

Simplified Manual

Basic Specifications

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Operating Teperature	5°C~35°C
Storage Temperature	-20°C~60°C
Product Weight	31kg
Product Dimensions	903 x 787 x 213.5 mm
Power Consumption	350W

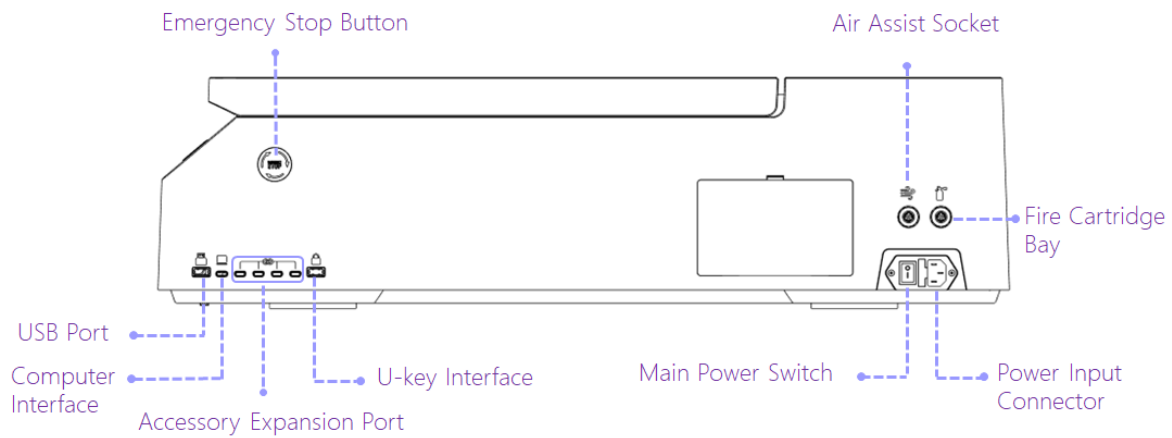
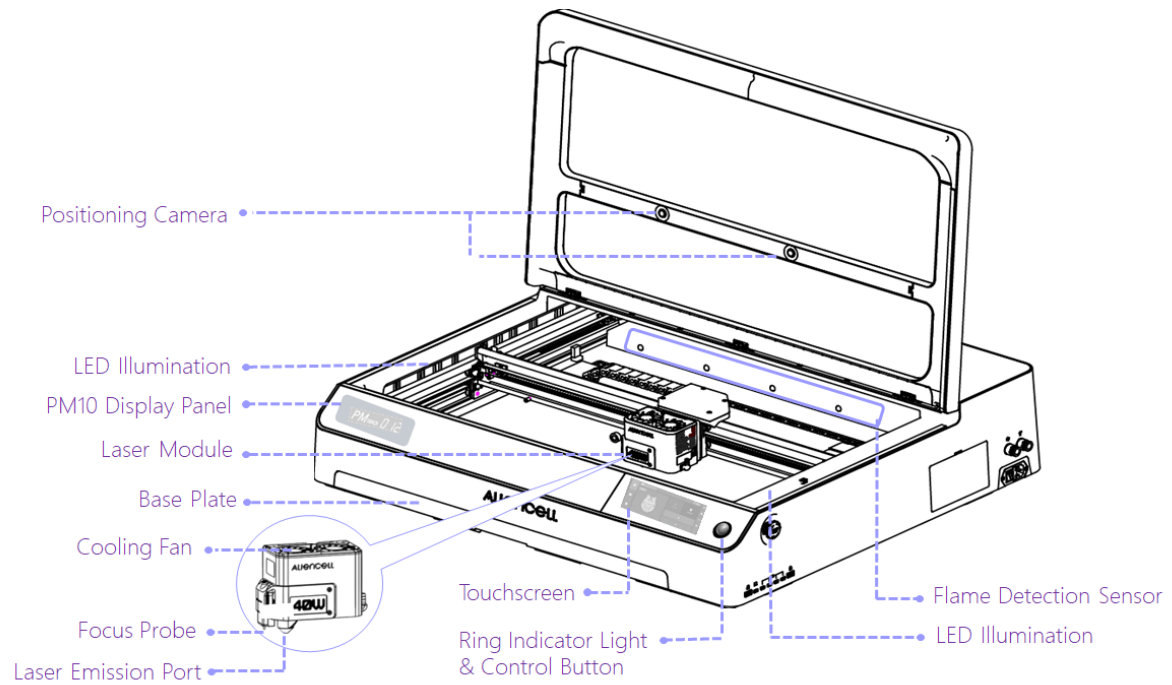
Laser Specifications	
Laser Safety Class	Class 1 Laser
Laser Power	20W/40W/60W
Spot Size	20W : 0.08 x 0.06 mm 40W : 0.08 x 0.10 mm 60W : 0.08 x 0.16 mm

