Transmit Output Power: $\leq 15\text{dBm}$

Main Specifications

Product name	WeCreat Lumos Ultra	Working laser	6W UV laser
Size (W × D × H)	450*270*442.8mm	Working laser wavelength	355 nm
Voltage	100-240V DC24V 10A	Internal working area	210mm x 210mm
Connection mode	WiFi, USB, IP, Bluetooth	Maximum processing speed	16,000mm/s

The single-laser WeCreat Lumos Ultra includes only a 6W UV working laser. The 60W/100W MOPA module is not included and required to purchase separately.

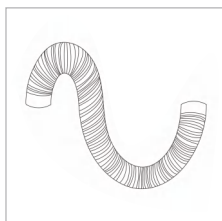
Meet WeCreat Lumos Ultra



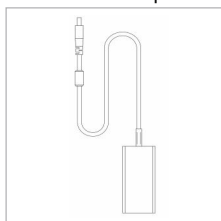
What's In the Box

WeCreat Lumos Ultra (a purple field lens equipped by default)

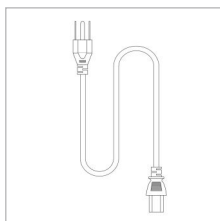
Exhaust Hose



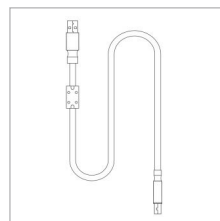
Power adapter



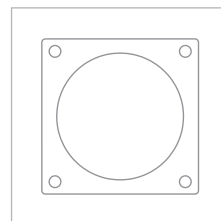
Power cord



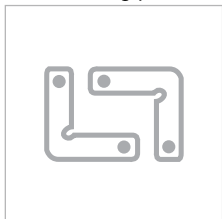
USB cable



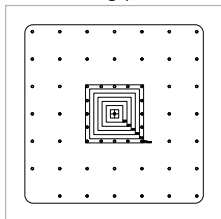
Hose connector



Positioning piece*2



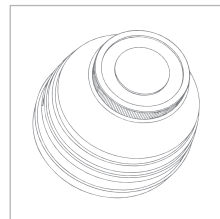
Working panel



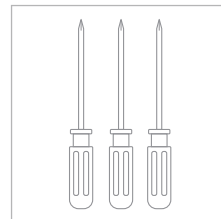
User manual



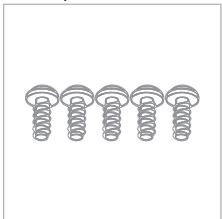
Green field lens



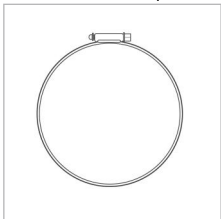
Screwdriver*3



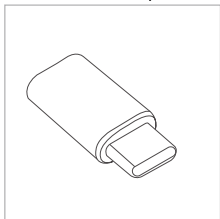
Spare screws



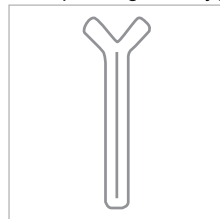
Hose clamp



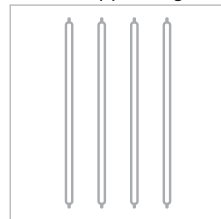
USB-C adapter



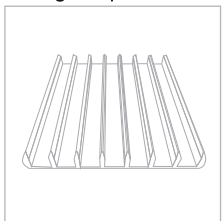
Y-shaped alignment jig



Panel support leg*4

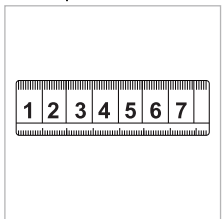


Triangular prism working panel

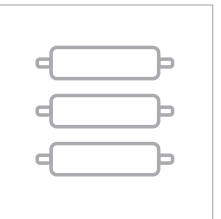


Rotary Attachment (This item is not included in the Basic Pack. It is included in the Rotary Pack or can be purchased separately)

