VEVOR

Upgrade · The Home Creator Way

Referencing the instructional video is essential. Product operation may be compromised if the shown methods are not implemented or if warnings are overlooked.

Please scan the QR code to see a video on how to use it.

8-language version of the manual

Laser Engraver

Model: A7,G3

F03-0266-0AA1 Version: A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

Symbol	Symbol description
	**Warning -** To reduce the risk of injury, user must read instructions manual carefully.
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendation shown below.
	**Danger!** Risk of personal injury or environmental damage!Risk of electric shock! Risk of personal injury by electric shock!
	**Warning-** Be sure to wear eye protectors when using this product
	Indoor use only
	**Disposal information:** This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices
	**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.

Part 1: Security Statment Before Installation

Before using the laser engraving machine, please read this safety guide carefully. It contains information about situations that require special attention, as well as warnings of unsafe practices that can cause damage to your property or even endanger your personal safety.

1. The product belongs to Class 4 laser products, the laser system itself must meet the requirements of IEC 60825-1 latest version, otherwise the product is prohibited to be used.

2. If a protective housing is equipped with an access panel which provides "walk-in" access then:

a)Means shall be provided so that any person inside the protective housing can prevent activation of a laser hazard that is equivalent to Class 3B or Class 4.

b）There is a warning device so as to provide adequate warning of emission of laser radiation equivalent to Class 3R in the wavelength range below 400 nm and above 700 nm, or of laser radiation equivalent to Class 3B or Class 4 to any person who might be within the protective housing.

c) Where “walk-in” access during operation is intended or reasonably foreseeable, emission of laser radiation that is equivalent to Class 3B or Class 4 while someone is present inside the protective housing of a Class 1, Class 2, or Class 3R product shall be prevented by engineering means.

Note:Methods to prevent human from radiation when persons are inside the protective housing can include pressure sensitive floor mats, infrared detectors, etc.

3. The laser itself has a protective cover, the protective cover is fastened by screws or magnets. When the laser is installed on the laser engraver, the protective cover should be checked to be reliably locked, and can not be removed in the energized state.

4. The laser engraver have an emergency stop button, which can immediately stop the output of the laser when pressed under unexpected circumstances.

5. The laser engraver have a reset button, which can resume work under the condition of confirming safety after lifting the interlock or emergency stop.

6. Set a warning mark on any window or channel that can actively observe or passively receive laser radiation on the laser engraving machine.

7. If the laser burns the skin or eyes, please go to a nearby hospital for examination and treatment immediately.

Part 2：User Security Statement

Laser light can cause harm to human eyes and skin. Do not expose your eyes or skin directly to the laser light. This laser product emits a collimated laser beam through an optical lens. The light emitted by the product, whether direct or reflected, can be very harmful as it can travel long distances while maintaining high optical density. When handling the product, it is necessary to wear appropriate goggles (OD5+) to protect the eyes from all laser light, including reflected and stray light. Reflected and stray light that spills into unintended areas should be attenuated and/or absorbed.

2.1 Laser safety

We have installed a laser shield on the laser, which can filter out most of the diffuse reflection of the laser spot. However, when using the laser engraving machine, it is recommended to wear laser protective glasses to prevent eye damage. Avoid skin exposure to type 4 laser beams, especially at close distances. Teenagers must be supervised by parents while using the machine. Do not touch the laser engraving module while the machine is active.

2.2 Fire safety

Because cutting burns off the substrate, a high-intensity laser beam generates extremely high temperatures and a lot of heat.Certain materials can catch fire during cutting, creating gases and fumes inside the equipment. A small flame usually appears here when a laser beam hits the material. It will move with the laser and will not stay lit when the laser passes by. Do not leave the machine unattended during the engraving process. After use, be sure to clean up the debris, debris and flammable materials in the laser cutting machine. Always keep an available fire extinguisher nearby to ensure safety. When laser engraving machines are used, smoke, vapour, particles, and potentially highly toxic materials (plastics and other combustible materials) are produced from the material. These fumes or air pollutants can be hazardous to health.

2.3 Material safety

Do not engrave materials with unknownpfoperties. Materials Recommended:Wood, bamboo, leather,plastic, fabric, paper, opaque acrylicglass. Materials not recommended： Gold, silver, copper, aluminum ,ransparent and translucent acrylic, precious stones, transparentmaterials, reflective materials etc. lf reflective materials need to be engravedit is recommended to use a paint pen to draw black to avoid reflection.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

Part 3: Disclaimer and warning

This product is not a toy and is not suitable for people under 15. Do not allow ch ildren to touch the laser
module. Please be careful when operating in scenes with children.

This product is a laser module. Please read the operating instruction manual carefully. VEVOR reserves the right to update this disclaimer and safe operation guide.

Please be sure to read this document carefully before using the product to unde rstand your legal rights, responsibilities and safety instructions; Otherwise, it ma y bring property loss, safety accident and hidden danger of personal safety. Onc e you use this product, you shall be deemed to have understood, and accepte d all terms and contents of this document. User undertakes to be responsible fo r his or her actions and all consequences arising therefrom. User agrees to use the Product only for legitimate purposes and agrees to the entire terms and cont ents of this document and any relevant policies or guidelines that VEVOR may e stablish.

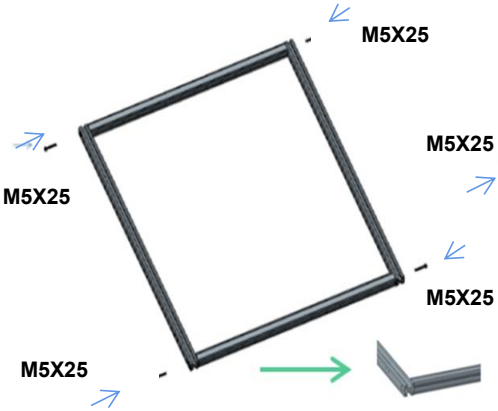
You understand and agree that VEVOR may not be able to provide you with the cause of the damage or accident and provide you with after-sale service unless you provide the original engraving or cutting files, engraving software configuration parameters used, operating system information, video of the engraving or cutting process, and operational steps prior to the occurrence of a problem or failure.

VEVOR is not liable for any and all losses arising from the user's failure to use t he product in accordance with this manual,Without the guidance of the company's technical personnel, users are prohibited from disassembling the machine by themselves. If this behavior occurs, the loss caused by the user shall be borne by the user.

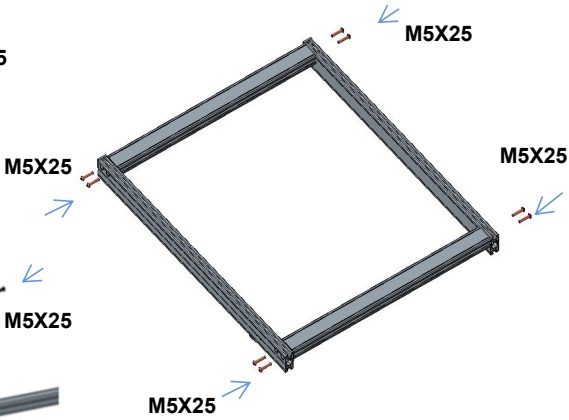
VEVOR has the ultimate right to interpret the document, subject to legal complia nce. VEVOR reserves the right to update, modify, or terminate the Terms witho ut prior notice.

Part 4: Installation Steps

Step1: Assemble the frame

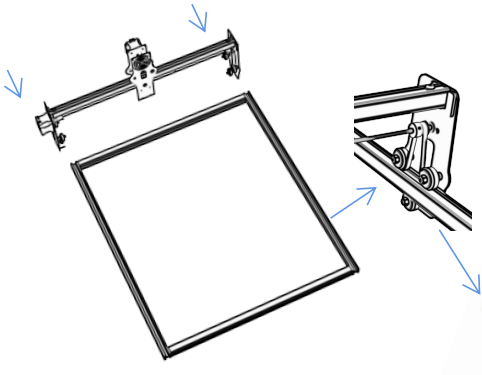


For 5W/10W

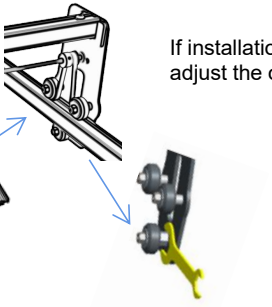


For 20W

Step2: Install the X-axis assembly

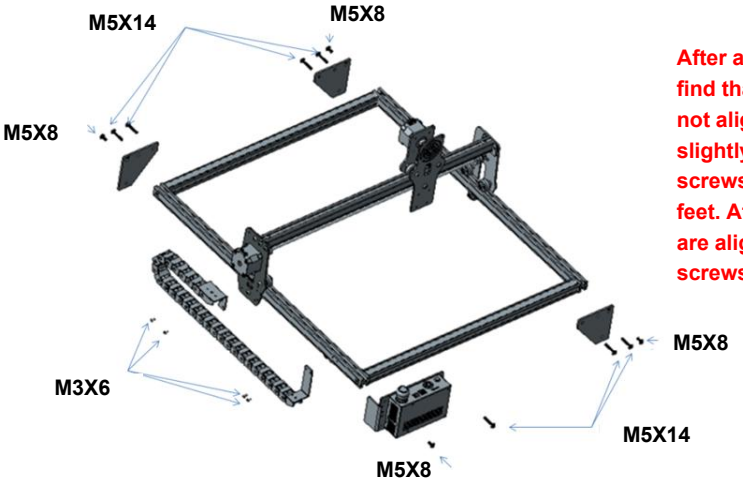


If installation is difficult, adjust the offset wheel



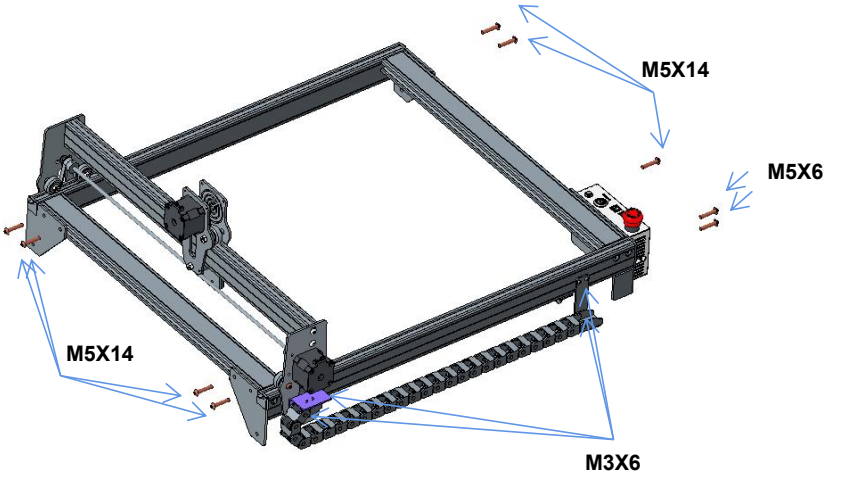
The guide rail passes through the middle of the 3 rollers. Loosen the distance between the upper and lower guide wheels appropriately.

Step3: Install the support foot assembly and the Y-axis tank chain



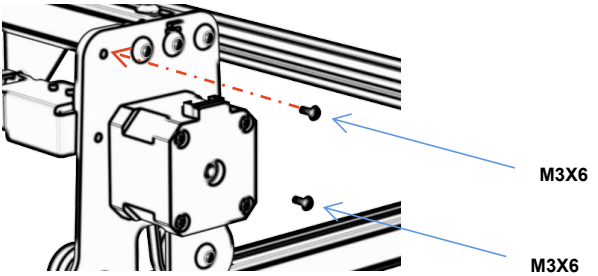
After assembly, if you find that the four feet are not aligned, please slightly loosen the screws of the support feet. After the four feet are aligned, tighten the screws again.

