





Auto Pass Through Feeder

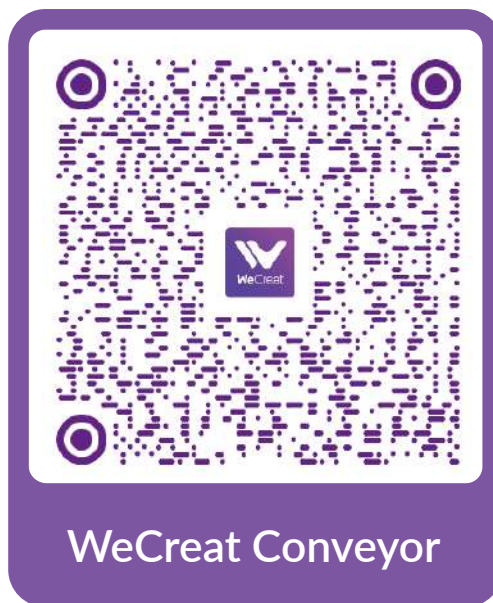
User Guide



WELCOME

Thank you for choosing WeCreat Auto Pass Through Feeder. 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



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 Auto Pass Through Feeder (hereinafter referred to as the "Pass Through Feeder"). Through this manual, users will understand how to operate the Pass Through Feeder safely and effectively to ensure optimal use.

Users must install and use according to the guidance of this Manual. The company does not assume responsibility for any damage or malfunction caused by not following the Manual's guidelines. The company 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 pass through feeder, ensuring user safety and effective operation of the device.

The company 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 Pass Through Feeder, please feel free to contact us for feedback: support@wecreat.com

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

The company 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 the company.

Safety Instructions

To ensure the safety of users, please read and follow the following safety instructions before using the WeCreat Auto Pass Through Feeder.

Before each use, check that the equipment is in good working condition.

Ensure that the work area is clean and tidy and free of objects that could interfere with operation or pose a hazard.

Regular maintenance should be performed on the equipment, including cleaning, inspection, and replacement of worn parts.

When the Pass-through Feeder is operating, avoid direct contact with parts that move material to prevent accidents such as entanglement or crushing.

Keep children away from the equipment. Do not allow this equipment to be operated by unauthorized persons or minors.

The operating temperature for the machine is 0°C-35°C and the storage temperature is 0°C-40°C. Operation in sub-zero temperatures is strictly prohibited.

If there are any questions or if the equipment malfunctions, stop using it immediately and contact WeCreat for consultation or repair.

Overview

The WeCreat Auto Pass Through Feeder is designed exclusively for the WeCreat Laser machine, tailored to handle materials that are too long for the machine. The feeder's design takes into account the unique characteristics and requirements of the laser machine, ensuring seamless integration for efficient and precise processing. Its use not only expands the operating range of the laser machine, but also improves processing efficiency and reduces the complexity of manual operations, meeting the creative needs of more households and individuals.

Specifications

Applicable to	WeCreat & other Desktop Lasers
Gross weight (All in one)	15kg
Package size (All in one)	765mm*375mm*255mm(30.12"*14.76"*10.04")
Max material length & width	3700mm*460mm(145.67"*18.11")
Mini material length & width	500mm*65mm(19.69"*2.56")
Maximum material thickness	14mm(0.55")
Minimum material thickness	3mm(0.12")
Maximum occupied area	3700mm*800mm(145.67"*31.50")

Note: The specification parameters listed are for reference only. And it varies when working with different laser machines in the market.