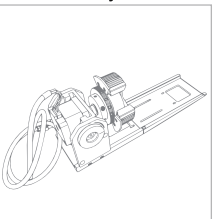
Tape measure



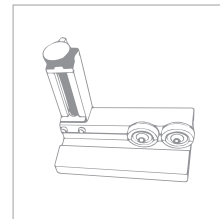
Silicone stud*3



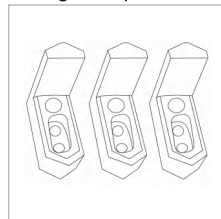
Rotary set



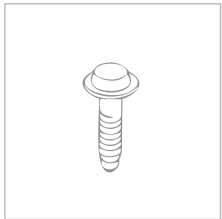
Holder



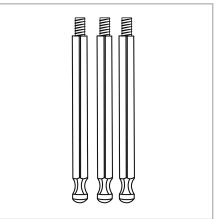
Single-step claw*3



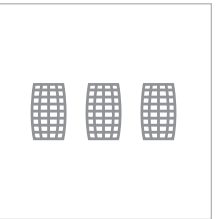
Spare screws



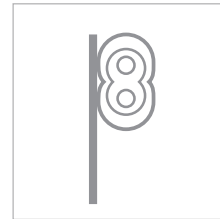
Threaded stud*3



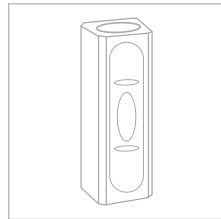
Silicone grip*3



Universal wheel holder



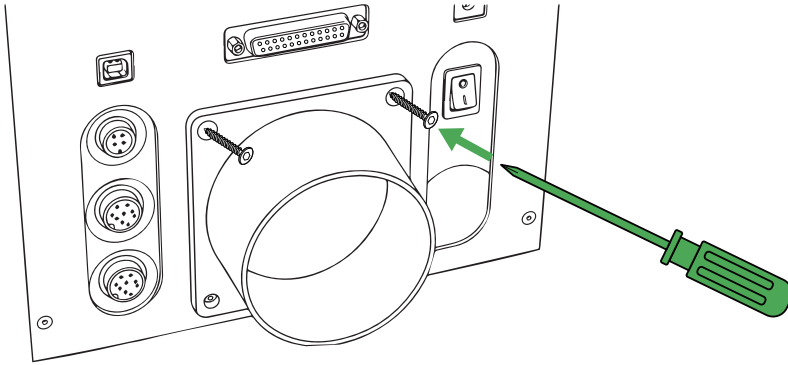
Level



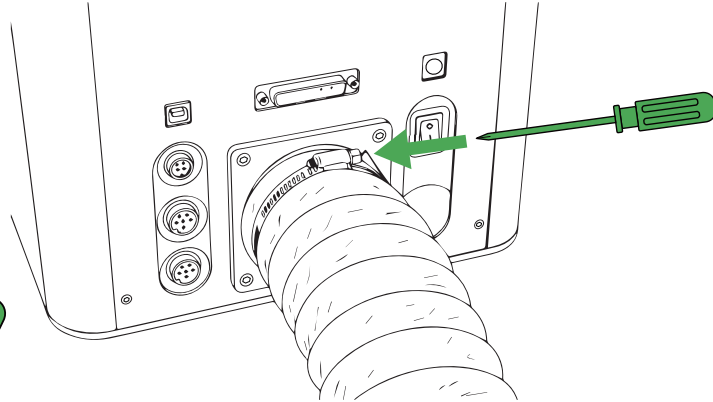
Using WeCreat Lumos Ultra

Preparations

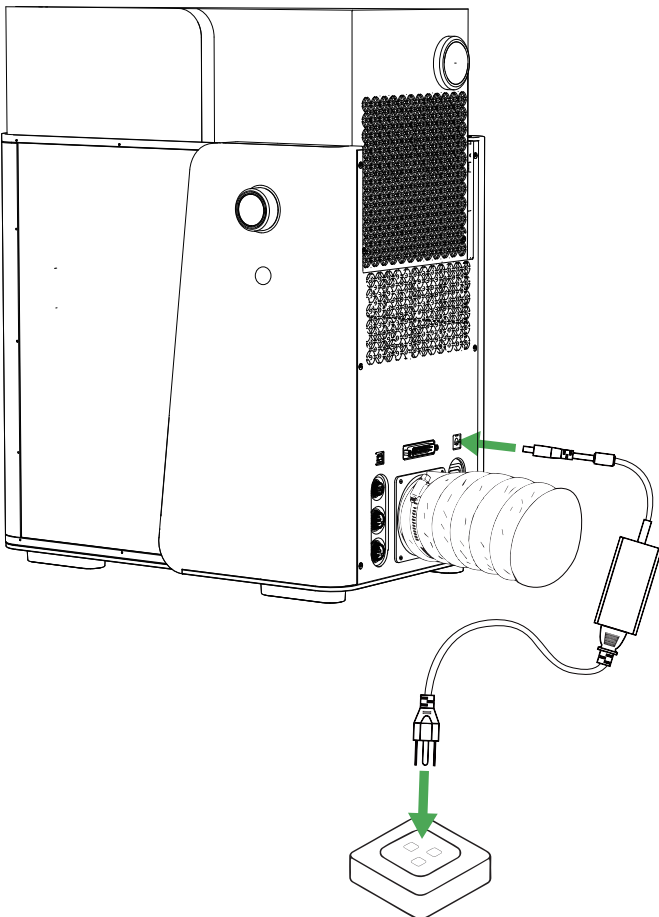
1. Install the hose connector and secure with screws.



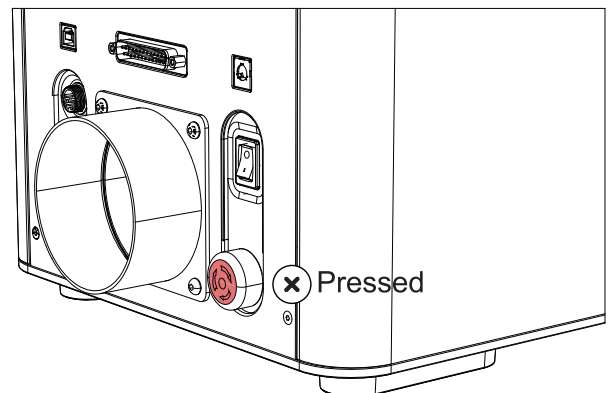
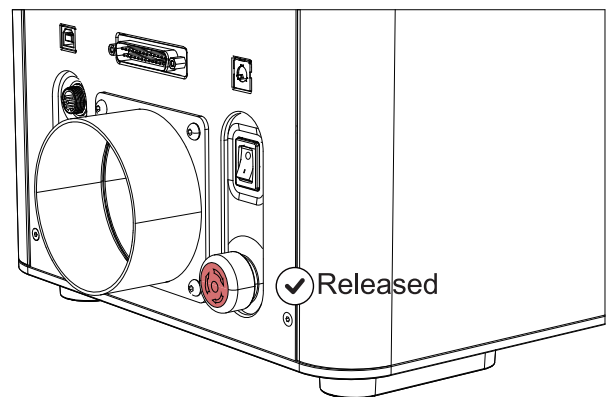
2. Attach the exhaust hose and tighten with clamp.



3. Connect to a power supply.

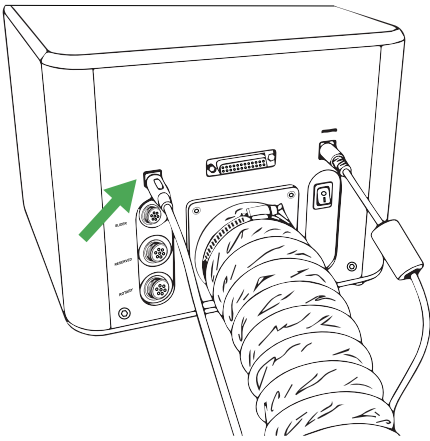


4. Ensure that the emergency stop switch is not pressed. (For Lumos Ultra EU version only)

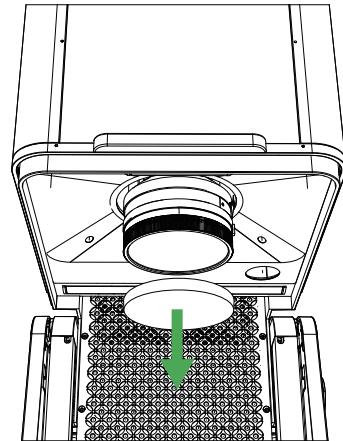


Using WeCreat Lumos Ultra

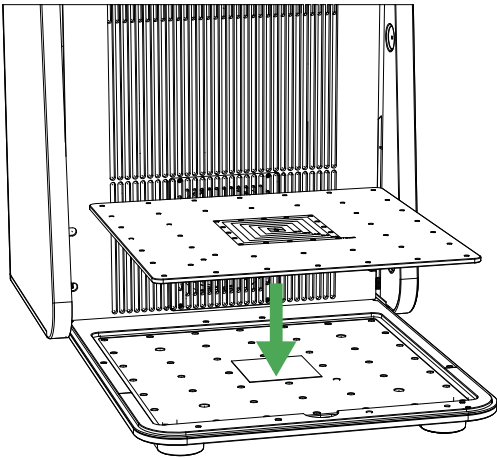
5. Insert the USB cable.



6. Remove the protective lens protector.



7. Place the working panel.



Important Notes

- After powering on the machine, allow it to preheat for one minute before operation.
- Replace the field lens according to the requirements of the processing material and mode.