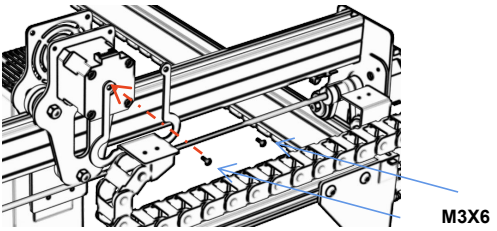
For 5W/10W



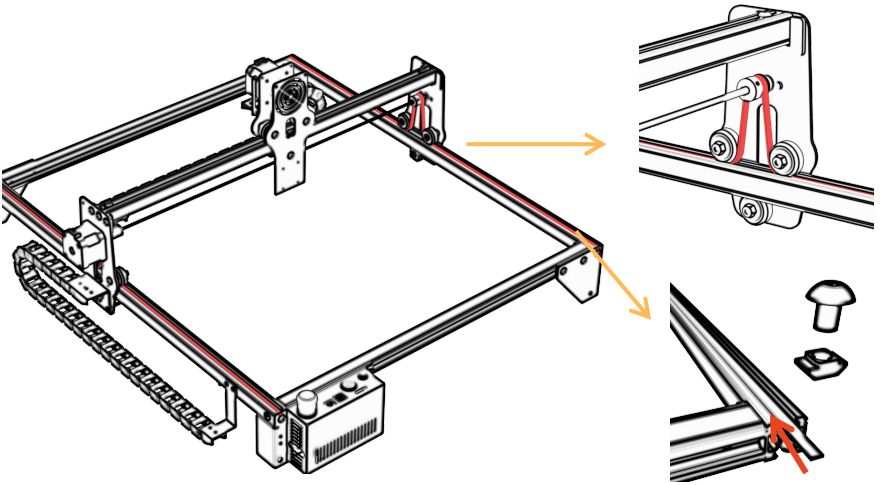
For 20W

Step4: Install the X-axis tank chain



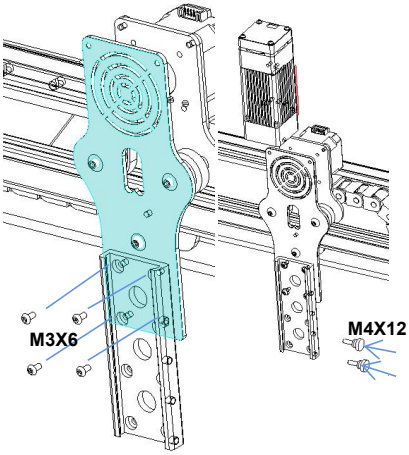


Step5: Install the timing belt

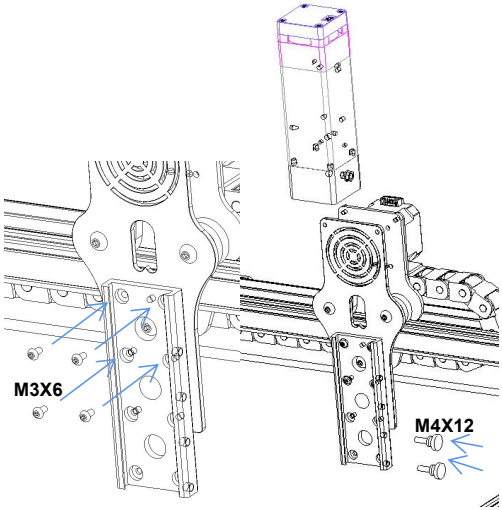


Using M5 × 6 T-shaped combination nut locking with belt

Step6.1: Step6: Laser installation (for 5W and 10W models)

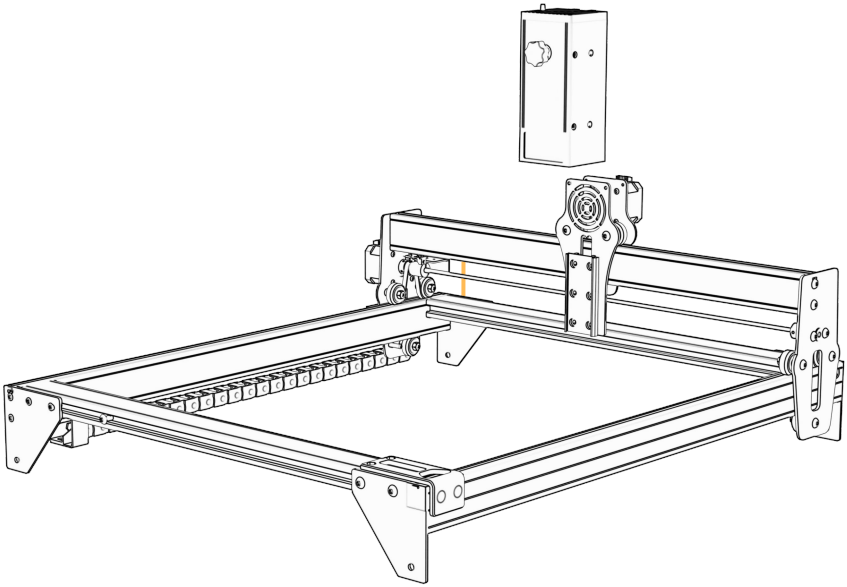


For 5W

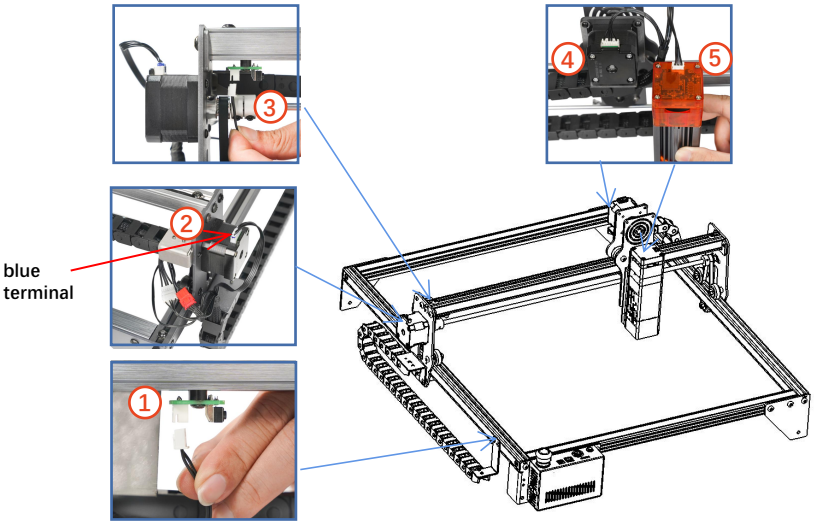


For 10W

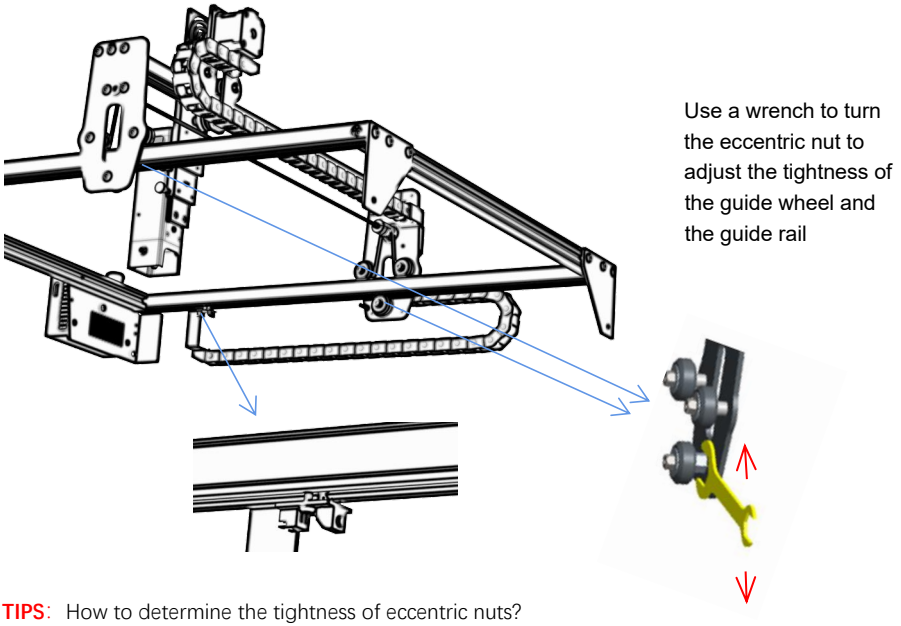
Step6.2: Mounting laser (for 20W))



Step7: Install the cable



Step8: Adjust the eccentric wheel

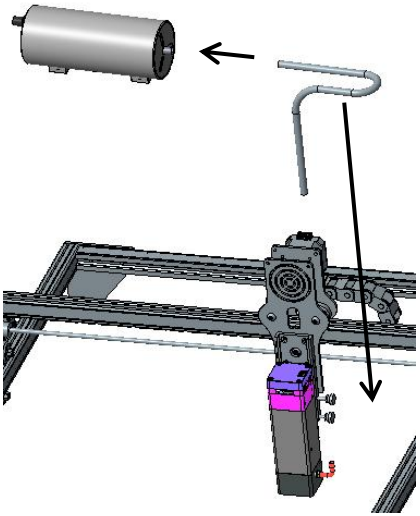


Use a wrench to turn the eccentric nut to adjust the tightness of the guide wheel and the guide rail

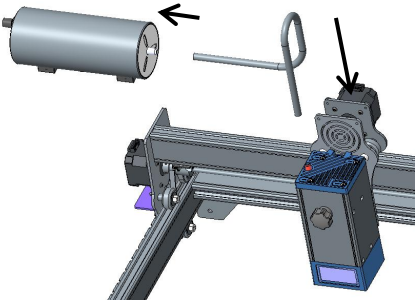
TIPS: How to determine the tightness of eccentric nuts?

Under the condition of ensuring that the bracket does not shake, you can lift one end of the machine to an angle of 45 degrees with the horizontal plane, and release the X-axis or Y-axis bracket from a high place. If the bracket can slide at a constant speed to the end, the tightness is suitable.

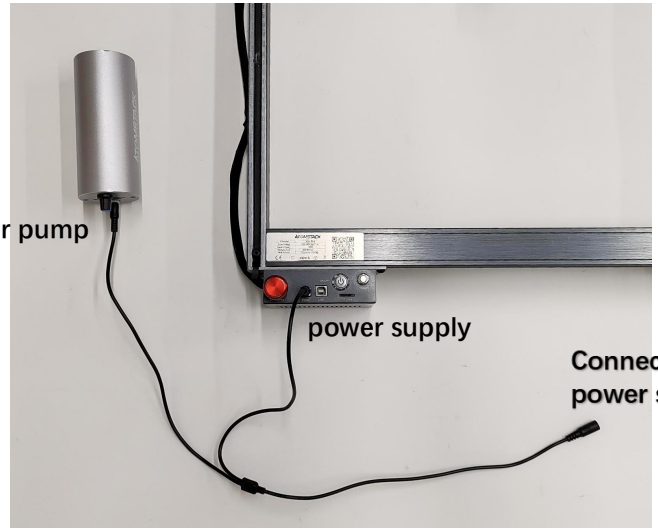
Step9：Air assisted installation (suitable for matching air assisted models)



For 10W



For 20W



Part 5：Control box description



1.Emergency stop switch：In case of emergencies, the machine will immediately stop working when you press it. When you need to unlock it, turn the button clockwise to restart the engraver.

2.Power socket: DC 12V power supply(A7),DC 24V power supply(G3).

3.USB interface: control the engraver on the computer with connecting to the computer through a USB cable.

4. Power switch: control the power on and off.

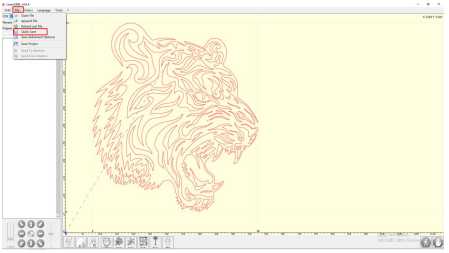
5. TF card slot: here to insert the TF card(TF card needs to be purchased by yourself).

6. Reset switch: When an emergency occurs or the machine is stuck, press the reset button to restart the engraver.

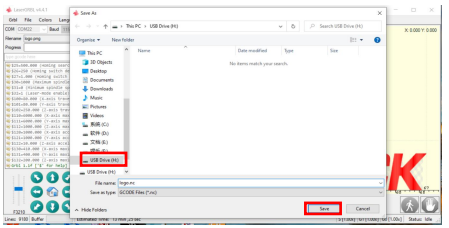
Before use, please make sure that the emergency stop switch is in the up state.