Product contents

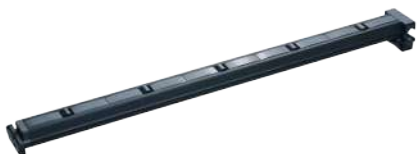
Pass through feeder



M4*10 Screws



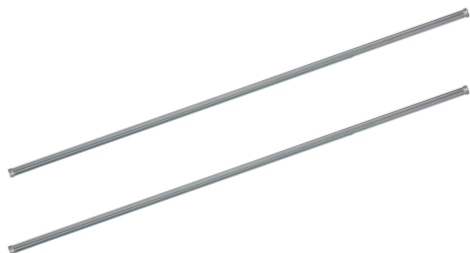
Conveyor rail



Left frame



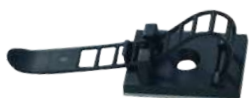
Conveyor roller



Cable tie



Cable clamp

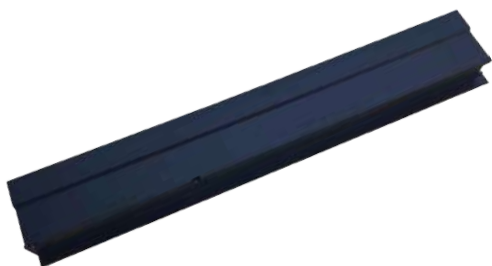


Rubber spacer



Product contents

Right frame



Aluminium lamella slat x3



Front frame



User manual



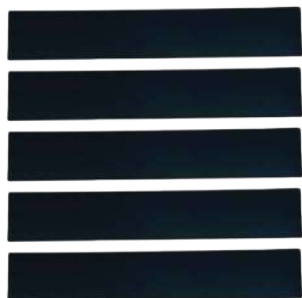
Back frame



Grease



Aluminium sheet



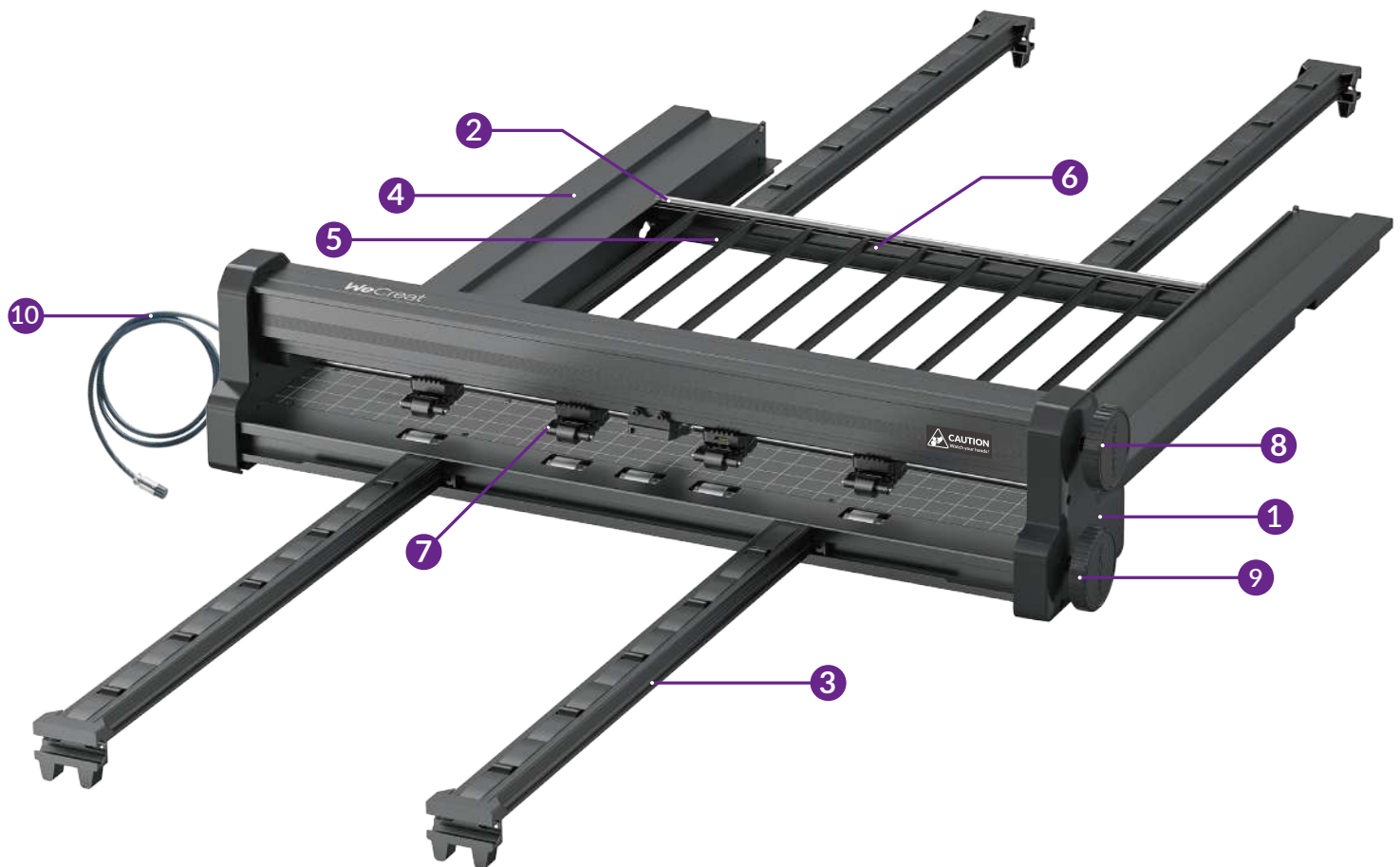
Motor Patch cord



Screwdriver



Meet your Auto Pass Through Feeder



- | | | | |
|--------------------------|--------------------------|------------------|--------------|
| 1 Pass through feeder | 2 Conveyor roller | 3 Conveyor rail | 4 Left frame |