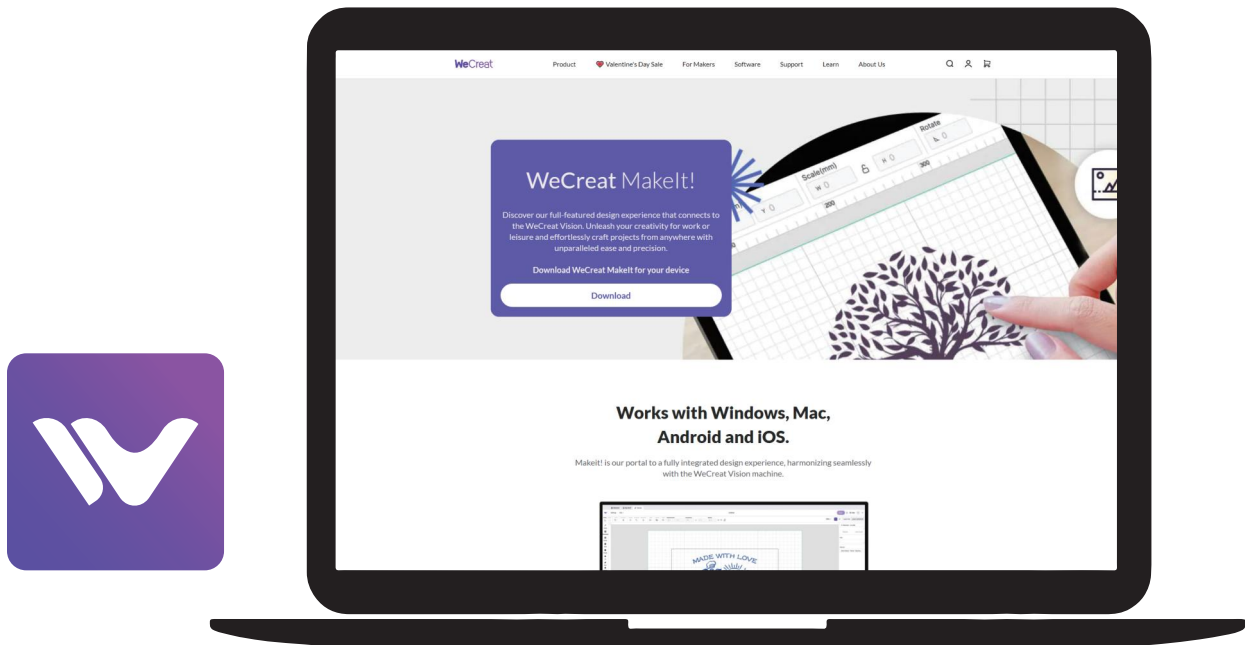
Field Lens Application Guide

Field Lens	Engraving	Cutting
Purple Field Lens	Glass (surface), Acrylic, Wood, Metal, Leather, Plastic, Rubber, Silicone, Ceramic, Slate, etc.	Glass, Plastics (PE, PP, EVA, PET, etc.), Fabric, Leather, Acrylic (non-transparent), Paper, Wood, etc.
Green Field Lens	Glass, Crystal (inner engraving)	—

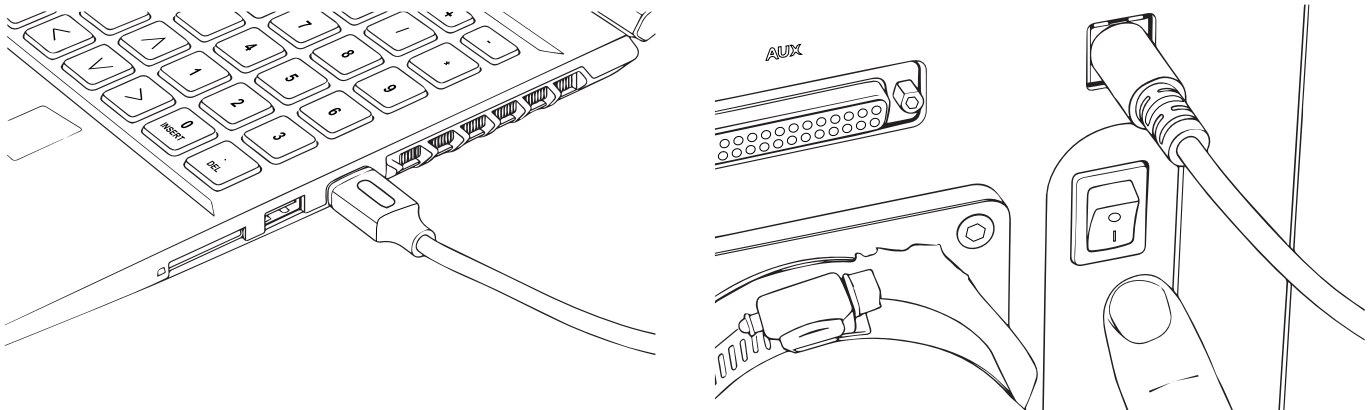
Using WeCreat Lumos Ultra

Using software to operate WeCreat Lumos Ultra

1. Visit <https://wecreat.com/pages/software> to download and install WeCreat Makelt! software.



2. Insert the USB cable into a USB port on a PC, Turn on Lumos Ultra and connect it to the Makelt software.

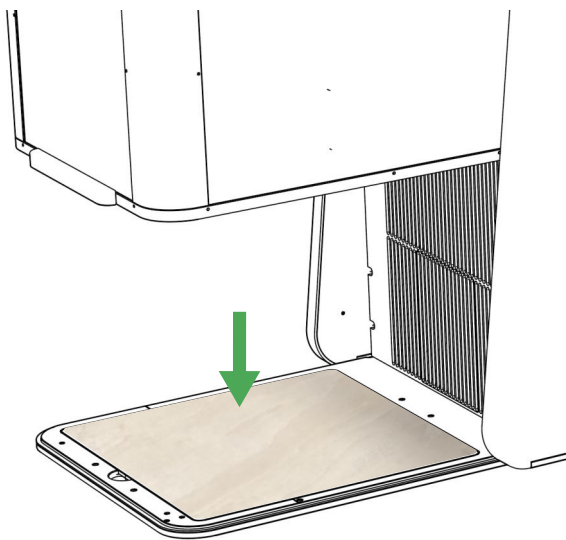


You can begin creating once you have connected the Lumos Ultra to the WeCreat Makelt software. Visit support.wecreat.com for details on how to use Makelt to operate the Lumos Ultra for material processing.