Instructions for exporting nc and gc format files

1.LaserGRBL software

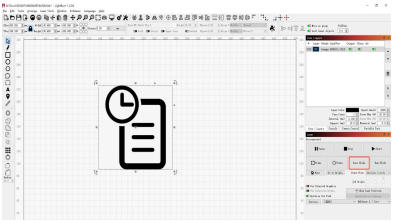


1.Import the picture to be engraved or cutted into laserGRBL, after setting the engraving speed and energy parameters etc., click File, and select Quick Save

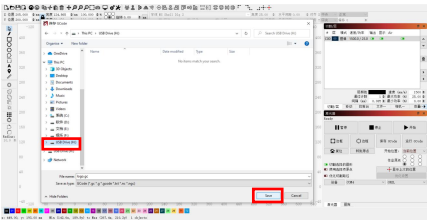


2.Select TF card as the save path, click Save to generate nc file.

2.Lightburn software



1.Import the picture to be engraved or cutted into lightburn, after setting the engraving speed and energy parameters etc., click Save Gcode.



2.Select TF card as the save path, click Save to generate gc file.

Part 6：Software installation and use

1. Downloading LaserGRBL software

2. Installing LaserGRBL

3. Adding custom buttons

4. Connect laser engraving machine

5. Setting Engraving Parameters

6. Laser focus adjustment

7. Positioning

8. Start, Termination carving or cutting

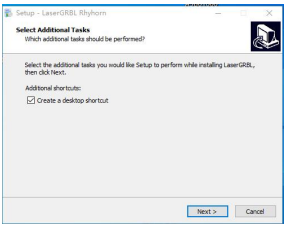
9. LightBurn Installation Tutorial

1. Downloading LaserGRBL software

LaserGRBL is one of the most popular DIY laser engraving software in the world, LaserGRBL download website: http://lasergrbl.com/download/

2. Installing LaserGRBL

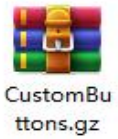
Double-click the software installation package to start the software installation, and keep clicking Next until the installation is complete.(Picture1)



Picture**1: LaserGRBL** software installation

3. Adding custom buttons：

1.The software supports users to add custom buttons, you can add custom buttons in the software according to your usage. We recommend the official Custom Buttons from LaserGRBL. Custom button download address: http://lasergrbl.com/usage/custom-buttons/. The downloaded custom button is displayed as shown in the figure. (Picture2)

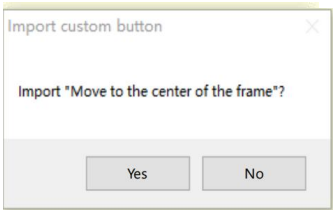


Picture **2:**custom button package

2.Next, we will load the custom buttons into the LaserGRBL software. In the LaserGRBL software, right-click on the blank space next to the bottom button (as shown in Picture 3) -> Import custom button, then select the custom button zip file downloaded to import, keep pressing Yes (Y) until no window pops up. (Picture 4、Picture 5）

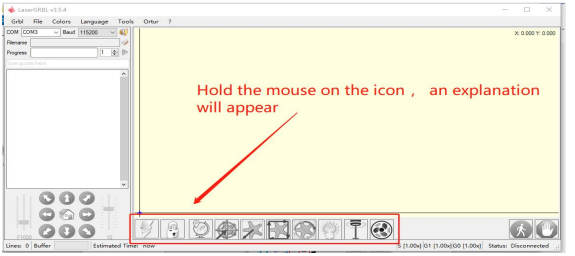


Picture **3: adding custom button**



Picture **4:** custom button loading

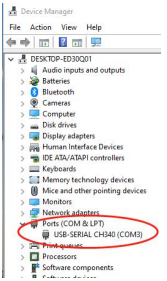
The installed software is shown as the following figure.



Picture **5:** Software button

4. Connect laser engraving machine

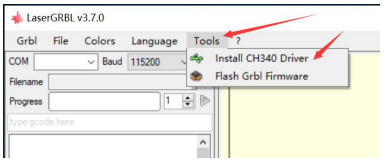
A.Connect the engraver to a computer with LaserGBRL software installed.
B. Plug in the power supply of the engraving machine.
C. Open the LaserGRBL software
D.Select the correct port number and baud rate in the software - 115200, (in general, COM ports do not need to be selected manually, but if you have more than one serial device connected to the computer, it needs to do so, you can find the port of the laser engraver in the device manager of the Windows system, Or you can simply try the port numbers displayed one by one).

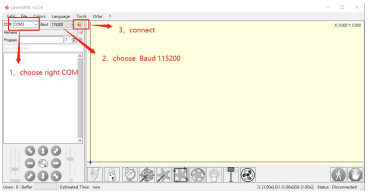


Check the port number

E.First, install CH340 Driver. In the LaserGRBL software, click "Tools">"install CH340 Driver" to install the driver, and restart the computer after installation to connect.

F.Click on the lightning connection logo in the software. When the lightning logo changes to a red X, the connection is success.

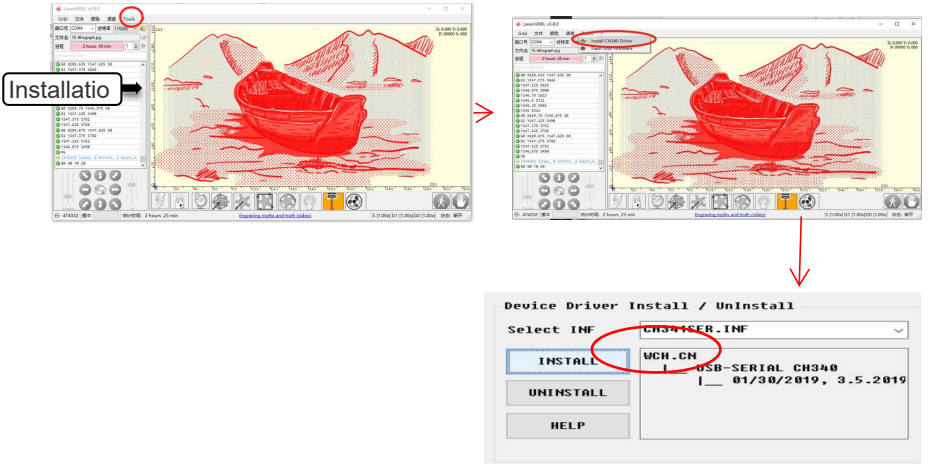




Connect the engraving machine

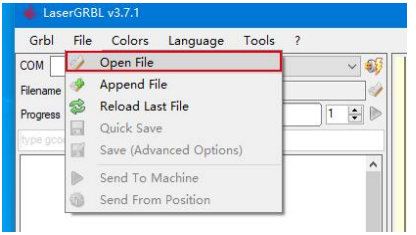
G. The computer and engraving machine chain machine failure, need to update the drive, the method is as follows

In LaserGRBL, click "Tools" > in turn.Linstall CH340 Driver "Update and install the Driver, restart the computer after the update, and then connect, as shown in the picture below.



5. Setting engraving parameters

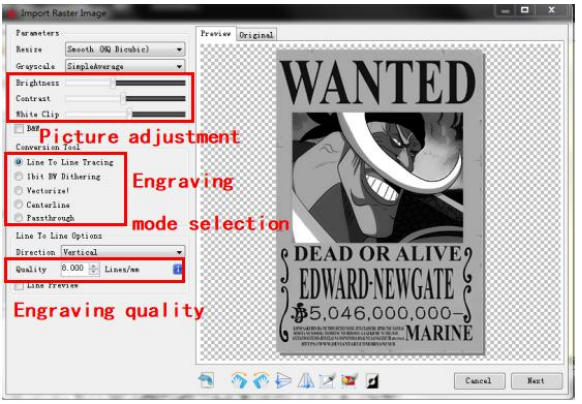
1. Select the engraving file.
Open LaserGRBL software, click "File"> "Open File", then select the graphics you want to engrave, LaserGRBL supports NC, BMP, JPG, PNG, DXF and other formats.



Open file

2.Picture parameters, engraving mode, engraving quality settings
a.LaserGRBL can adjust the sharpness, brightness, contrast, highlight and other attributes of the target picture, when adjusting the parameters of the picture, the factual effect will be shown in the right preview window, there is no standard here, just adjust the effect you want.
b. Engraving mode usually choose "line to line tracking" and "1bit dithering", 1bit dithering is more suitable for engraving grayscale graphics. If you are going to cut, select the vector graphics or centerline engraving mode.
c. Engraving quality essentially refers to the line width of the laser scan, this parameter mainly depends on the size of the laser spot of the engraving machine, it is recommended to use an engraving quality of 8, The response to laser illumination varies from different materials, so the exact value depends on the specific engraving material.
d. at the bottom of the preview window, the image can also be rotated, mirror, cut, etc. operations.

e. After completing the above settings, click next to the the settings of carving speed, carving energy and carving size.



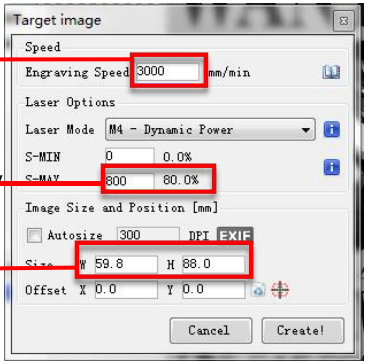
Introduction of Setup Interface

3. Engraving speed, engraving energy and engraving size Setting
a. recommending the engraving speed for 3000, this is the best value for the engraving effect after repeated experiments, of course you can increase or decrease the speed according to your preference, faster speed will save the engraving time, but it may reduce the engraving effect, slower speed is the opposite.
b. In the selection of the laser mode, there are two commands for laser, M3 and M4, it is recommended to use the M4 command for 1bit litter engraving, and M3 command for other cases. If your laser only has M3 instruction, please check whether the laser mode is enabled in the GRBL configuration, please refer to the official instructions of LaserGRBL for GRBL configuration.
c. Choose the engraving energy according to different materials,
d. Finally, set the size you want to engrave, click on the "Create" button, all the engraving parameters has been set.

Speed recommendation 3000

Input appropriate energy according to your material

Enter the appropriate size according to the contour of the object to be carved



Setting of engraving speed and laser power

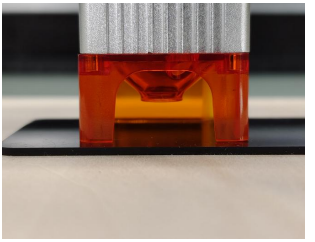
6. Laser focus adjustment

The effect of engraving or cutting largely depends on whether the laser is focused or not. Most of the existing laser engraving machines on the market use zoom lasers. It is necessary to turn the focus nut while staring at the laser spot to observe whether the laser is focused. Staring at the laser spot for a long time can hurt your eyes (even with goggles), and it is difficult to distinguish small changes in focus, so it is difficult to find the best laser focus.