| 5 Aluminium lamella slat | 6 Back frame | 7 Pressure wheel | 8 Upper knob |
| 9 Lower knob | 10 Motor connection wire | | |

Assemble the Pass Through Feeder

Ensure your workspace is clean and large enough to accommodate the conveyor feeder and WeCreat Vision laser.

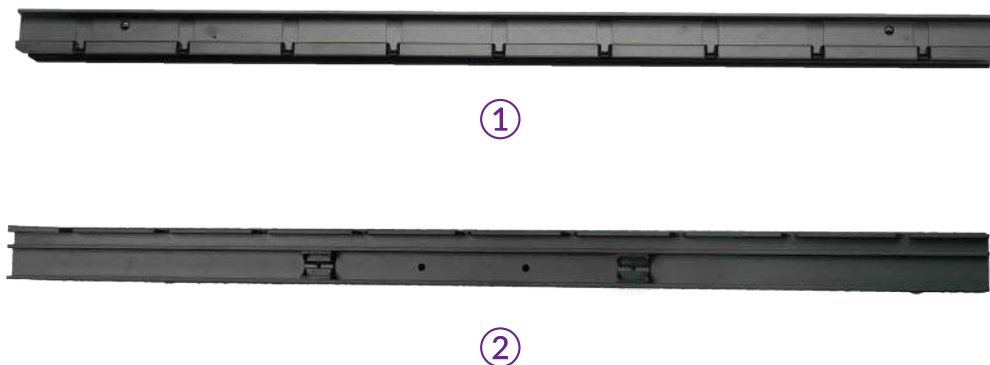
Step 1

Prepare the front, back, left and right frames. Locate the left and right frame, gently slide out the conveyor roller, aluminum lamella slat from the slot of them.



Step 2

Please pay attention to distinguishing between the front and back frames: the back frame has 2 buckles in the middle.



- Assemble the bottom support frame. Make sure the left and right frames with the side that has the sticker facing upwards, the side with the multi-grooves on the front and back frames facing downwards, positioned relative to each other.