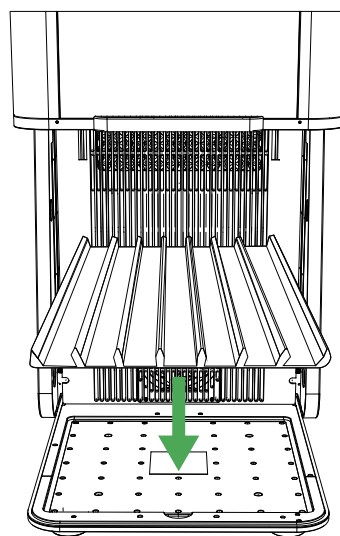
Using WeCreat Lumos Ultra

Multiple application scenarios

Processing small-size materials



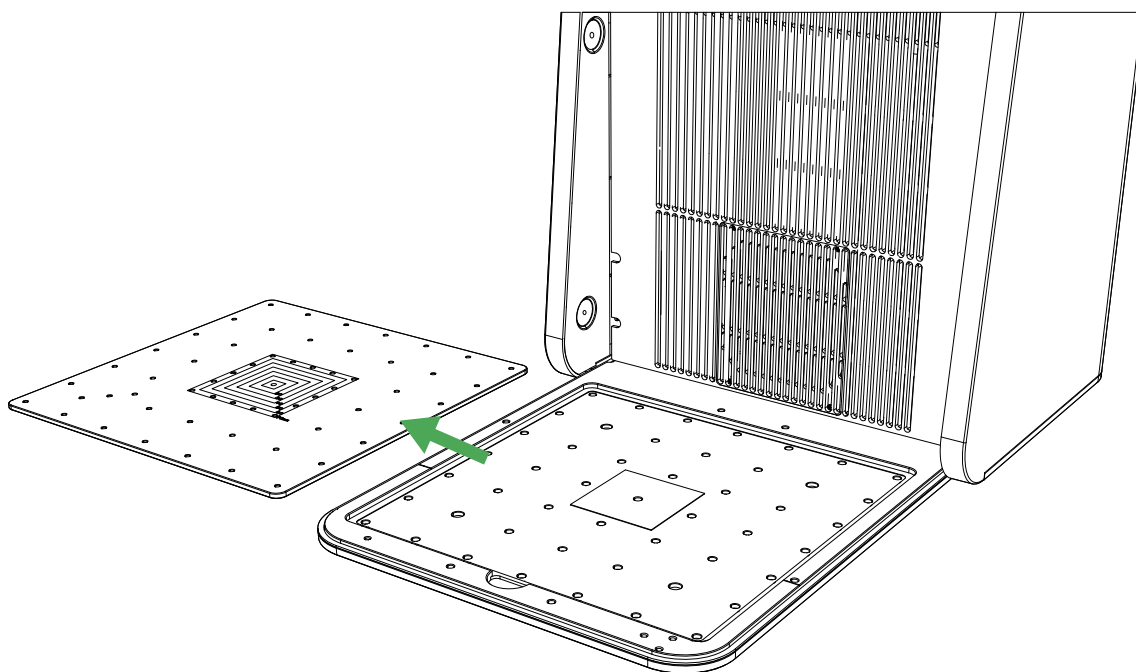
Place a wooden board on the working panel.



When cutting materials, it is recommended that you use the triangular prism working panel. This reduces the area burned during processing and protects the baseplate.

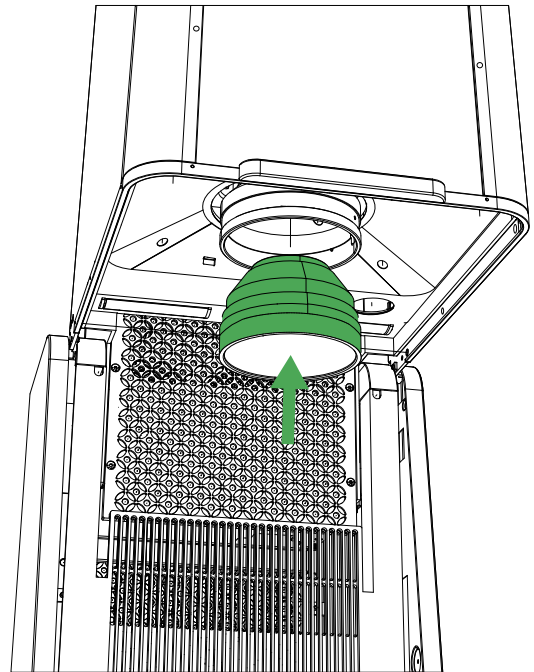
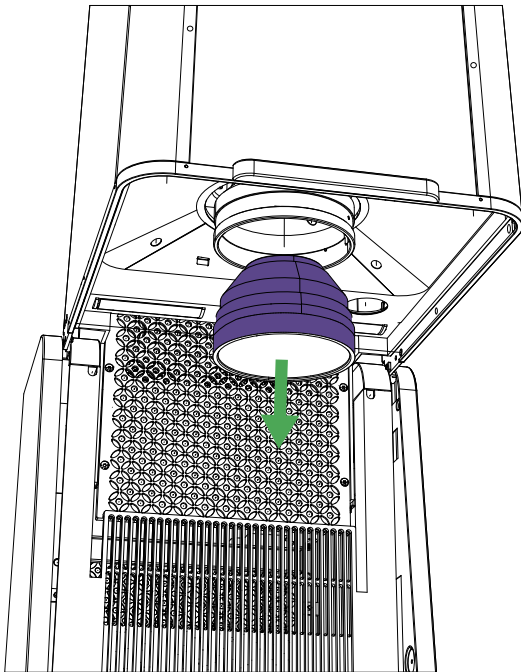
Processing crystal with Lumos Ultra

1. Remove the working panel.

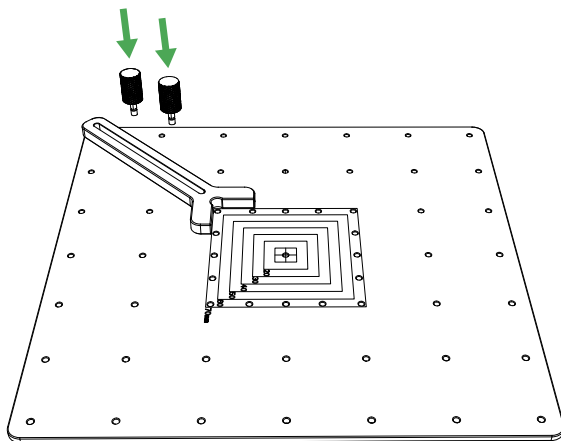


Using WeCreat Lumos Ultra

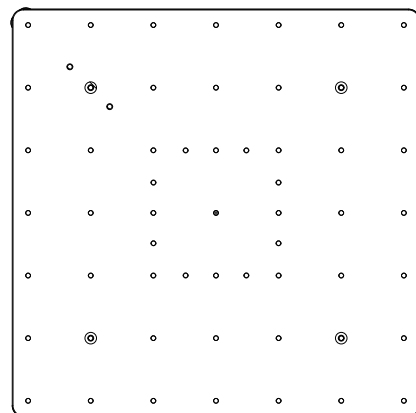
5. Remove the purple field lens (original) and install the green field lens.



3. Install the Y-shaped right-angle alignment jig and secure with screws (Note: Do not fully tighten the screws at this stage to allow for later crystal alignment.)