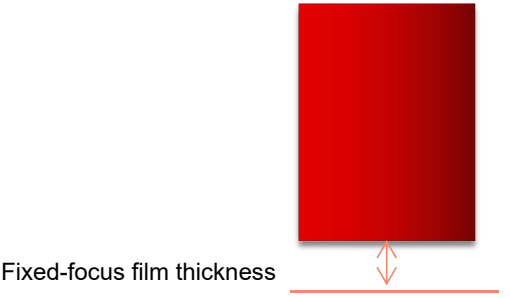
In order to solve this problem, we abandoned the traditional zoom laser and installed a fixed-focus laser on our engraving machine. The focus is at the thickness of a fixed-focus film of the laser, and the fixed-focus film is attached in the package. When using, only need to adjust the laser. The following is the specific operation:

A. Move the laser head to the object to be engraved or cut.

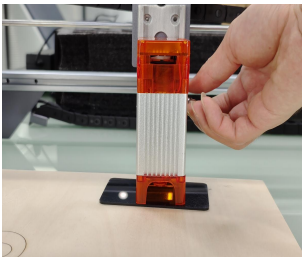
B. Place a fixed focus film on the object to be engraved or cut.The focal distance of different power lasers is 5W 2mm,10W 3mm and 20W 4mm



Placing fixed-focus piece



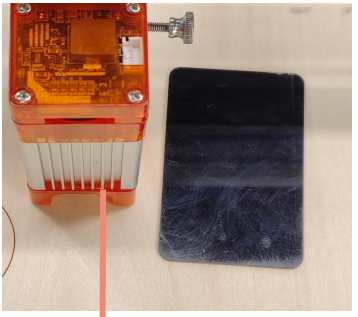
C. Secure the laser with two screws to the right of the machine's slider and allow the laser to slide freely until it touches the prime focus



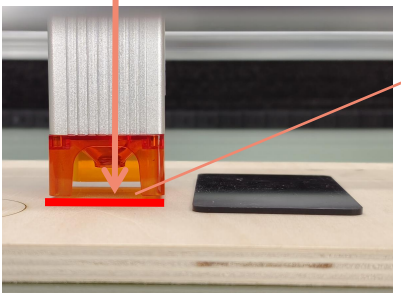
Adjusting the laser distance

D. Tighten the two screws securing the laser to the right side of the slider

E.Take out the fixed focus piece and finish focusing.

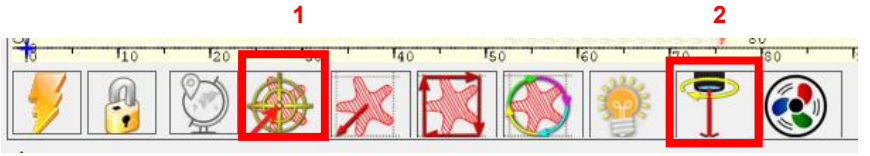


Take out the fixed focus piece



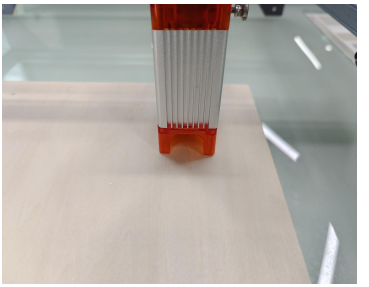
7. Positioning

A. The engraver does not know where to engrave, so before you start engraving, there is an important task that is positioning. We will complete the positioning operation in three steps.
B. Select the "Move to Center" button, the laser will move to the center of the pattern, and the engraving will be placed below the laser.





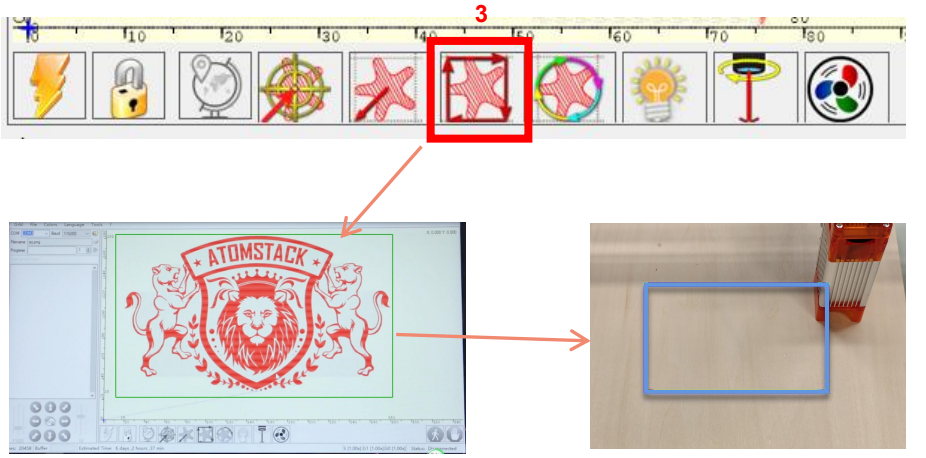
Step1： Move to Center



Step2： light laser

C. Click "light laser" button, the laser will emit a weak light, the laser emits irradiation point is the center of the engraving pattern, based on this, adjust the position of the engraved object!

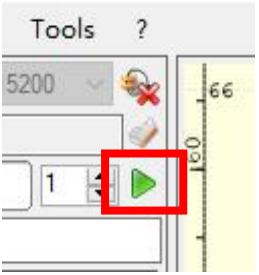
D. Click "Profile Scan" button, the laser will start to scan the outer contour of the pattern on the computer, you can change the position of the engraved object again according to the scanned outer contour position. Besides, You can click on the "wrap-around" button for several times until the outer contour is at the position you want to engrave.



Step3： Profile Scan

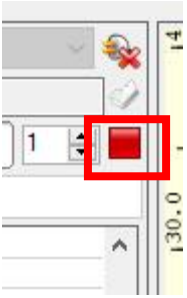
8. Start, Termination carving or cutting

1. Start:
After finishing all the above operations, click the green button as shown in the figure to start engraving. There is a number that can be edited next to the start button. It is the number of times of engraving or cutting, LaserGRBL allows multiple consecutive engraving or cutting of uniform shapes, this function is especially useful for cutting.



Picture 1 Start

2. Termination
If you want to terminate the job midway, you can click the terminate button as shown in the picture to terminate the engraving or cutting.



Picture **2** Stop

9. LightBurn Installation Tutorial

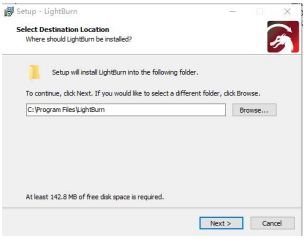
We can download the installation package from the LightBurn website:
We can download the installation package from the LightBurn website:

https://lightburnsoftware.com/



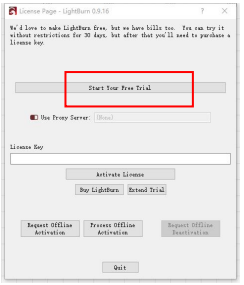
Picture3：
LightBurn
Software package

Double-click on the installation package to install and click "Next" in the pop-up window.
(Note: LightBurn is a paid software, for better experience we recommend you to buy the original one, here we will demonstrate the installation of the trial version)



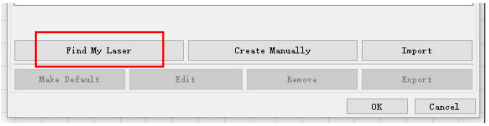
Picture **4：**
Select the
installation path

Click Start Your Free Trial（Picture 5）



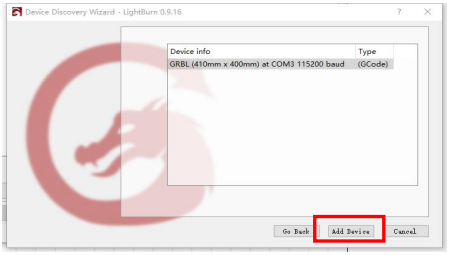
Picture 5：Choose
a free trial

Click Find My Laser （Picture 6）



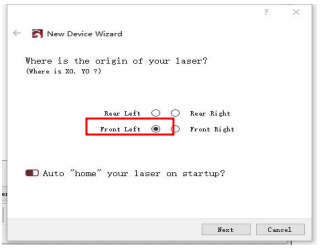
Picture **6**：Click”Find my laser”

Click Find My Laser （Picture 7）



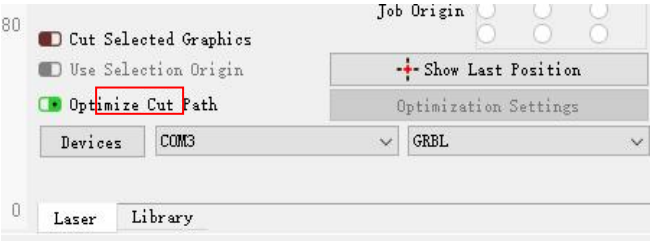
Picture 7：Click **GRBL**,then Click add Device

To set the origin, we usually set the origin in the front left.



Picture **8**：set the origin in the Front left.

If the computer cannot be connected to the machine, we can try to select different ports of the laser engraving machine, as shown in the image below. If it still doesn't work, please contact our customer service

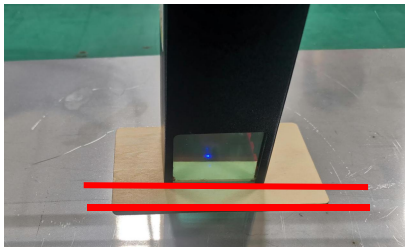


Part 7: Techniques for using machines

1. The closer the laser is to the table, the less stable the structure will be, try to elevate the laser as far away from the table as possible when using the laser.
2. Precise positioning of the pattern and the engraved object.
a.Move the laser to the lower left of the frame.
b. Using a ruler and pencil to draw a center point on the engraved object（Picture **1**）.
c.The shield must be parallel to the edge of the engraved object（Picture **2**）.

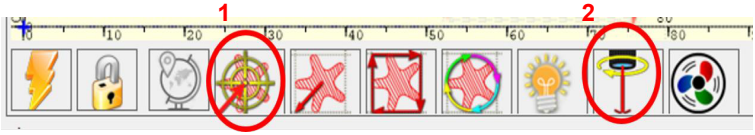


Picture **1** draw a center point on the engraved object



Picture **2** The shield is parallel to the edge of the engraved object

d.Click on the following two buttons in sequence to move the laser so that the laser point moves to the center of the engraving. Once the positioning is complete, you can start engraving.



Picture **3** center point positioning

Part 8: Maintenance instructions and warning

This product uses a highly integrated design and requires no maintenance. However, if the laser system installed with this product needs to be repaired or adjusted, please:

1. Unplug the power connecter on the laser, so that the laser is in a state of power failure;

2. If you need laser assistance for adjustment, please:

① All present personnel wear protective glasses,OD5+ protective glass is needed ;

② Make sure there are no flammable or explosive materials around;

③ The position and direction of the laser are fixed to ensure that the laser will not accidentally move and shine on people, animals, flammable, explosive and other dangerous and valuable objects during debugging.

④ Don't look at lasers

⑤ Do not shine the laser on the mirror object, lest the laser reflection cause accidental injury.

3. Laser module cleaning



After a period of utilization for the laser module, there will be some remains stay at the protective cover, heat sink, and the laser head. The remains need to be cleaned in time so that not affect the use of the laser module.The windshield and protective cover must be removed before cleaning.

Part 9:List of accessories

1. Instruction manual *1

2.Eye protection glasses *1

3.USB communication cable *1

4.Clean the brush *1

5.Try small wooden boards *3

6.Try small acrylic plates *3

7.Determine the focus block *1

8.Open end wrench *1

9.1 Screw-bag : （M5×25mm*4PCS、M5×8mm*4PCS、M5×14mm*7PCS、M5×6mm*4PCS、 M3×6mm*12PCS、 M4×12mm*2PCS、）

Applicable to 5W and 10W models

9.2 Screw-bag : （M5×25mm*8PCS、M5×6mm*6PCS、M5×14mm*7PCS、M3×6mm*8PCS ）

Applicable to 20W models

10.Dust-free cloth *1

11.Cable ties *10

12.H3 hexagonal L-shaped wrench*1

13.H2 hexagonal L-shaped wrench*1

14.H2.5hexagonal L-shaped wrench*1

15.Air-assisted pumps *1 (A710W and G3 models only)

16.Rotary Roller User Manual *1(Only available on A710W+Roller and G3+Roller models)

Part 10: Precautions for common problems

1.Please select the correct COM port for connecting the software and equipment, and the baud rate should be selected: 115200, to ensure that the connection between the computer port and the USB cable is not loose.If you need laser assistance for tuning, please:

2.Before engraving, please confirm whether each mechanism is loose (synchronous belt, eccentric column of roller, and laser head are loose or shaken)

3.Correctly adjust the focus and confirm that the distance from the end of the laser protective cover to the engraving is Fixed-focus film thickness.

4.LaserGRBL/LightBurn software can refer to the parameter table in the corresponding manual for engraving and cutting of different materials. The engraving of mirror metal requires manual surface blackening treatment.