Step 3

Adjust the position of the frames to ensure that the screw holes on one side of the frame align with the screw holes on the adjacent side of the frame



Step 4

Use the screwdriver to secure each corner with two M4*10 screws.
Note: There are two screw holes on each side, please fix them in sequence



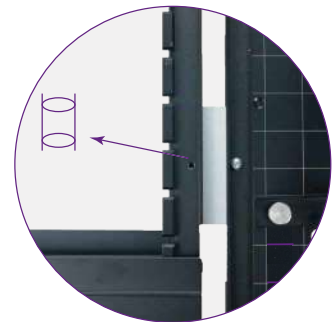
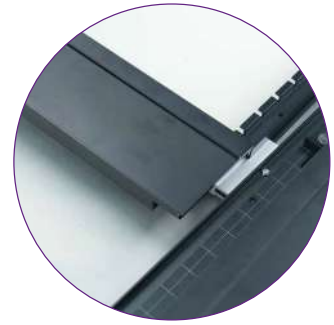
Step 5

Flip over the assembled bottom support frame, and prepare the pass through feeder. Thread the motor connection wire through the slot on the left frame, ensure that it travels smoothly until it reaches the second slot in the front. Then, pull the wire out through the front slot.



Step 6

Make sure the two protruding metal blocks on the rear side of the Feeder are correctly inserted into the middle of the front frame, and the screw holes on the metal blocks align with the two screw holes on the top of the front frame.



Step 7

Use a screwdriver to secure the screw holes with two M4*10 screws.



Step 8

Place the conveyor roller in the recess of the back frame.

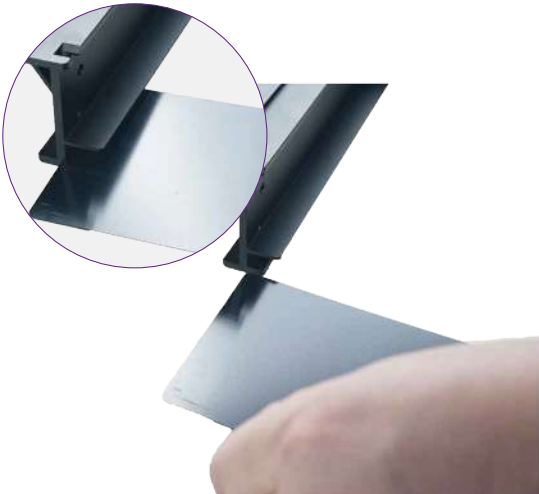


Step 9

Place the tray from the WeCreat Vision laser on the bottom of the frames.



- Alternatively, insert the aluminum sheets, one at a time, from under the back frame, along the grooves at the bottom of the left and right frames, until the frame is filled.



Step 10

Insert the aluminium lamella slats into the corresponding grooves on the front and back frames



Step 11

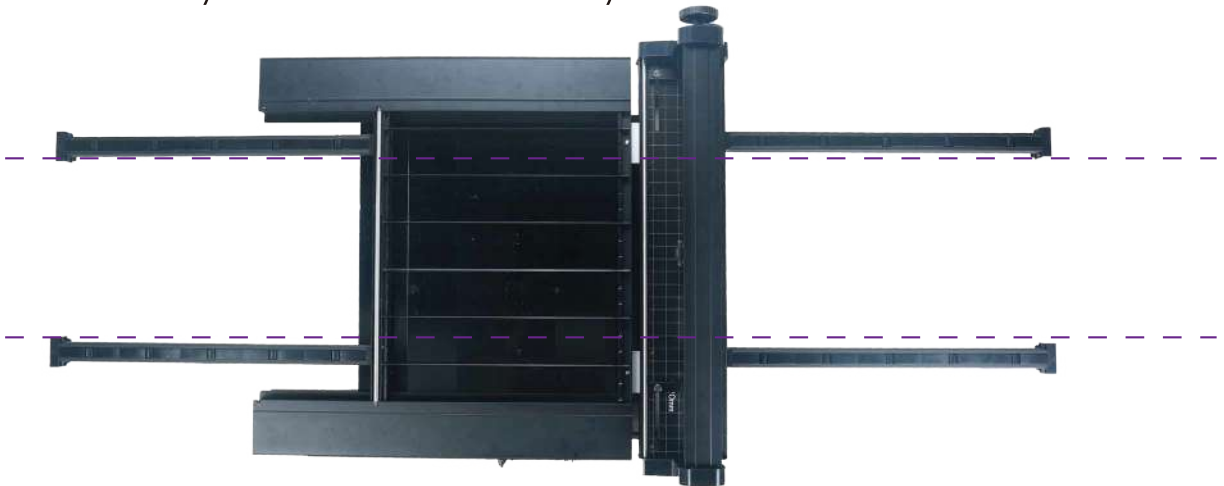
Insert the ends of two conveyor rails into the grooves on the front of the Pass-through Feeder and slide them inward from both sides.