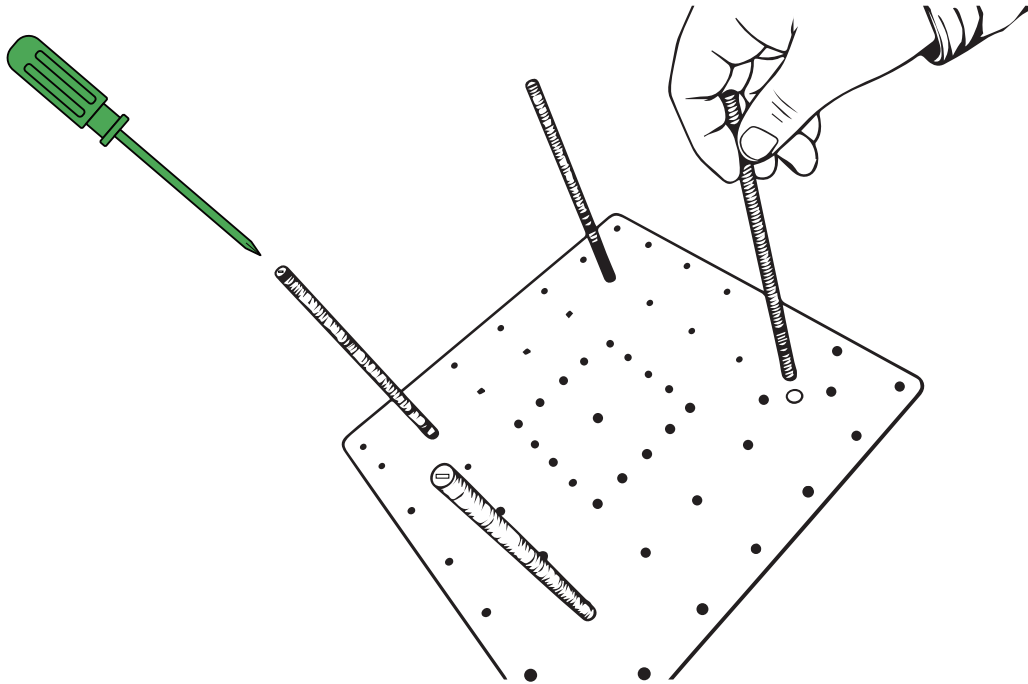


4. Turn the working panel over.



Using WeCreat Lumos Ultra

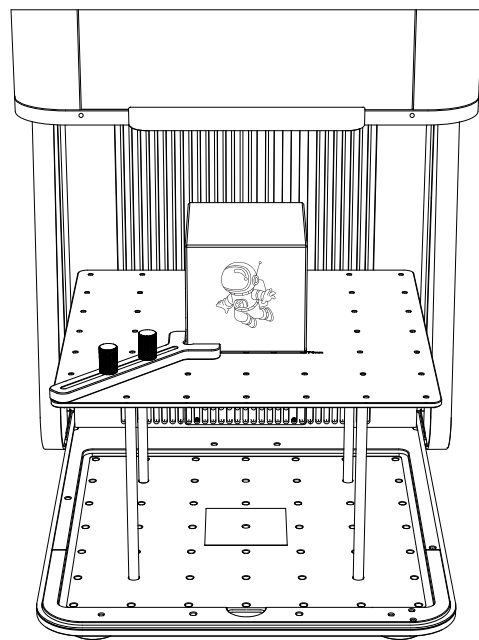
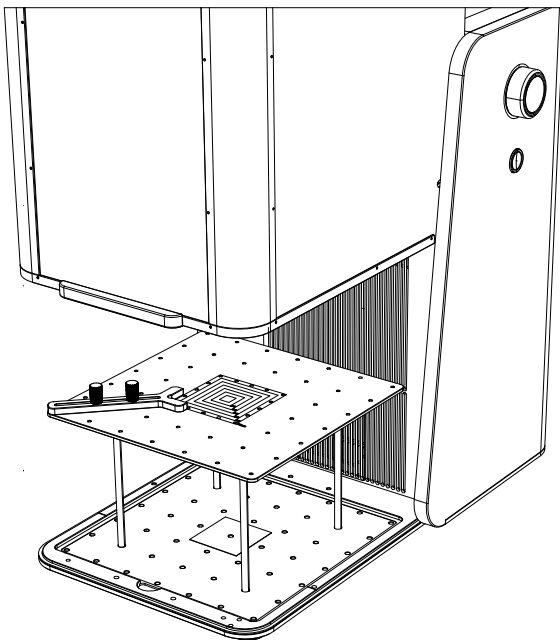
5. Align the screw holes and screw the panel support legs into the holes.



Note: You may use a screwdriver to tighten them further. If the support legs are not securely tightened, the platform may wobble.

6. Insert the other ends of the support legs into the four holes on the bottom panel.

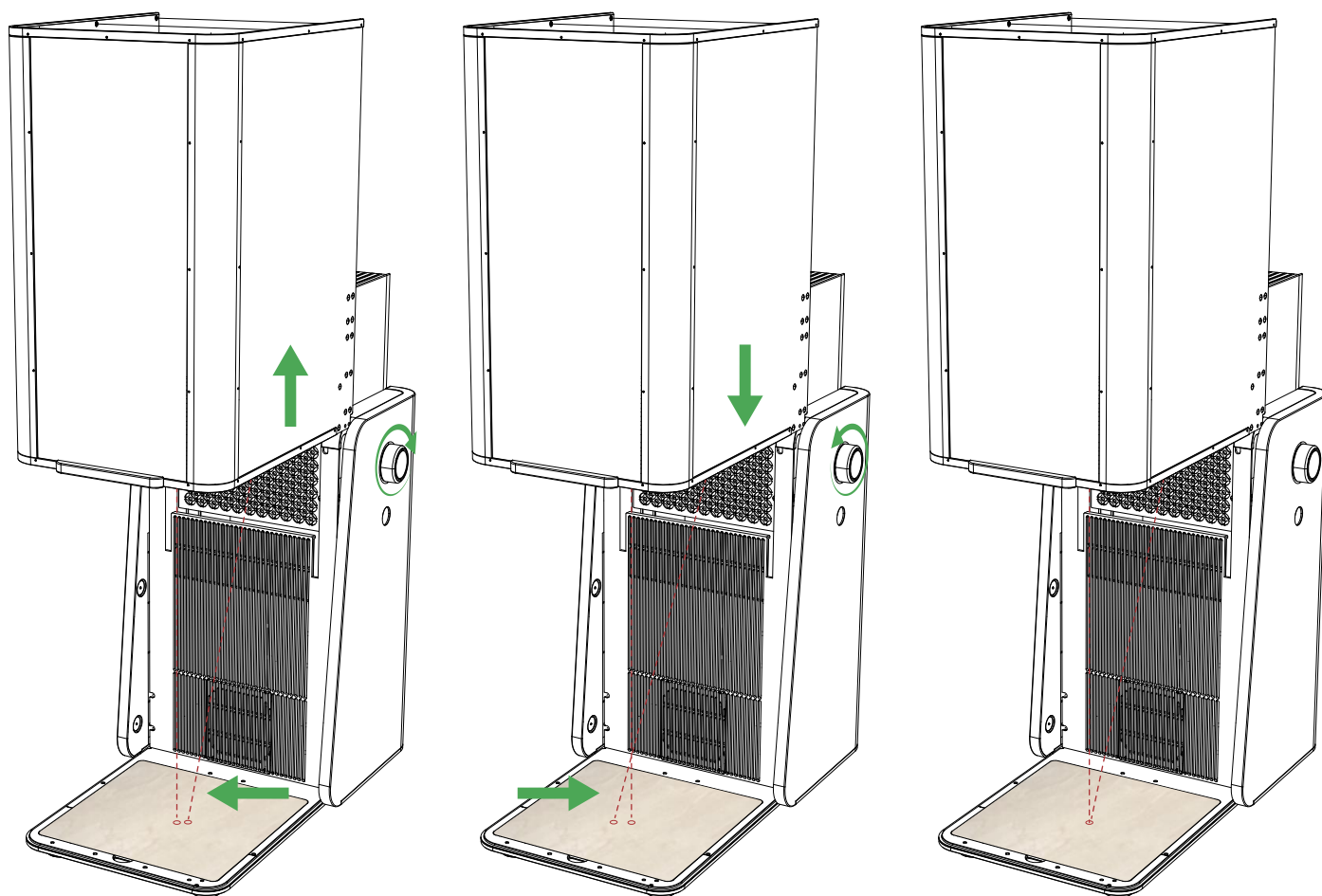
7. Place the crystal in the center of the panel and secure it with the alignment jig.