1.The product complies with relevant standards and regulations. Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.
2.This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
3.Children shall not play with the appliance.
4.This appliance is intended to be used in household and similar applications such as: –Professional Workshop
5.Please use the product according to the intended use, warn of potential injury from misuse.
6.Switch off the appliance and disconnect from supply before changing accessories or approaching parts that move in use.
7.always disconnect the appliance from the supply if it is left unattended and before assembling, disassembling or cleaning.
8.WARNING: Only use the supply unit provided with this appliance.
9.WARNING: Use only an external supply with the following specifications: 100~240VAC.
10.WARNING
Risk of personal injury. Keep hands, hair, clothing, and jewelry away from moving parts and cutting blade during operation.
Do not touch the cutting blade directly. The blade is sharp and may cause cuts.
Disconnect power before cleaning, changing blade, adjusting, or maintaining the machine.
This machine is not intended for use by children or persons with reduced physical, sensory or mental capabilities.
Do not operate the machine if the power cord or plug is damaged.
Place the machine on a stable, flat, and dry surface during use.
Do not expose the machine to water, moisture, or flammable substances.
Use only the power supply and voltage specified on the product label.
Do not block or cover ventilation openings.
Keep the work area clean and well lit.
CAUTION
Use only genuine or recommended blades and accessories.
Do not overload the machine beyond its intended capacity.
Unplug the machine when not in use for an extended period.
Do not pull or force the material during cutting.
IMPORTANT SAFETY INSTRUCTIONS
Read all instructions before using the machine.
Retain this manual for future reference.
Follow all warnings and operating instructions marked on the machine.
Do not use the machine for any purpose other than its intended use.





VEVOR

Upgrade · The Home Creator Way



En référence à
vidéo pédagogique
est essentiel. Fonctionnement du produit
La sécurité peut être compromise si les
méthodes présentées ne sont pas mises
en œuvre ou si les avertissements sont ignorés.

Veuillez scanner le code QR pour
visionner une vidéo expliquant comment l'utiliser.

Version en 8 langues de
le manuel

Graveur laser

Modèle : A7, G3

Version F03-0266-0AA1 : A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



Description du symbole	
	Avertissement -
	
	Danger!
	Avertissement-
	
	Informations relatives à l'élimination :
	Déclaration de la FCC :

Partie 1 : Déclaration de sécurité avant l'installation

Avant d'utiliser la machine de gravure laser, veuillez lire attentivement ce guide de sécurité. Il contient des informations sur les situations nécessitant une attention particulière, ainsi que des avertissements concernant les pratiques dangereuses susceptibles d'endommager l'appareil.
à votre propriété, voire mettre en danger votre sécurité personnelle.

1

2

Remarque : Les méthodes permettant de protéger les personnes des radiations lorsqu'elles se trouvent à l'intérieur du boîtier de protection peuvent inclure des tapis de sol sensibles à la pression, des détecteurs infrarouges, etc.

3

4

5

6

7.

Partie 2 Déclaration de sécurité de l'utilisateur

2.1 Sécurité laser

2.2 Sécurité incendie

2.3 Material safety

Ne pas graver sur des matériaux aux propriétés inconnues. Matériaux Matériaux recommandés : bois, bambou, cuir, plastique, tissu, papier, verre acrylique opaque. Matériaux déconseillés : or, argent, cuivre, aluminium, acrylique transparent et translucide, pierres précieuses, matériaux transparents, matériaux réfléchissants, etc. Si une gravure sur un matériau réfléchissant est nécessaire, il est recommandé d'utiliser un stylo de peinture pour tracer un trait noir afin d'éviter les reflets.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

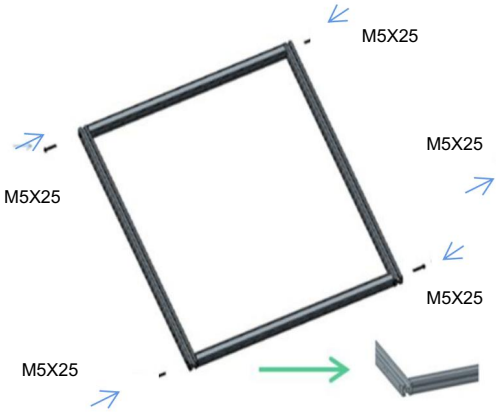
2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

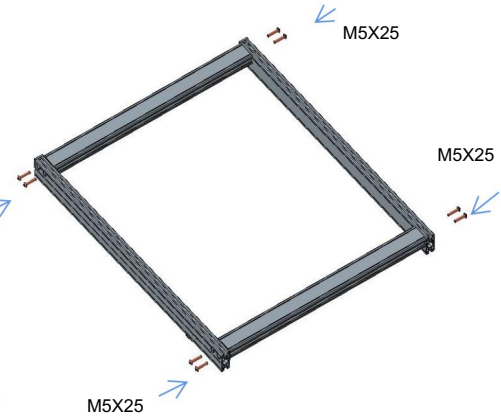
Partie 3 : Clause de non-responsabilité et avertissement

Partie 4 Étapes d'installation

Étape 1 Assembler le cadre

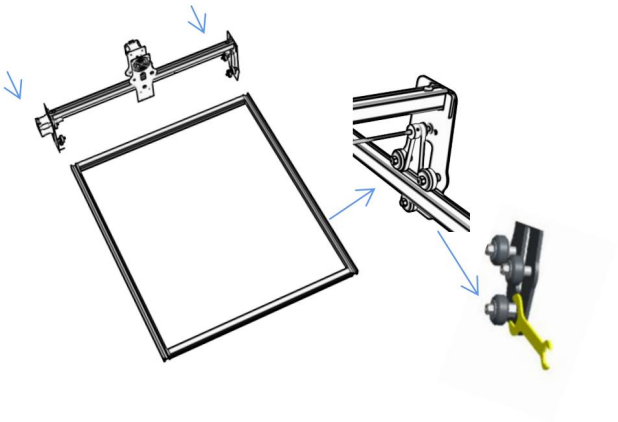


Pour 5W/10W

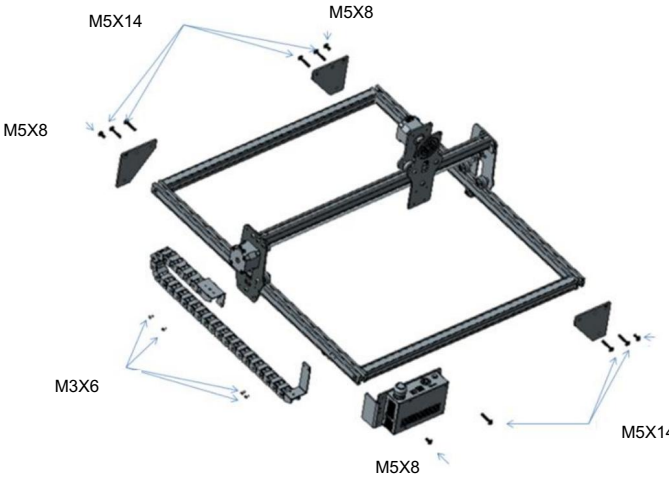


Pour 20 W

Étape 2 : Installer l'assemblage de l'axe X



Étape 3 ▫ Installez la chaîne du réservoir de l'axe Y l'assemblage du pied de support yand

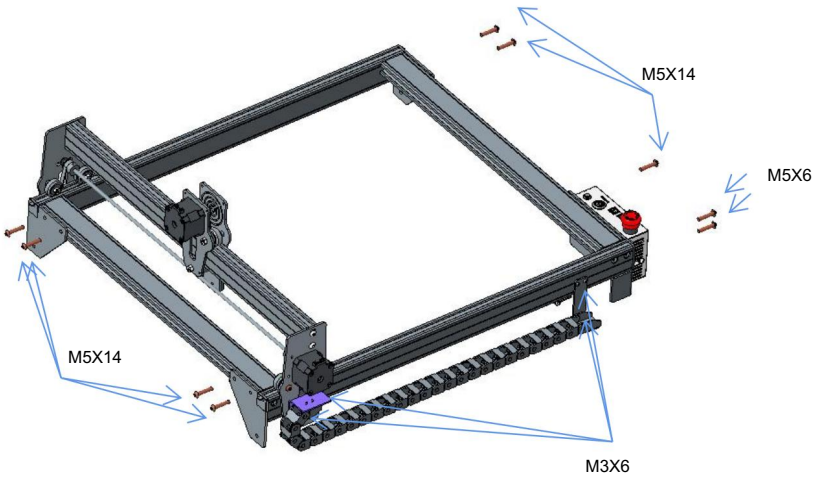


Après le montage, si vous constatez que les quatre pieds sont

Si l'alignement n'est pas correct, veuillez desserrer légèrement les vis des pieds de support. Après avoir positionné les quatre pieds

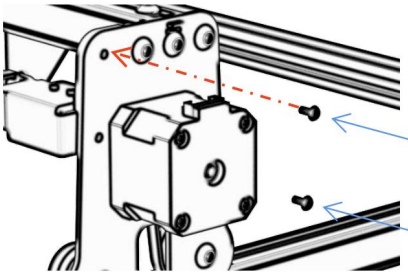
Les vis sont alignées, resserrez-les.

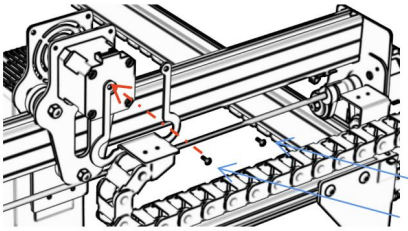
Pour 5W/10W



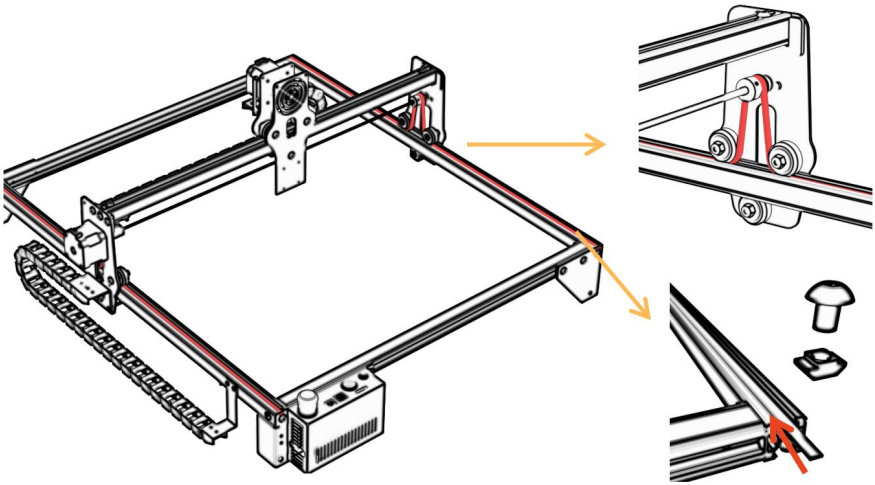
Pour 20 W

Étape 4 : Installez la chaîne du réservoir de l'axe X

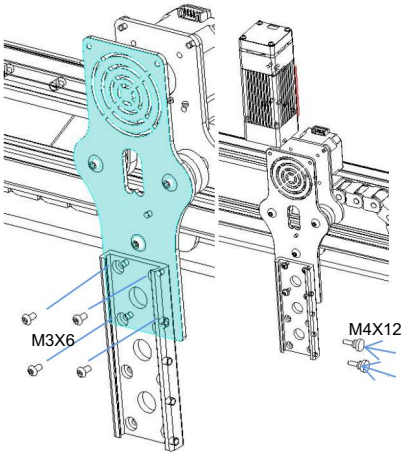




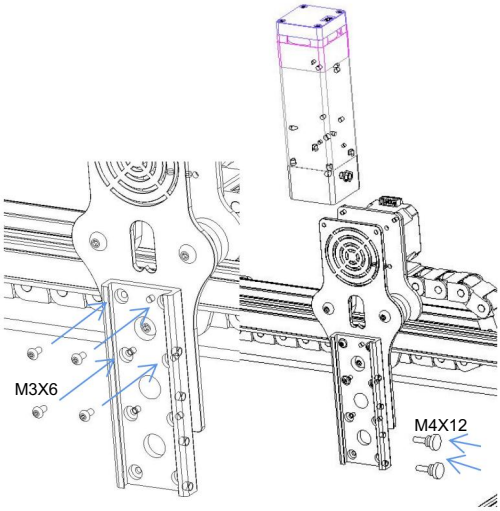
Étape 5 Installation la courroie de distribution