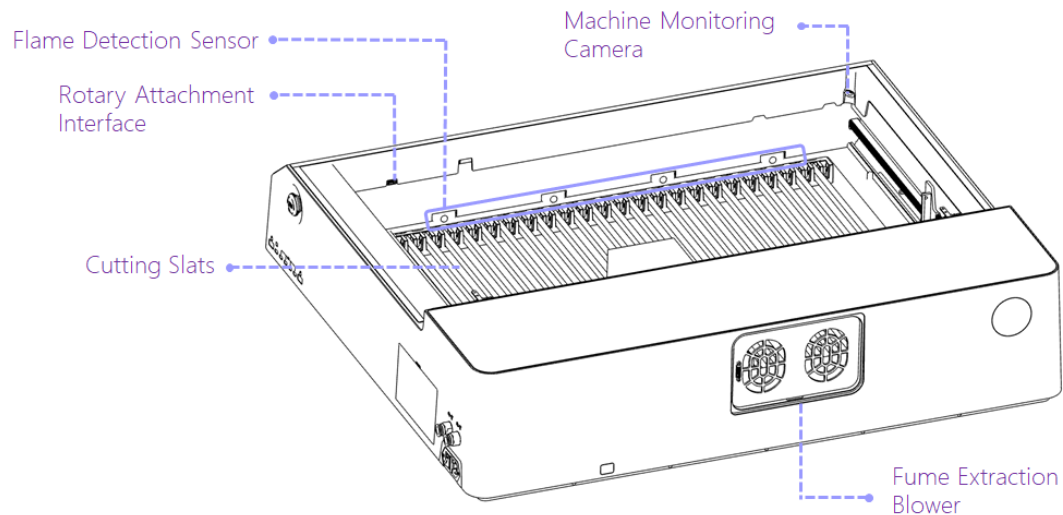
Software Specifications	
Supported Software	Aliencell Space, Lightburn
Connectivity	USB, Wi-Fi
Supported Systems	PC: Windows, macOS
Supported File Formats	SVG, DXF, JPG, JPEG, PNG, BMP, etc.

Processing Specifications	
Working Area	20W: 620 x 475 mm 40W: 620 x 475 mm 60W: 600 x 463 mm
Processing Height Range	X1 : 0mm~46 mm

	X1 + Extension Base : 0mm~146 mm
Max Speed	600 mm/s

Product Structure





Unboxing

Aliencell Wiki: https://wiki.aliencell.com/zh/x1_series/Unboxing

Preparations

Aliencell Wiki: https://wiki.aliencell.com/zh/x1_series/Assemble_machine

1. Remove the guide rail brackets
2. Install the laser module
3. Install the distance sensor
4. Install the exhaust fan
5. Insert the Key
6. Check the emergency stop switch
7. Power on the device

Use your X1

On Control Panel

1. Complete setup steps
2. Place engraving material
3. Select the processing file
4. Define the working area
5. Preview the working area
6. Close the lid and tray
7. Press Start to begin processing

On PC

Aliencell Wiki: https://wiki.aliencell.com/zh/x1_series/Engraving_Example

1. Download and install either the official Aliencell software Aliencell Space or third-party paid software Lightburn.
2. For detailed software instructions, please visit the Aliencell WIKI.

IC Caution:

- English:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with RSS-102 RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

This product is limited to indoor operation in the 5150-5250 MHz band.

- French:

Cet appareil est conforme aux normes RSS exemptées de licence d'innovation, sciences et développement économique Canada.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Pour être conforme aux lignes directrices d'exposition RF RSS-102, cet équipement doit être installé et exploité à une distance minimale de 20cm entre le radiateur et votre corps: n'utilisez que l'antenne fournie.

Ce produit est limité à un fonctionnement à l'intérieur dans la bande 5150-5250 MHz.

FCC WARNING :

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.

Any 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. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body:
Use only the supplied antenna.