Using WeCreat Lumos Ultra

Manual focus setting

Turn the knob to move the laser module up and down. The focus is successfully set when two red light spots overlap.

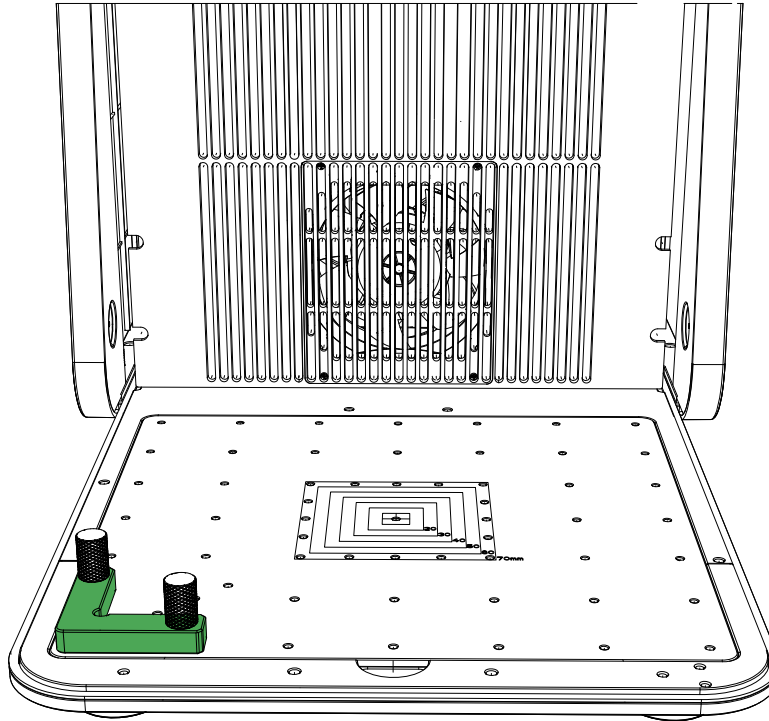


Note: Stop turning the knob up or down when the bottom of the laser module reaches the highest or lowest point.

Using WeCreat Lumos Ultra

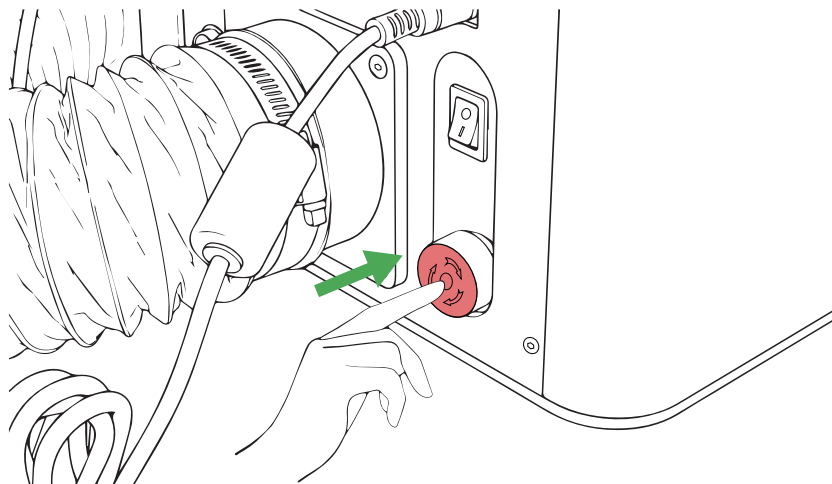
Batch processing

The L-shaped positioning piece assists you in placing materials in the same exact position every time during batch processing.



Emergency Stop (EU Version)

If an error or machine fault occurs during material processing, you can press the emergency stop switch to power off the machine and stop the processing.

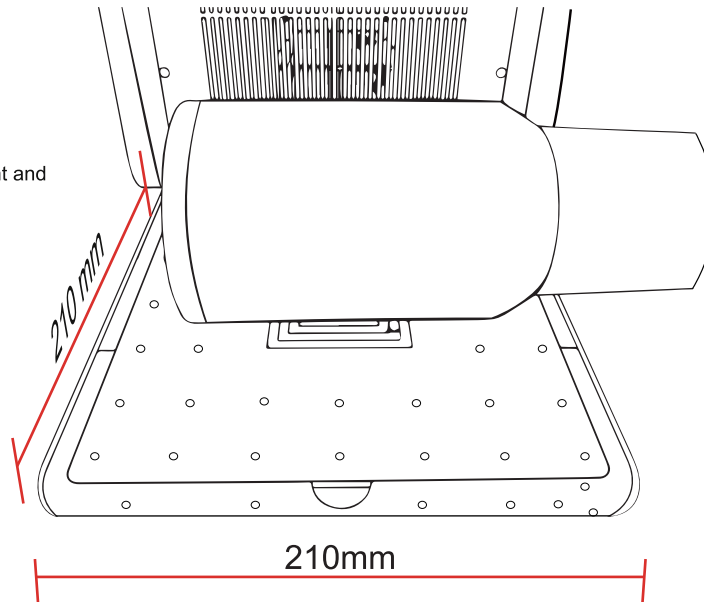


To resume operation, turn the emergency stop switch to reset it.

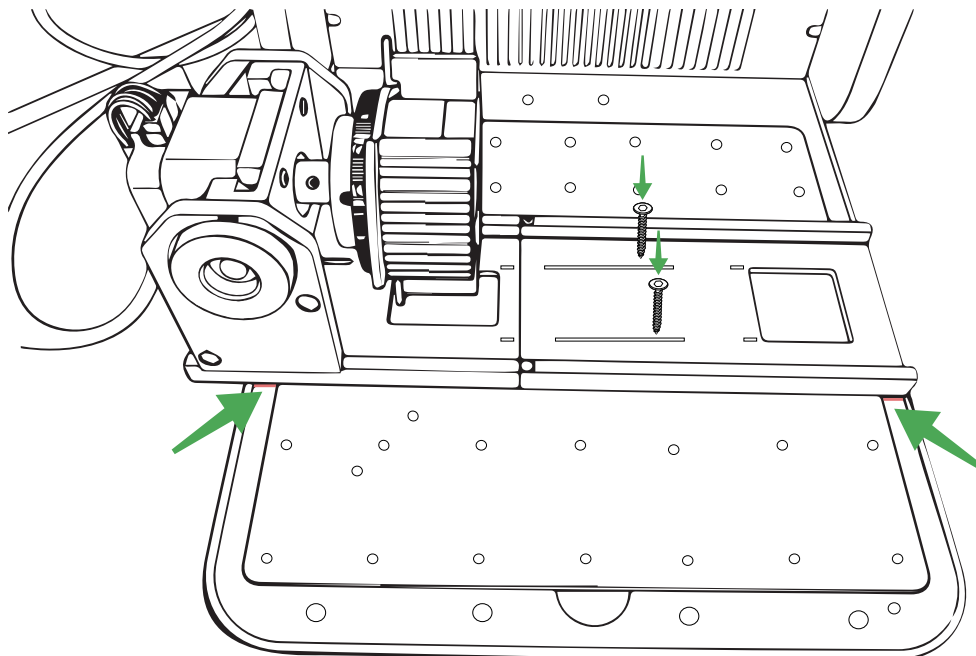
Using Rotary Attachment

1. Place a tumbler on the working panel.
2. Confirm that the engraving area on the tumbler is within the working area of Lumos Ultra (210 mm x 210 mm).