Step 12

Insert the ends of two conveyor rails into the grooves on the front of the Pass-through Feeder and slide them inward from both sides.

Line up the rear conveyor rails with the front conveyor rails.



Step 13

The Pass-through feeder is then assembled. If the material to be processed is longer, additional rails must be connected to the other side of the assembled rails.



Step 14

Power off the WeCreat Vision Laser and disconnect all the cables at the back of the machine.



Step 15

Remove the laser beds from inside the machine, and also take out the tray at the bottom of the machine.



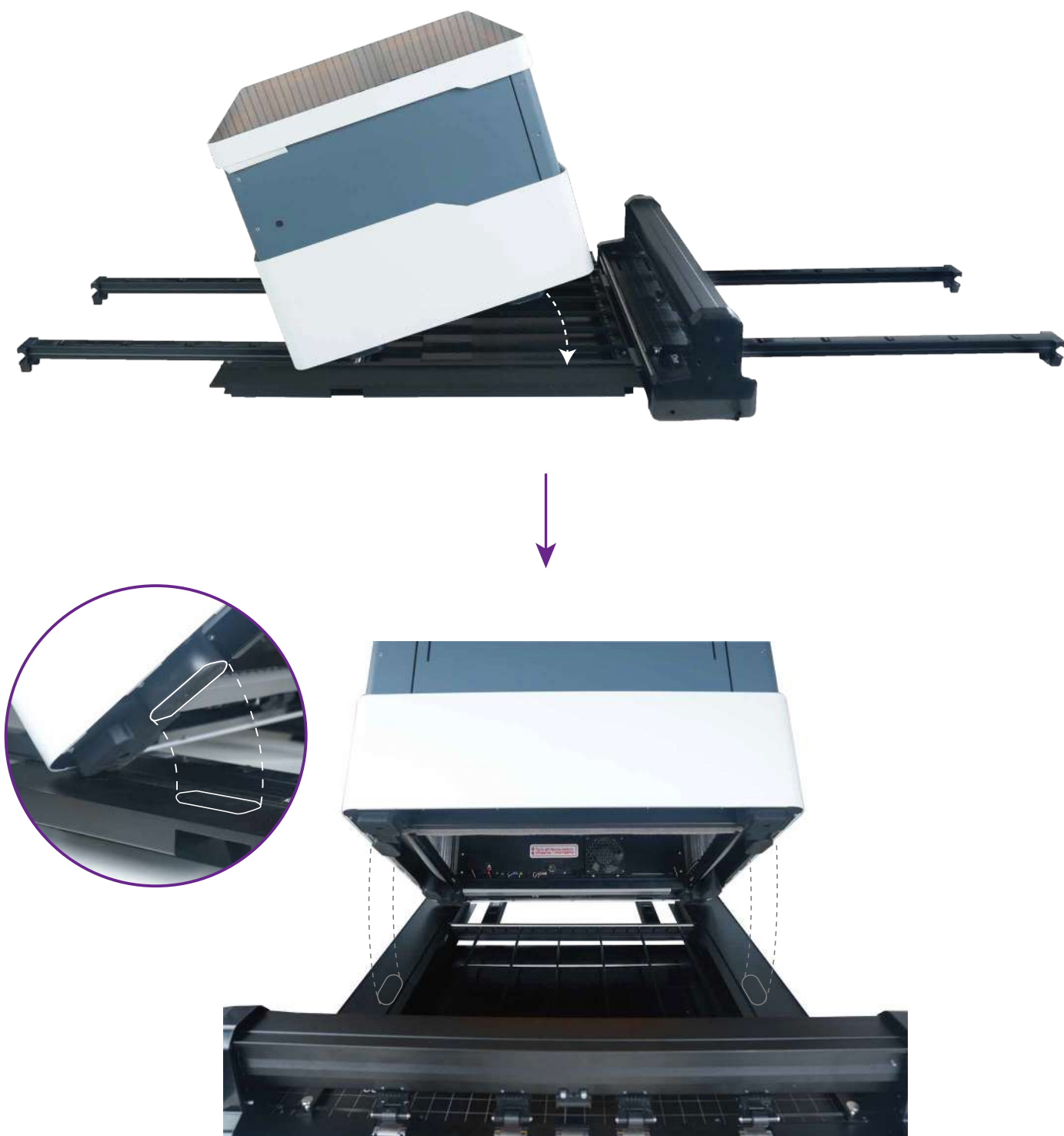
Step 16

