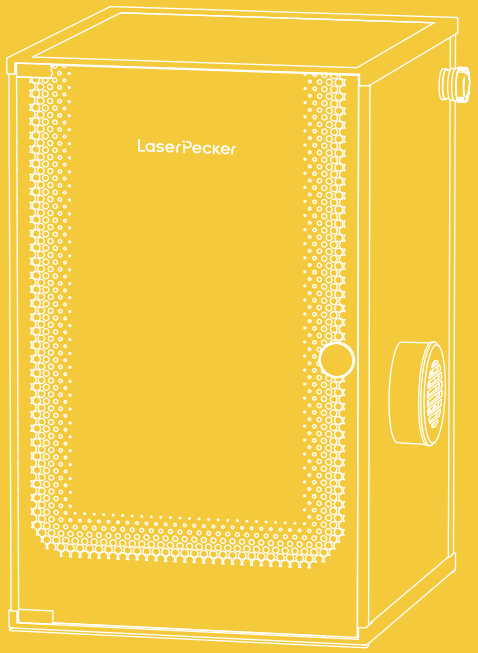
LaserPecker

Standard Enclosure

User Manual | Benutzerhandbuch
Manual de Usuario | Manuel d'utilisation

v1.0

LaserPecker



Contents

Safety Information

1 General Safety

- The use of this device, its specific purposes, and the emissions produced by engraved objects should comply with the laws and regulations of the user's location.
- Read and get familiar with all safety precautions and procedures before using the machine. Strictly follow all safety precautions. Ensure that the machine is properly assembled and is working properly.
- DO NOT allow use by minors, by untrained personnel, or by any personnel suffering from any physical or mental limitation that might affect their ability to use the machine safely and properly.
- Ensure that the workspace is clean and flat.
- Keep the area around the machine dry, well ventilated, and enviromentally controlled to 32-149°F (0-65°C) and 5-80% humidity.
- DO NOT leave the machine unattended during operation.

In the event of the following situations, please stop using the machine and cut off the power immediately:

- A burning smell is detected coming from the machine.
- Open flames or sparks are observed being generated from the engraving material.
- Any components of the machine appear to be damaged or malfunctioning.
- Unexpected cessation of machine operation for no clear reason.
- Abnormal sounds, smoke, or unusual lighting are emitted from the machine.

Safety Information

2 Laser Safety

- The LaserPecker laser engraving machines are initially classified as Class 4 laser devices. When properly equipped with the Safety Enclosure, and operated strictly according to the operational guidelines, its laser safety level can be classified as Class1, ensuring safer operation.
- The active laser and its reflections can rapidly cause fires, burns, and permanent vision damage. Under normal circumstances, the laser is blocked by the Standard Enclosure during operation. Before using the machine, ensure that the Standard Enclosure is installed properly.
- Before operating the device, users should fully understand the physical characteristics of laser radiation, its hazard classifications, related health effects, and the necessary safety precautions.
- When operating the device, avoid direct skin contact with the laser to prevent potential burns or other injuries. Ensure the Protective Cover or Standard Enclosure is correctly installed and closed.
- When the Protective Cover or Standard Enclosure is opened, the device should automatically stop laser operations to prevent laser exposure, thereby protecting the operator's safety.
- During operation, the materials being engraved or cut may release toxic and harmful gases or fumes. Depending on the type and compopsition of the engraving/cutting materials, these emissions can pose health and environmental risks.
- To ensure safe use, it is recommended to use this machine with an air purifier to effectively absorb and filter any toxic or harmful gases and fumes generated.
- DO NOT use this laser in dewy, dusty, or high-EMI conditions where the active laser might easily be deflected or reflected.
- Only use the machine with stable and compatible power sources. Failure to use the compatible power adapter can result in machine malfunction.
- Before starting the device for engraving, ensure that all safety precautions are in place. Wear protective goggles to prevent accidental laseinjury to the eyes or skin. Remove unrelated items to avoid unnecessary damage from laser exposure.
- In particular, remove any flammable or explosive materials to prevent the risk of fire.

3 Fire Safety

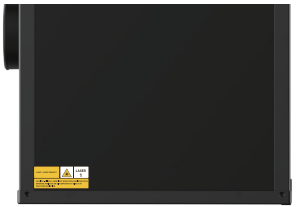
When the device cuts or engraves materials, it uses a high-density laser beam to irradiate the material, causing its surface to reach high temperatures with the aim of vaporizing the material without combustion. However, most materials are inherently flammable and may ignite, leading to open flames. Such flames could potentially damage the device (even if it is made of flame-retardant materials) and its surrounding environment. Experience shows that vector cutting with lasers is the most likely to produce open flames.