★ For full-wrap engraving on a 40oz Stanley tumbler, the Rotary Attachment and Slider Extension are required.

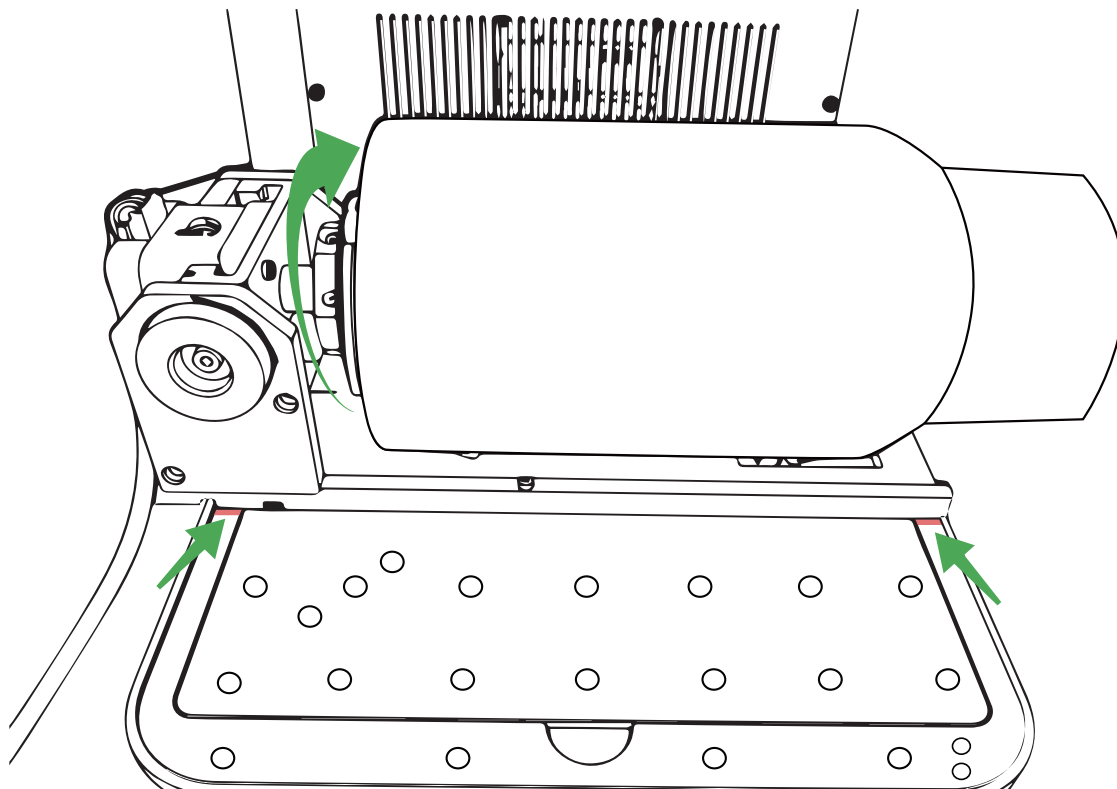


3. Position the rotary attachment according to the current tumbler position, ensuring that its edge is aligned with the white guide lines on both sides.
4. Secure the rotary attachment with screws.

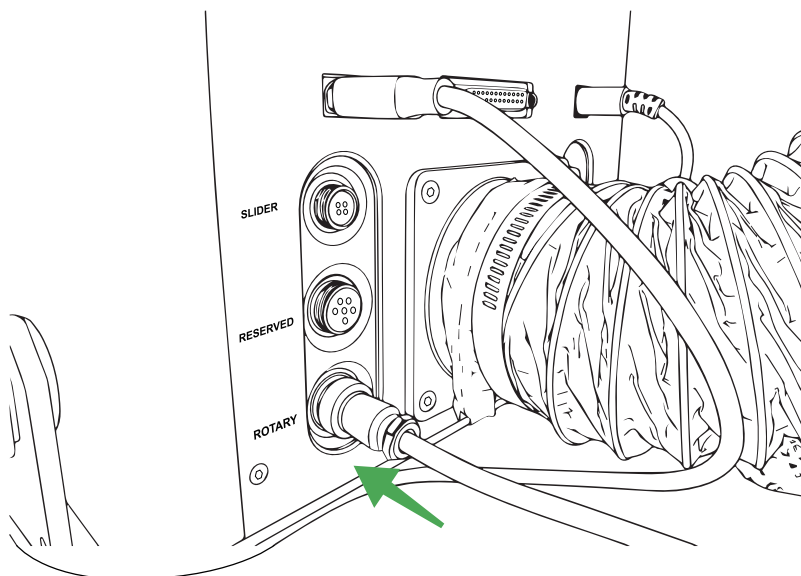


Using Rotary Attachment

5. Adjust the jaws to securely hold the tumbler.



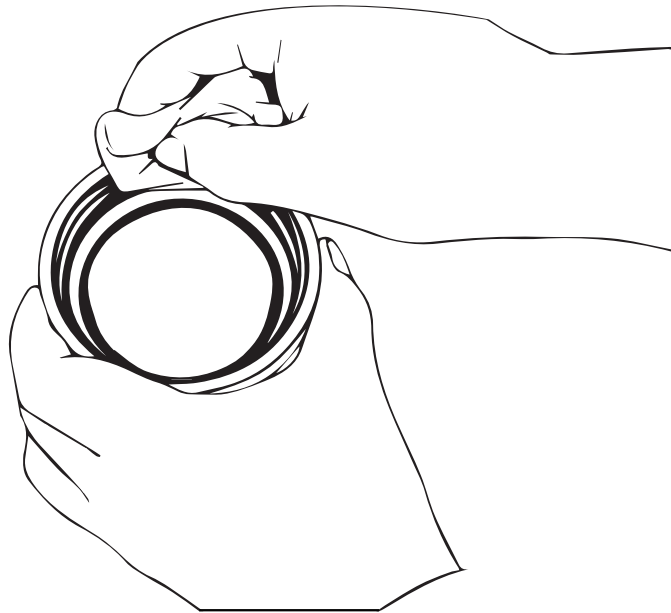
6. Connect the rotary cable to the Rotary Port on the rear of the Lumos Ultra.