Close the machine lid and place the machine on top of the bottom supported frame making sure the side of the machine lid with the start button is facing the pass-through feeder.



Step 17

Make sure that the bases at the four corners of the bottom of the machine are correctly placed into the grooves on the left and right frames to prevent the machine from becoming unstable and causing abnormal processing.



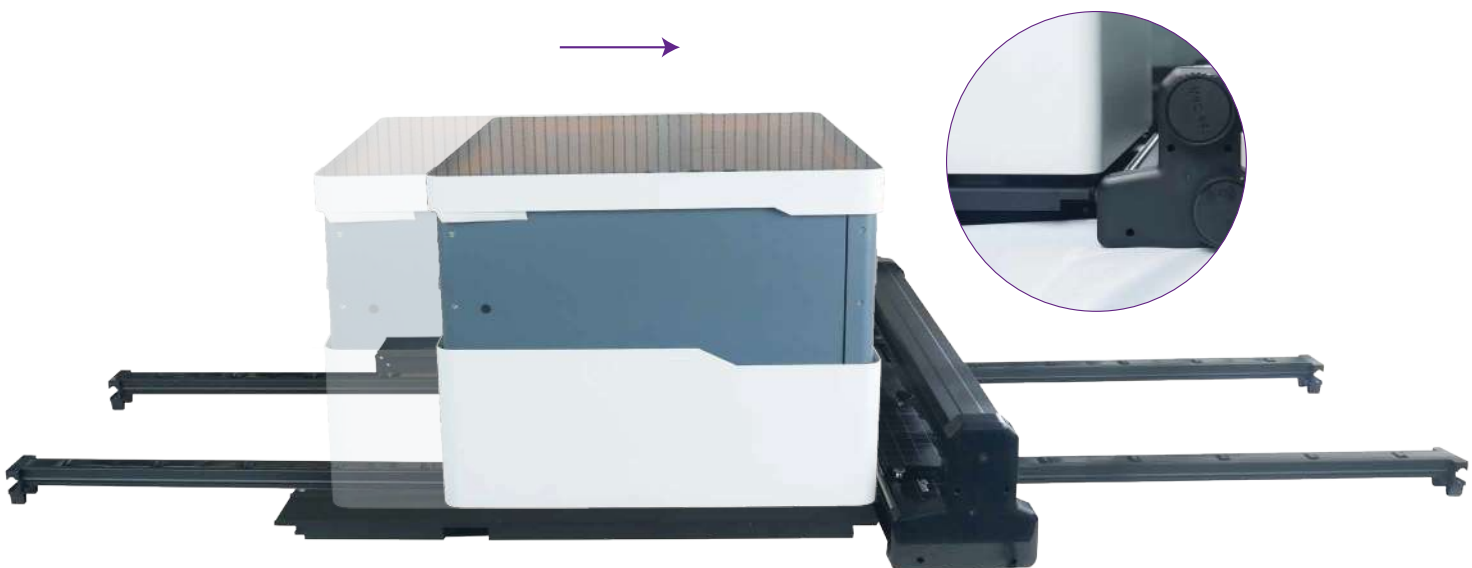
- Note: Please carefully inspect the bottom of the machine. Pay close attention to any wires or cables protruding from the bottom. You can use cable ties to bundle them so that the material won't touch the wires or get entangled with them when material is fed. This will prevent the wires from being broken and the machine from becoming unusable.