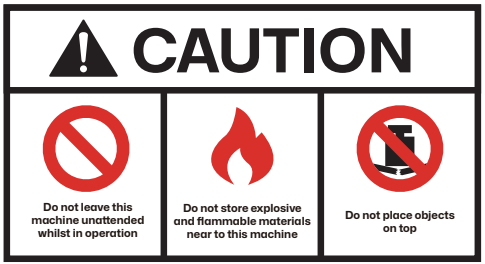
- Ensure the workspace is well-ventilated when operating the device to allow for the timely evacuation of any generated smoke.
- Do not stack materials around the device that could lead to the spread of flames or increase the risk of ignition (especially organic materials like paper).
- Do not operate the device unattended. If the device is improperly set up to run for a prolonged period without supervision, or if a mechanical or electrical malfunction occurs during operation, it could lead to a fire.
- Regularly clean the device. An accumulation of residues and debris from excessive cutting and engraving increases the risk of fire. Ensure that the working area of the device is regularly cleaned and free of any residues and debris.
- Keep the area around the device clean and free of flammable materials, explosives, or volatile solvents such as acetone, alcohol, or gasoline.
- Have a fire extinguisher ready for use and ensure it is regularly maintained and inspected.
- When cutting or engraving flammable materials at low speeds with high power in the LaserPecker Standard Enclosure, fire may occur. If you notice any flames, immediately stop the operation.

Safety Information

4 Warning Labels

The warning and instruction signs are labeled where physical injuries or damage to the machine may be caused before and/or during operation. If a sign is damaged or lost, replace it immediately. You can use the following template to print the sign you need.





Software Download

Download App

Scan the QR code below to download and install the **LaserPecker Design Space** App.

Please follow the operation guide and read the warnings and precautions in the App carefully.

LaserPecker Design Space

Download PC Software

Please visit https://www.laserpecker.net/pages/software to download the PC software.

Getting Help

Technical Support

If you encounter any issues, please do not hesitate to reach out to our customer support team at support@laserpecker.com

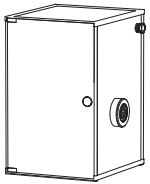
YouTube: @LaserPecker

Facebook Group:
LaserPecker LP2 Official Group
LaserPecker LP3 Official Group
LaserPecker LP4 Official Group

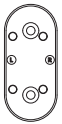
Video Tutorials

Scan the QR code below to learn how to use the Standard Enclosure.

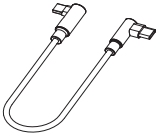
Package List



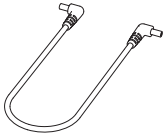
Standard Enclosure x 1



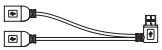
Mounting Bracket x 1
(Only required when installing the LP2 or LP3)