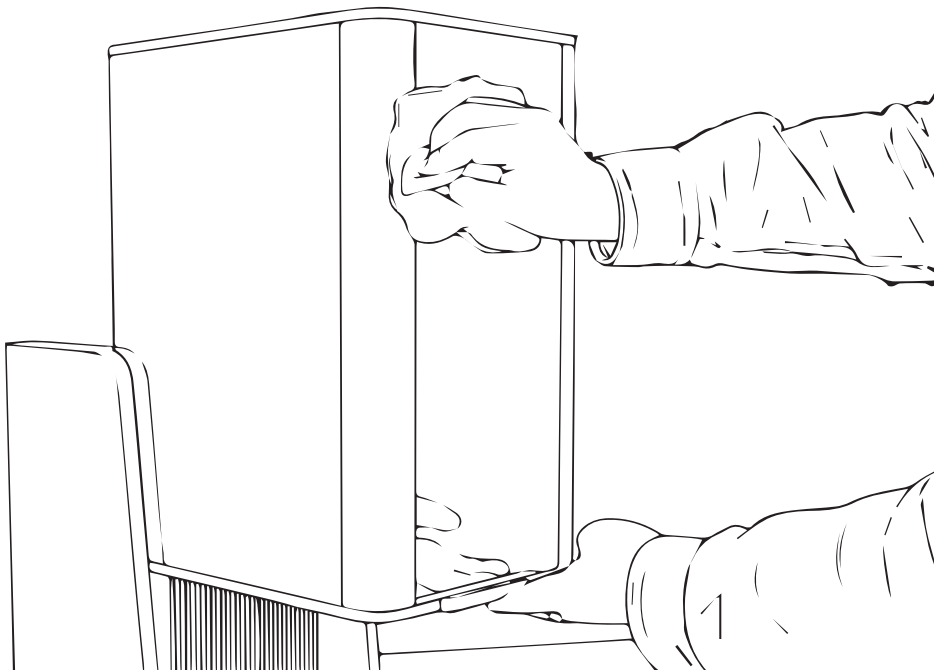
Note: Do not plug in the rotary cable while the machine is powered on, as this may damage the rotary motor.

Maintenance

1. If the laser output appears weakened (e.g., shallow engraving results or difficulty cutting materials), the field lens may be dirty. Gently clean it with a lint-free cloth moistened with Isopropyl Alcohol (IPA) with a concentration of 90% or higher.

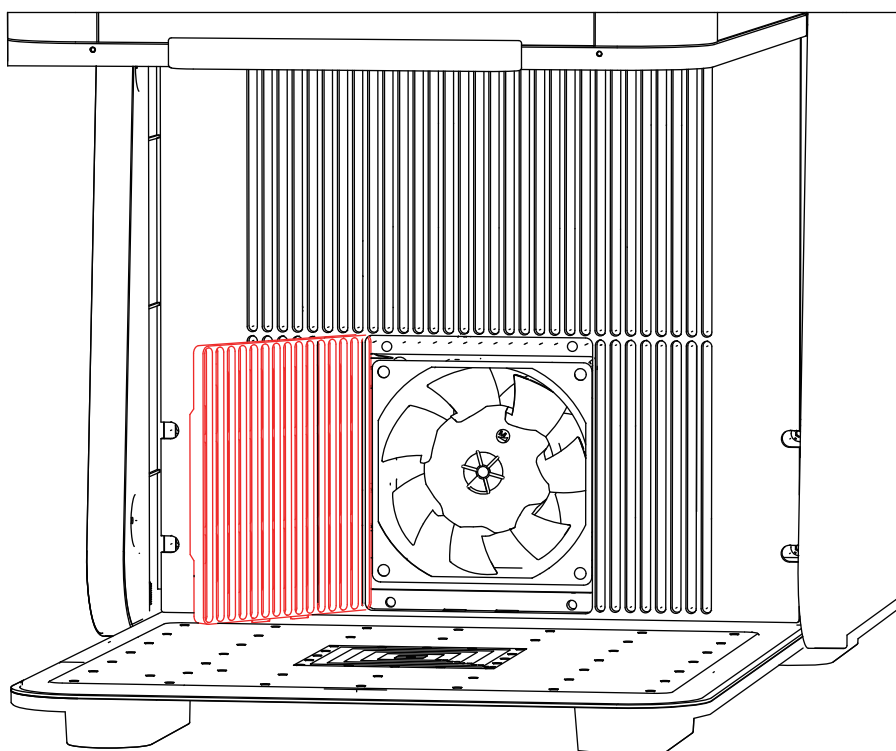
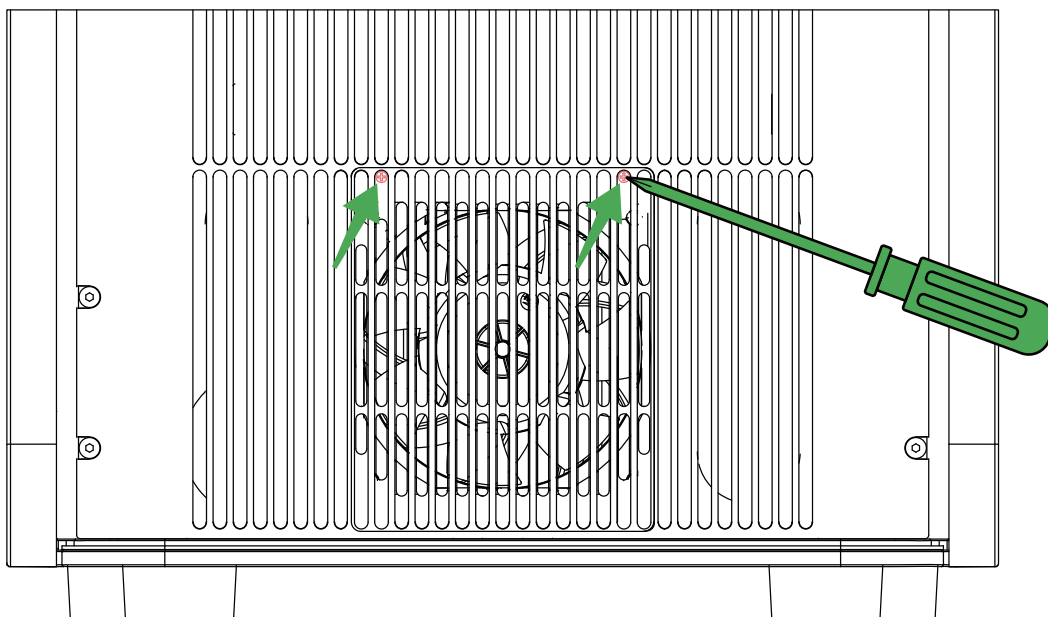


2. If dust buildup is observed on interior surfaces or viewing windows, clean them using a lint-free cloth lightly moistened with alcohol.



Maintenance

3. If smoke extraction becomes less effective or abnormal noise is noticed during operation, dust or debris may have accumulated on the rear exhaust fan. Clean the rear exhaust fan to restore proper airflow.



Note: Before cleaning, turn off the power. Use a screwdriver to remove the two screws on the front panel. After opening the panel, clean the exhaust fan.

Appendix

After-Sales Services

On a mission to make laser engraving easier to everyone, WeCreat group is here to help.

For after-sales services, WeCreat can be reached via

Telephone: +1 425-939-3933 9:00 am - 6:00 pm EST 10:00am - 7:00 pm EDT

Email: support@wecreat.com

Website: www.wecreat.com

Warranty

Within the initial one-year warranty period, we offer comprehensive technical support for any issues you may encounter.

Please click on the link below for more details. This limited manufacture's warranty does not affect any statutory warranty provided by law.

<https://wecreat.com/pages/warranty-policy>

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