Étape 6.1 Installation du laser (pour les modèles 5 W et 10 W)

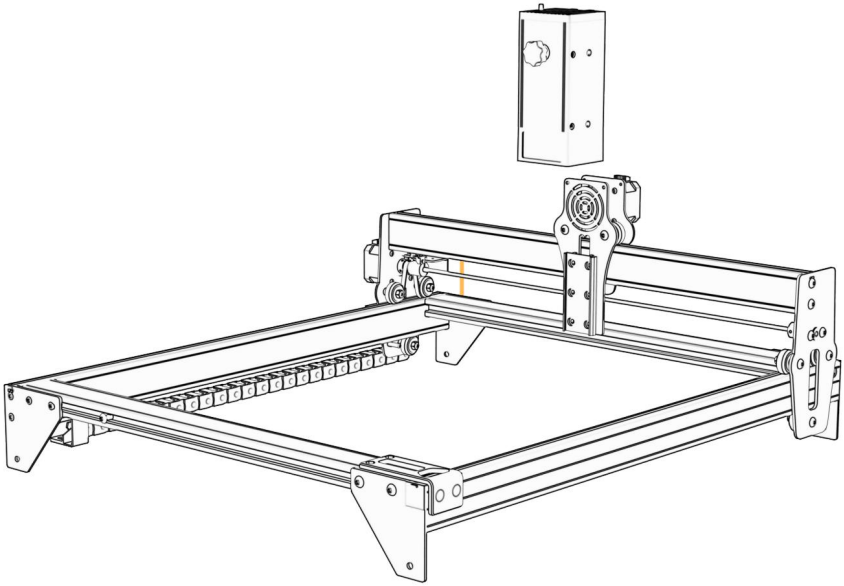


Pour 5W

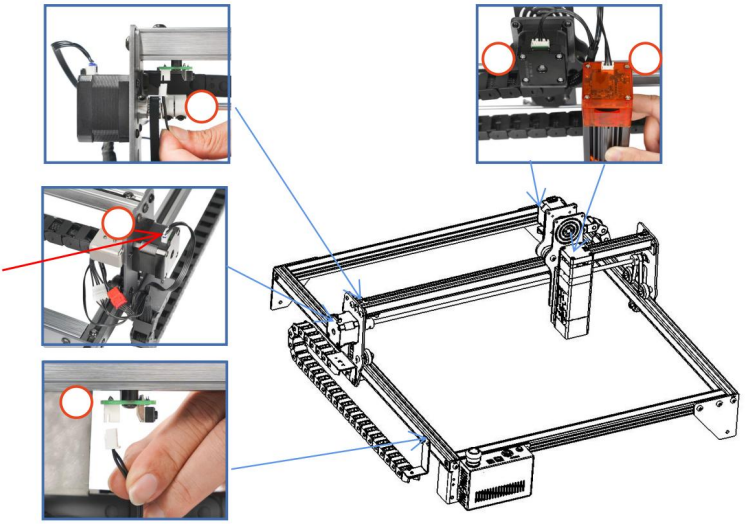


Pour 10 W

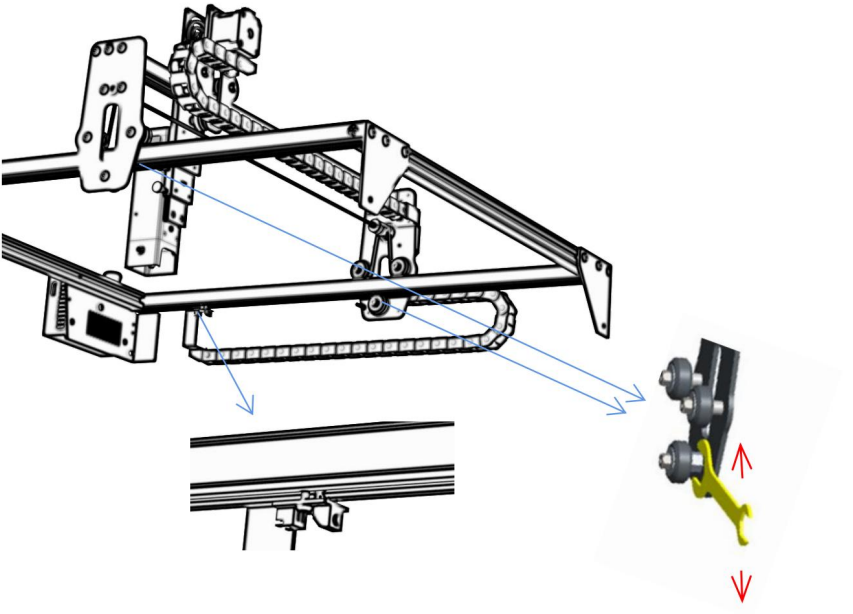
Étape 6.2 Montage laser (pour 20 W)



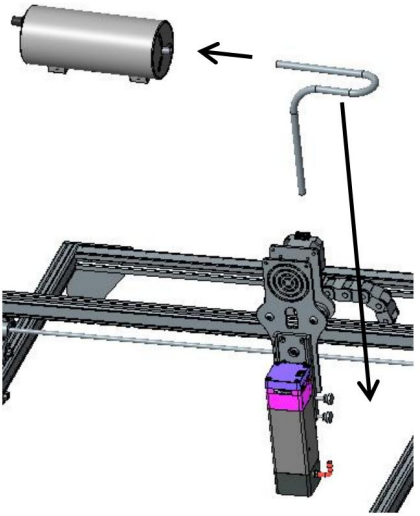
Étape 7 : Installer le câble



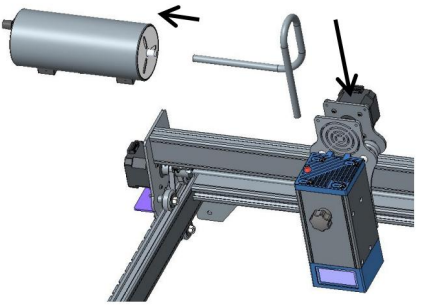
Étape 8 Ajuster la roue excentrique



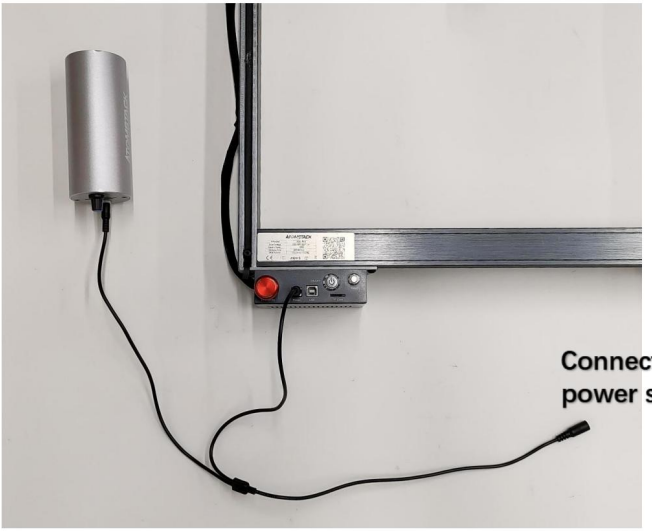
Étape 9 Installation assistée par air (adaptée)
formatage d'airassiste dmodels)



Pour 10 W



Pour 20 W



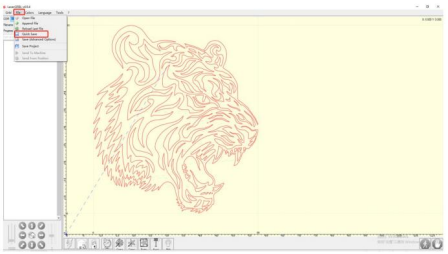
Partie 5 Description du boîtier de commande

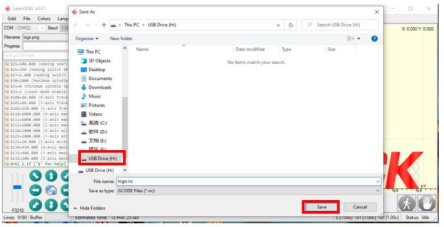


Avant utilisation, veuillez vous assurer que l'interrupteur d'arrêt d'urgence est en position haute.

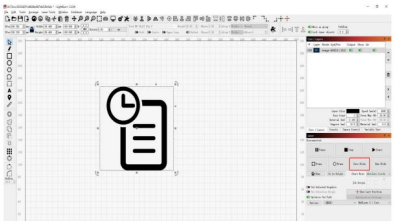
Instructions pour l'exportation des fichiers aux formats nc et gc

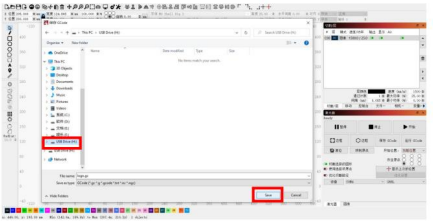
1. Logiciel LaserGRBL





2. Logiciel Lightburn





Partie 6 : Installation et utilisation du logiciel

1. Téléchargement du logiciel LaserGRBL

2. Installation de LaserGRBL

3. Ajout de boutons personnalisés

4. Connectez la machine de gravure laser

5. Réglage des paramètres de gravure

6. Réglage de la mise au point laser

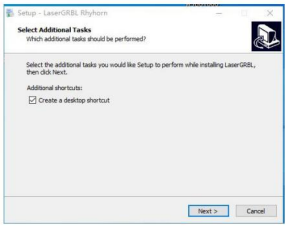
7. Positionnement

8. Début, fin de la sculpture ou de la découpe

9. Tutoriel d'installation de LightBurn

1. Téléchargement du logiciel LaserGRBL

2. Installation de LaserGRBL



1 : LaserGRBL

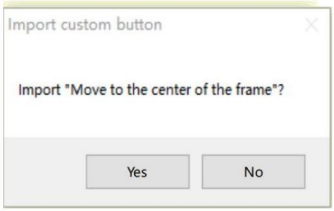
3. Ajout de boutons personnalisés



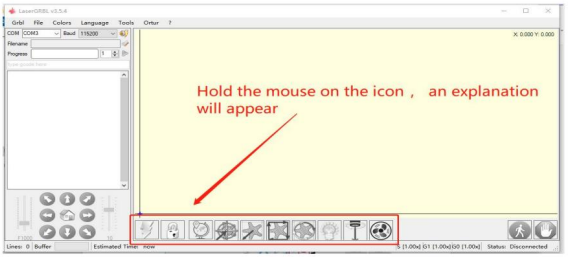
2 :



3 : ajout d'un bouton personnalisé

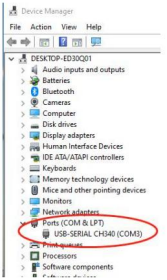


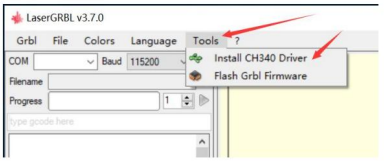
4 :

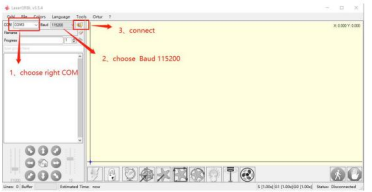


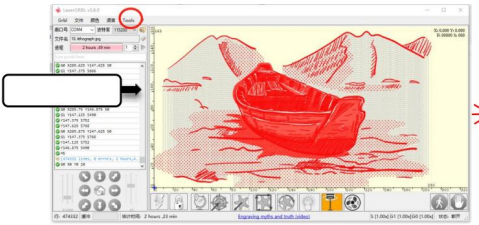
5 :

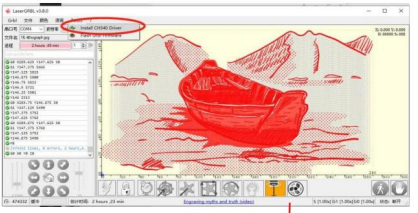
4. Connectez la machine de gravure laser