Step 18

Move the laser machine forward, aligning it with the front frame.

Notice: If the front panel of the laser machine is next to the conveyor feeder, the rubber at the bottom will press against the conveyor roller, preventing it from rotating.

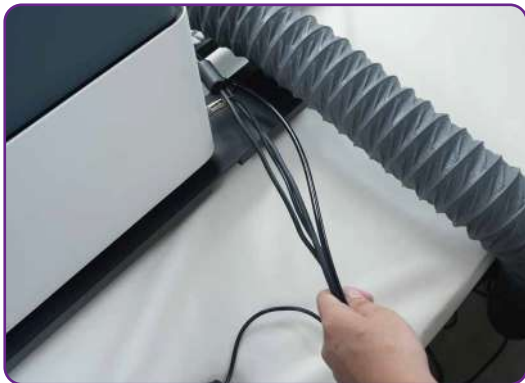


Step 19

Reconnect all connection cables and exhaust hose to the back of the WeCreat Vision laser and organize the cables on the back.



- To prevent the cables and tubes from obstructing the material conveying process, collect all the cables and tubes and tie them with the cable tie. Attach the cables and tubes organized and fixed to the back of the WeCreat Vision as shown.



Proper Use of the auto pass through feeder

Step 1

Thread the end of the Pass-through Feeder's motor wire through the gap next to the rubber base at the right rear corner of the bottom of the machine. Then insert the end into the socket on the main control board housing, which is the same socket where the Rotary Kit is inserted. Use a velcro or cable clamp that comes with the package to stick the wire.



Step 2

Place the material on the front side of the Pass-through Feeder, and rotate the upper knob counter-clockwise to raise the pressure wheel and insert the material.



Step 3

Align the material with the grid lines and feed it into the laser machine, making sure the material placement is parallel to the direction of processing.



Step 4

Rotate the upper knob clockwise to lower the pressure wheel to press the material in place to prevent the material from slipping or shifting during processing.



- For the pressure levels recommended for common materials, please refer to Appendix 1 of this manual: Recommended Pressure Levels for Common Materials.

Step 5

Rotate the lower knob clockwise to feed the material into the machine.
Please ensure that the part of the material inserted into the bottom of the machine is at least 10cm.



Step 6

Power on the laser machine and connect it to the Makelt software.
For detailed operation of the Makelt software, please visit support.wecreat.com or scan this QR code to view.



Cautions and warnings

- ① Please use flat materials and ensure there are no warped edges.



Note: If the material you are using is uneven, curved or has a thickness of 7-14 mm, please use the rubber spacer to increase the height of the machine for the material to pass through.



- ② Please do not set the pressure wheel pressure arbitrarily, as the pass-through feeder may fail to work properly. It is recommended to refer to Appendix 1 - Pressure Levels Recommended for Common Materials and set different wheel pressures for different materials.



Cautions and warnings

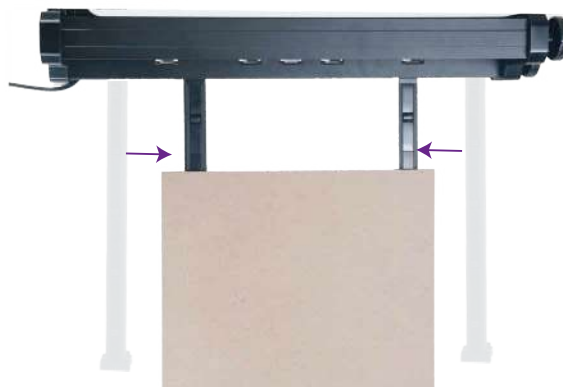
③ Please completely cover the lower pressure wheel with the material to prevent the material from coming close to the edge of the pressure wheel and interfering with the machine.



④ Please add the conveyor rail according to the length of the processed material. Make sure that the length of the material hanging in the air does not exceed 1/4 of the length of the board to prevent the board from warping.