USB-C to USB-C Cable (0.35 m) x 1

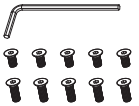


DC Power Cable (0.4 m) x 1



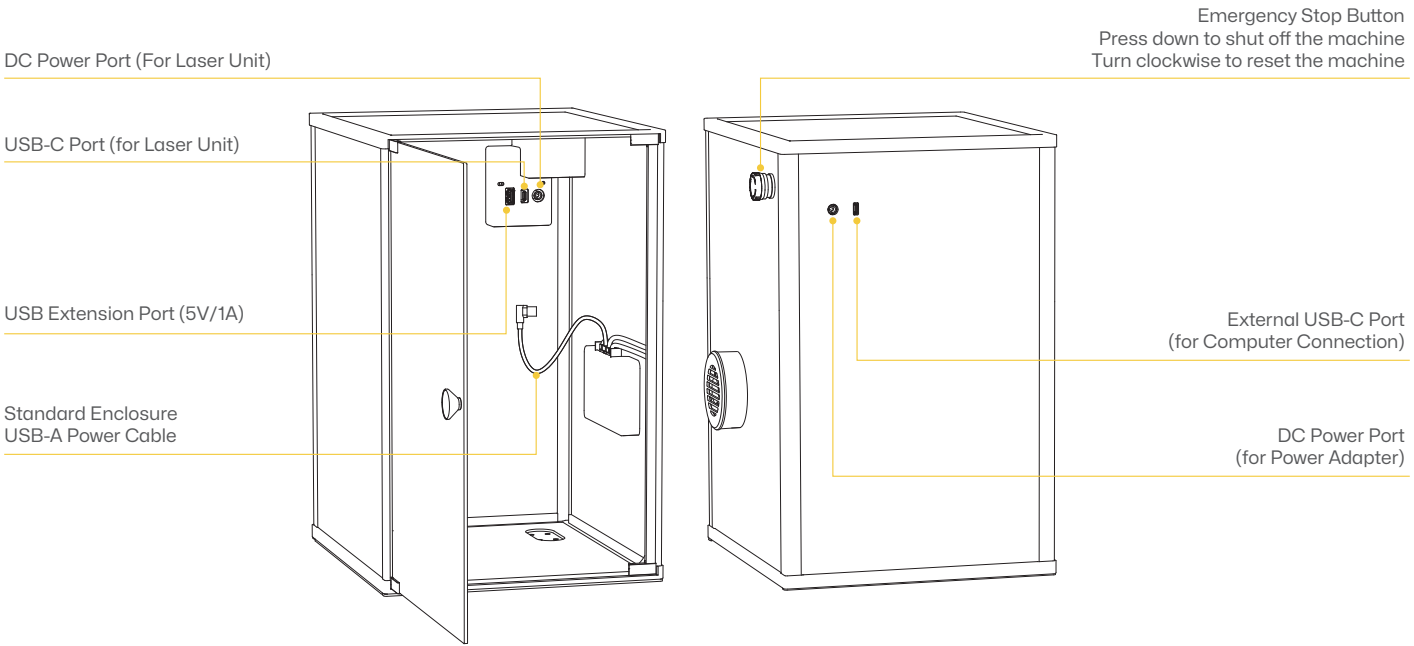
USB Splitter Cable × 1

User Manual x 1



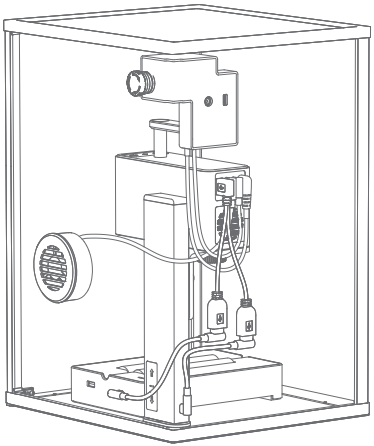
Hex Key H2.5 x 1
M4*5 Screws x 5
M4*8 Screws x 5

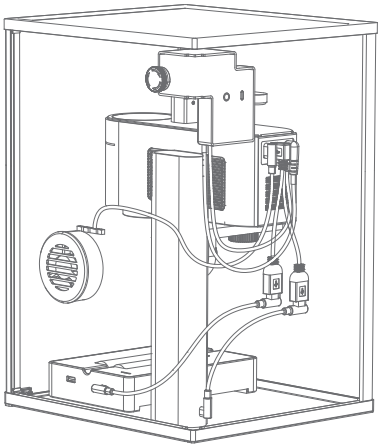
Meet Standard Enclosure



Quick Assembly

Follow the image below to complete the basic assembly before powering on the machine.





Video Tutorials

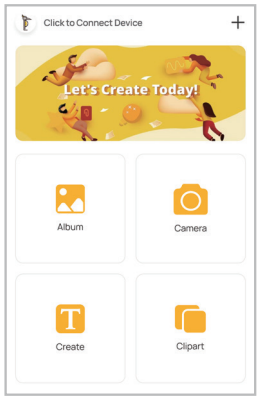
Scan the QR code below to learn how to assemble the machine with the Standard Enclosure.

Connecting Software

Mobile App Connection

Ensure the installation is complete and device powered on, then open the app LaserPecker Design Space (LDS) to search your machine via bluetooth to connect.

The Laser Unit indicator is in solid blue if the connection is successful.

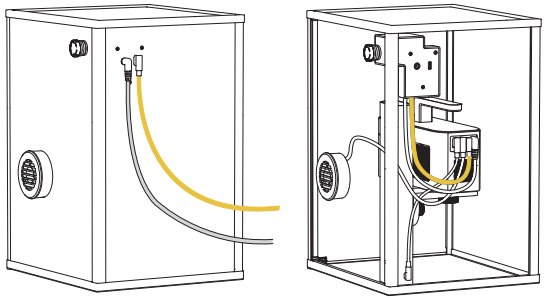


PC Connection

Ensure the installation is complete and device powered on, then the software LaserPecker Design Space to connect to your PC via a USB cable or a bluetooth adaptor.

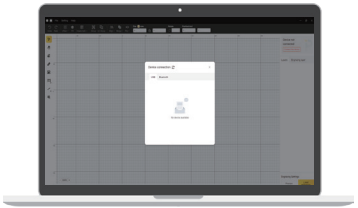
Option 1

Connect directly via USB cable



Option 2

Connect to PC Software via Bluetooth Dongle (sold separately)



Technical Specifications

Size	282 x 290 x 407 mm
Net Weight	3.24 kg
Filtering Wavelength Range	190 nm-550 nm，800 nm-1100 nm
Exterior Material	Aluminum Alloy + Plastic Composite
Safety Certification	CE

Statements

Disclaimer

Thank you for choosing LaserPecker! This manual relates to your safety, legal responsibilities and rights. Please read and get familiar with all safety precautions and procedures before using the product. If you do not use the product according to the instructions and requirements of the manual, or mis-operate the product due to misunderstanding, etc., LaserPecker (Hingin Technology Co., Ltd.) shall bear no responsibility for any loss resulting therefrom.

Given the conditions and methods of use of this product are beyond the control of LaserPecker, LaserPecker shall not be liable for any of the following consequences, which shall be borne by the user:

- Personal injury, property loss, and product damage caused by improper operation, failure to follow the manual or other uncertainties.
- The work that user created using the LaserPecker product infringes intellectual property rights of the third party or violates relevant laws and regulations.
- Personal injury, property loss, and product damage that may arise during the installation, transportation, storage, use, maintenance, and disposal of this product.
- All official LaserPecker materials have undergone safety testing and are compatible with this product. LaserPecker shall not be liable for material safety or engraving quality if the user uses non-LaserPecker official materials.

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