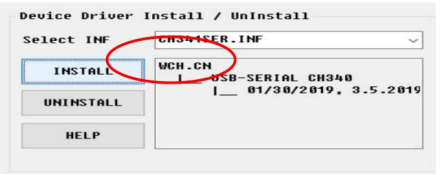



LaserGRBL v3.7.0
Grbl
File
Colors
Language
Tools
?
COM
Baud
115200
Filename
Progress
Install CH340 Driver
Flash Grbl Firmware

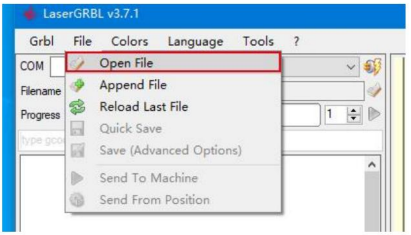

1、choose right COM
2、choose Baud 115200
3、connect



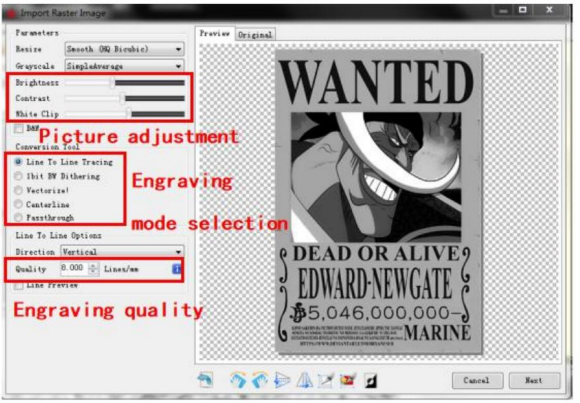


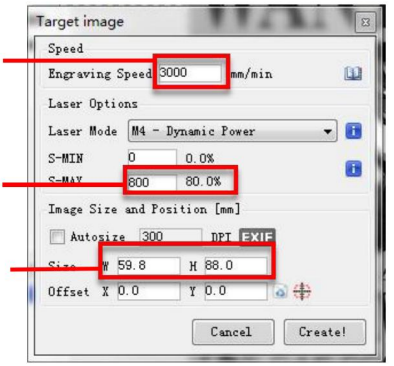

Device Driver Install / UnInstall
Select INF
CH341SER.INF
INSTALL
UNINSTALL
HELP
WCH.CN
USB-SERIAL CH340
01/30/2019, 3.5.2019

5. Réglage des paramètres de gravure

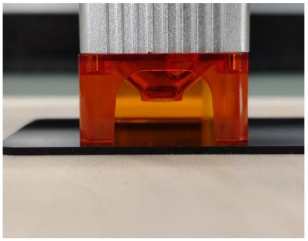


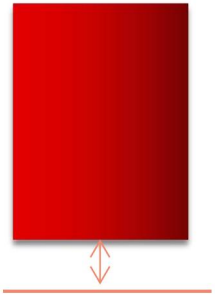
Ouvrir le fichier


Import Raster Image
Parameters
Resize
Smooth (HQ Bicubic)
Grayscale
SimpleAverage
Brightness
Contrast
White Clip
Conversion Tool
Line To Line Tracing
1bit BW Dithering
Vectorize!
Centerline
Passthrough
Line To Line Options
Direction
Vertical
Quality
8.000
Lines/mm
Line Preview
Preview
Original
WANTED
DEAD OR ALIVE
EDWARD·NEWGATE
5,046,000,000-
MARINE
Cancel
Next
Picture adjustment
Engraving
mode selection
Engraving quality

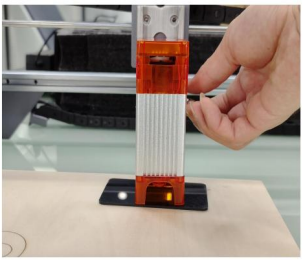

Target image
Speed
Engraving Speed
3000
mm/min
Laser Options
Laser Mode
M4 - Dynamic Power
S-MIN
0
0.0%
S-MAX
800
80.0%
Image Size and Position [mm]
Autosize
300
DPI
EXIF
Size
W
59.8
H
88.0
Offset
X
0.0
Y
0.0
Cancel
Create!

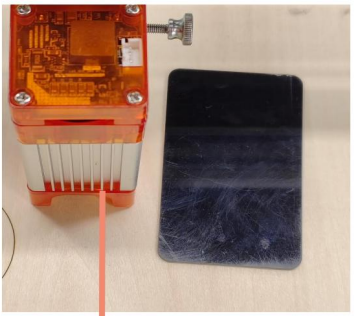
6. Réglage de la mise au point laser

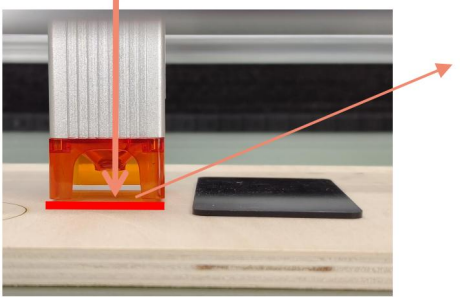




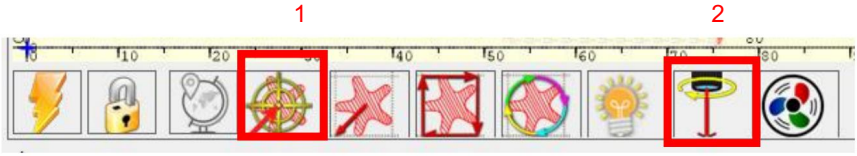
Concentration laser



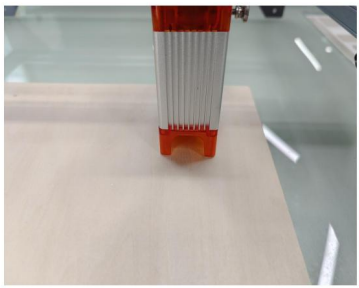


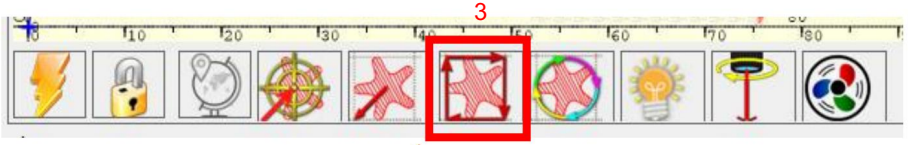


7. Positionnement

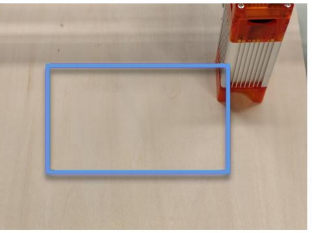




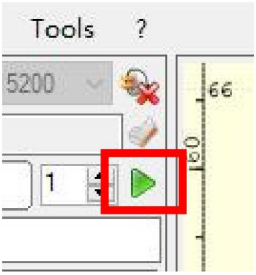


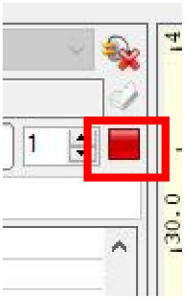

3


ATOMSTACK



8. Début, fin de la sculpture ou de la découpe





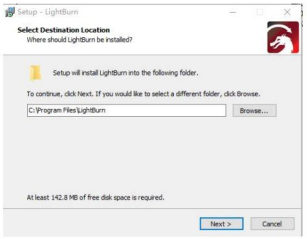
9. Tutoriel d'installation de LightBurn



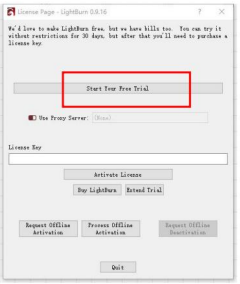
Image 3

LightBurn

Progiciel

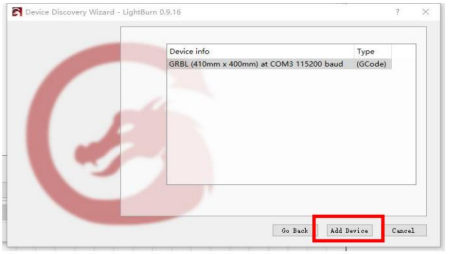


4

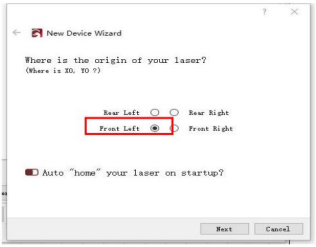




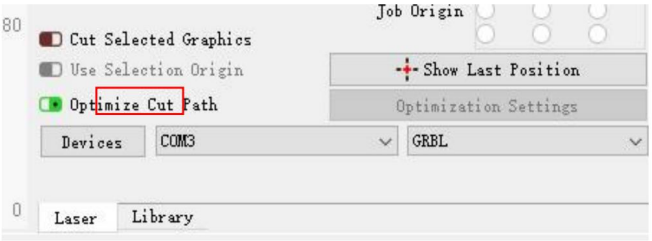
6


Device Discovery Wizard - LightBurn 0.9.16
Device info
Type
GRBL (410mm x 400mm) at COM3 115200 baud
(GCode)
Go Back
Add Device
Cancel

GRBL


New Device Wizard
Where is the origin of your laser?
(Where is X0, Y0 ?)
Rear Left
Rear Right
Front Left
Front Right
Auto "home" your laser on startup?
Next
Cancel

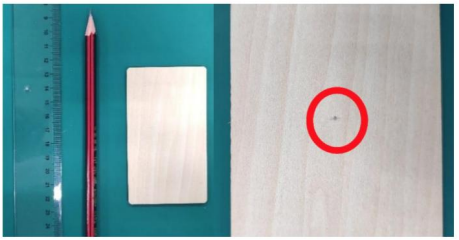
8、


80
Job Origin
Cut Selected Graphics
Use Selection Origin
Show Last Position
Optimize Cut Path
Optimization Settings
Devices
COM3
GRBL
0
Laser
Library

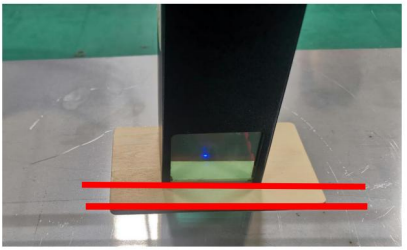
Partie 7 : Techniques d'utilisation des machines

1

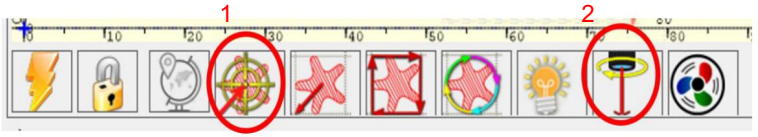
2



1



2



3

Partie 8 : Instructions d'entretien et avertissements

3. Nettoyage du module laser 

Après une période d'utilisation du module laser, il y aura
Des résidus peuvent subsister sur le couvercle de protection, le dissipateur thermique et la tête laser. Il est nécessaire de les nettoyer rapidement afin de ne pas perturber le fonctionnement du module laser. Le pare-brise et le couvercle de protection doivent être retirés avant le nettoyage.

Partie 9 : Liste des accessoires

Partie 10 : Précautions à prendre en cas de problèmes courants

1. Ce produit est conforme aux normes et réglementations en vigueur. Son installation doit respecter toutes les réglementations applicables et son utilisation doit se faire uniquement dans des zones bien ventilées. Veuillez lire attentivement le manuel d'utilisation avant d'installer et d'utiliser cet équipement.

2.Cet appareil n'est pas destiné à être utilisé par des personnes (y compris les enfants) dont les capacités physiques, sensorielles ou mentales sont réduites, ou qui manquent d'expérience et de connaissances, à moins qu'elles n'aient reçu la surveillance ou les instructions concernant l'utilisation de l'appareil de la part d'une personne responsable de leur sécurité.
3. Les enfants ne doivent pas jouer avec l'appareil.
4. Cet appareil est destiné à un usage domestique et à des applications similaires telles que : –Atelier professionnel 5. Veuillez utiliser le produit
conformément à l'usage prévu, attention aux risques de blessures liés à une mauvaise utilisation.