⑤ Please adjust the distance between the conveyor rails appropriately according to the width of the material being processed to ensure that the forces on all parts of the material are as uniform as possible during the conveying process, preventing the material from deforming and the pattern being processed from deforming.



Cautions and warnings

- ⑥ Before using the Pass-through Feeder, please remove the connection wires, and other components that may obstruct the feed, preventing interference with the material transfer.
- ⑦ The distance between the pressure wheel and the processing area is 20cm, please make sure that the inserted part of the processing material exceeds 20cm.
- ⑧ Please take care to keep the cables tidy at the bottom of the rear of the laser machine. You can use cable ties to bundle them so that the material does not touch the wires or get entangled with them when material is fed. This will prevent the wires from being broken and the machine from becoming unusable.



The names and contents of harmful substances in the product

Part name	Hazardous substances		
	Pb	Cd	Phthalates
Stud	X	O	O
Brush Strip	X	O	O
Pin	X	O	O

'O' indicates that the hazardous substance in all homogeneous materials of the component is undetected.

'X' indicates that the content of this hazardous substance in at least one homogeneous material of the component is detected.

Note: The reason for the product marked with 'X' is that there are no alternative technologies or components available at this stage.

 **WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause birth defects or other reproductive harm. For more information, please go to www.p65warnings.ca.gov.

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. 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.

Maintenance and cleaning

If there is a lot of residues (such as wood chips) on the lower pressure wheel after prolonged use, please turn the pass-through feeder upside down, use a brush to clean the lower pressure wheel while turning the knob.

After a long period of use, you can use a towel with an alkaline detergent to wipe the smoke and dust on the pass-through feeder frame, grid, and conveyor rail.

Remember to clean up spills and dust after use. If stubborn stains appear after a long period of use, you can mix warm water with an alkaline detergent, soak the aluminum sheet and the bed bar in the water for a while, then rinse with clean water and allow to dry.

Frequently asked questions

Q1: Is the Auto Pass Through Feeder compatible with all WeCreat laser machines? Is it compatible with laser machines from other brand?

Yes, it is compatible with all Wecreat models, including the WeCreat Vision you have already owned in the past. As for laser machines from other brands, if the machine's bottom area is close to 430*400mm (16.93*15.75 inches), then it should work.

Q2: Do I need an additional power connection?

No additional power connection required.

Q3: How do I ensure the material processing accuracy?

1. Use flat materials without warped edges, arched parts, or being twisted, when possible.
2. Soft and flexible materials are easy to distort, may not be accurately conveyed, and are easy to stick in gaps. For hard materials of thickness less than 3 mm, you are advised to stick PET tape on its back before processing.

Q4: How low can the laser head be lowered?

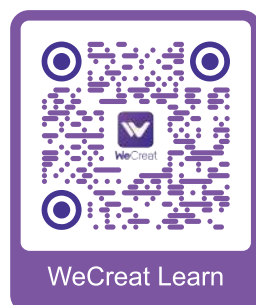
The laser head can be lowered to the height of the transportation mode (140 mm).

After-sales services

We will endeavor to support our product through all reasonable avenues.
For After Sales Assistance WeCreat can be contacted

Telephone +1 425-939-3933 during business hours: Mon - Fri, 9 am - 6 pm EST
Email support@wecreat.com
Website www.wecreat.com

Join Our Community.



Warranty

WeCreat offers a one year warranty that will be handled in the most hassle free way possible. Please click on the link below for more details. This limited manufacturer's warranty does not affect any statutory warranty provided by law.
<https://wecreat.com/pages/warranty-policy>

Appendix 1

Pressure levels recommended for common materials

The color you see in the pressure level window indicates the pressure level.



Material name	Thickness	Pressure level
Plywood	3mm	Medium
Plywood	5mm	High
Plywood	8mm	High
Acrylic	3mm	Medium
Acrylic	7mm	High
Fiberboard	3mm	Medium
Fiberboard	6mm	High
EVA board	5mm	Low/Medium
Felt board	5mm	Low/Medium
Felt board	8mm	Low/Medium
Cork board	5mm	Medium
Kraft paper	300g	Medium