6. Mettez l'appareil hors tension et débranchez-le avant de changer d'accessoires ou d'approcher des pièces mobiles. 7. Débranchez toujours l'appareil s'il est laissé
sans surveillance et avant toute opération de montage, de démontage ou de nettoyage.

8. AVERTISSEMENT : Utilisez uniquement le bloc d'alimentation fourni avec cet appareil.
9. AVERTISSEMENT : Utilisez uniquement une alimentation externe avec les spécifications suivantes : 100~240 VCA.
10.
AVERTISSEMENT Risque de blessure. Gardez vos mains, vos cheveux, vos vêtements et vos bijoux éloignés des pièces mobiles et de la lame de coupe pendant l'utilisation.
Ne touchez pas directement la lame de coupe. Elle est tranchante et peut provoquer des coupures.
Débranchez l'appareil avant de le nettoyer, de changer la lame, de le régler ou d'effectuer son entretien.

Cette machine n'est pas destinée à être utilisée par des enfants ou des personnes ayant des capacités physiques, sensorielles ou mentales réduites.
N’utilisez pas la machine si le cordon d’alimentation ou la prise est endommagé(e).
Placez l'appareil sur une surface stable, plane et sèche pendant son utilisation.
N’exposez pas la machine à l’eau, à l’humidité ou à des substances inflammables.
Utilisez uniquement l'alimentation et la tension spécifiées sur l'étiquette du produit.
Ne pas obstruer ni couvrir les ouvertures de ventilation.
Maintenez la zone de travail propre et bien éclairée.
ATTENTION :
Utilisez uniquement des lames et accessoires d'origine ou recommandés.
Ne surchargez pas la machine au-delà de sa capacité prévue.
Débranchez la machine lorsqu'elle n'est pas utilisée pendant une période prolongée.
Ne tirez pas et ne forcez pas le matériau pendant la découpe.
CONSIGNES DE SÉCURITÉ IMPORTANTES Veuillez
lire toutes les instructions avant d'utiliser la machine.
Conservez ce manuel pour consultation ultérieure.
Respectez tous les avertissements et les instructions de fonctionnement indiqués sur la machine.
N’utilisez pas la machine à d’autres fins que celles pour lesquelles elle a été conçue.



VEVOR

Upgrade · The Home Creator Way

Bezugnehmend auf Lehrvideo ist unerlässlich. Produktbetrieb kann beeinträchtigt werden, wenn die gezeigten Methoden nicht angewendet werden oder Warnungen übersehen werden.

Bitte scannen Sie den QR-Code, um ein Video zur Verwendung anzusehen.

8-sprachige Version von das Handbuch

Lasergravierer

Modell: A7,G3

F03-0266-0AA1 Version: A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



Symbol	Symbolbeschreibung
	**Warnung -**
	
	**Gefahr!**
	**Warnung-**
	
	**Entsorgungshinweise:**
	**FCC-Erklärung:**

Teil 1: Sicherheitshinweise vor der Installation

Bitte lesen Sie diese Sicherheitshinweise vor der Inbetriebnahme der Lasergravurmaschine sorgfältig durch. Sie enthalten Informationen zu Situationen, die besondere Aufmerksamkeit erfordern, sowie Warnungen vor unsicheren Praktiken, die zu

Ihr Eigentum zu gefährden oder gar Ihre persönliche Sicherheit zu beeinträchtigen.

1

2

Hinweis: Zu den Methoden, um Menschen vor Strahlung zu schützen, wenn sie sich innerhalb der Schutzvorrichtung befinden, gehören druckempfindliche Bodenmatten, Infrarotdetektoren usw.

3

4

5

6

7.

Teil 2: Benutzersicherheitserklärung

2.1 Lasersicherheit

2.2 Brandschutz

2.3 Material safety

Materialien mit unbekannten Eigenschaften dürfen nicht graviert werden. Empfohlene Materialien: Holz, Bambus, Leder, Kunststoff, Stoff, Papier, undurchsichtiges Acrylglas. Nicht empfohlene Materialien: Gold, Silber, Kupfer, Aluminium, transparentes und durchscheinendes Acrylglas, Edelsteine, transparente Materialien, reflektierende Materialien usw. Falls reflektierende Materialien graviert werden sollen, empfiehlt es sich, diese mit einem Lackstift schwarz vorzuzeichnen, um Reflexionen zu vermeiden.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

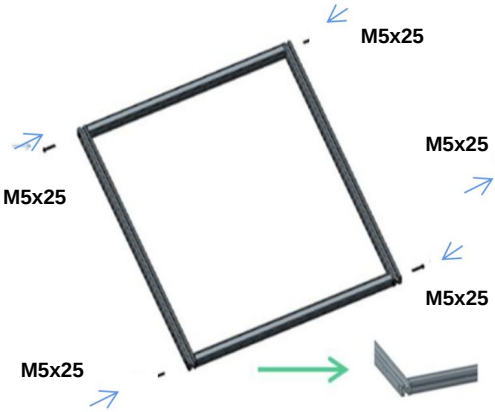
2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

Teil 3: Haftungsausschluss und Warnung

Teil 4 Installationsschritte

Schritt 1: Rahmen zusammenbauen

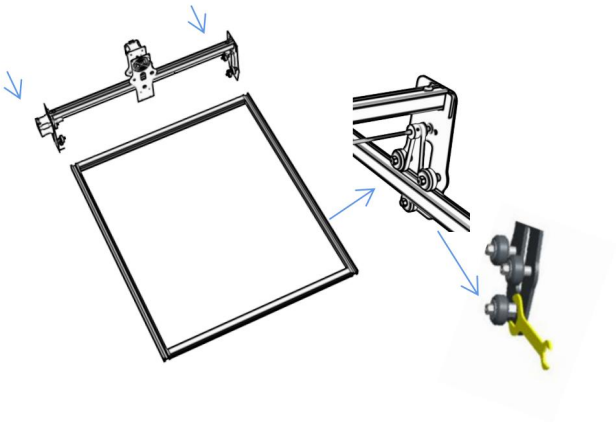


Für 5W/10W

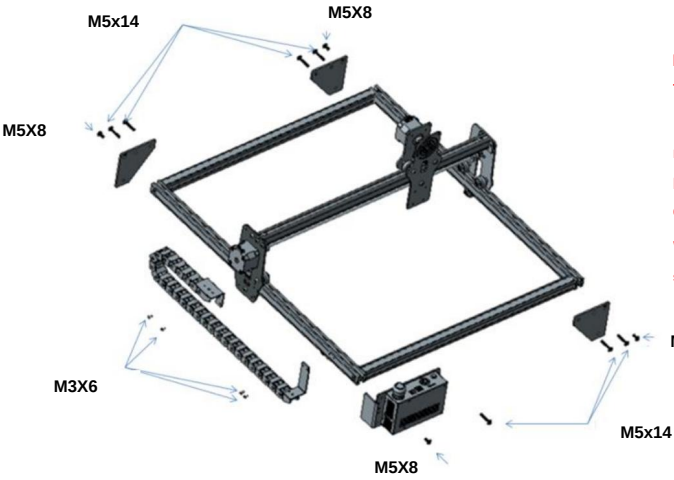


Für 20 W

Schritt 2 Installieren die X-Achsen-Baugruppe



Schritt 3 Installieren die Stützfußbaugruppe und Sie die Y-Achsen-Tankkette

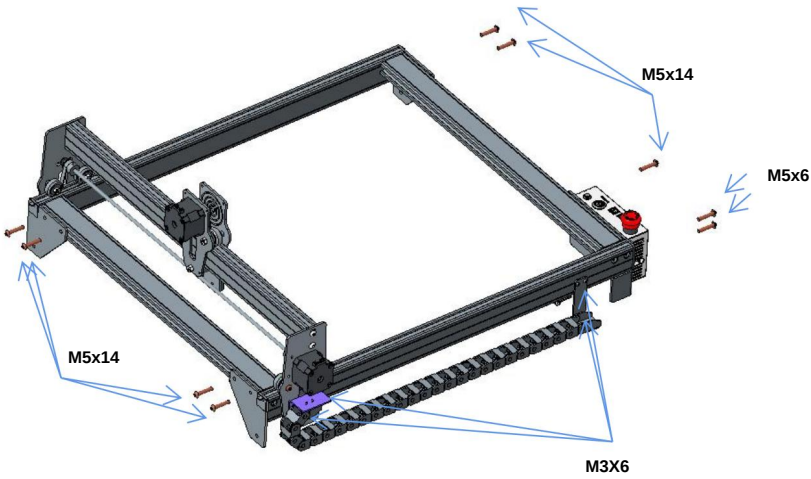


Für 5W/10W

Nach der Montage, falls Sie feststellen, dass die vier Füße

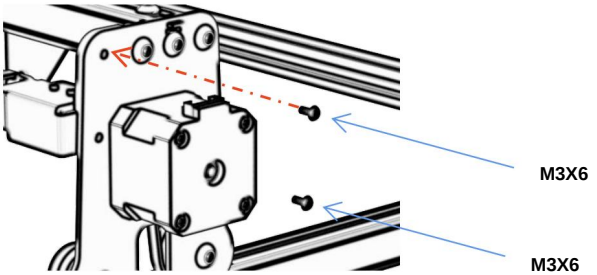
Falls die Füße nicht richtig ausgerichtet sind, lockern Sie bitte die Schrauben der Stützfüße leicht. Nach den vier Füßen

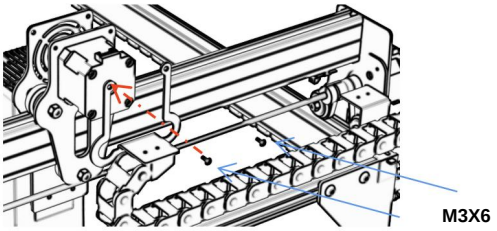
Wenn die Schrauben ausgerichtet sind, ziehen Sie sie wieder fest.



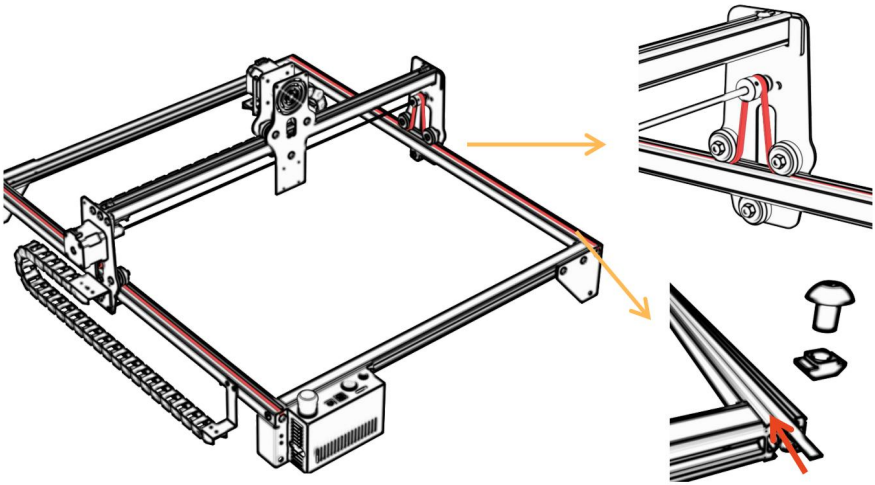
Für 20 W

Schritt 4: Installieren Sie die X-Achsen-Tankkette

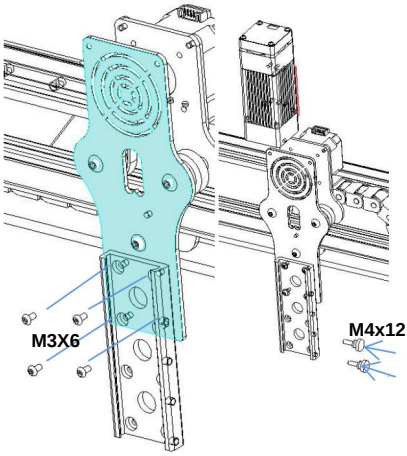




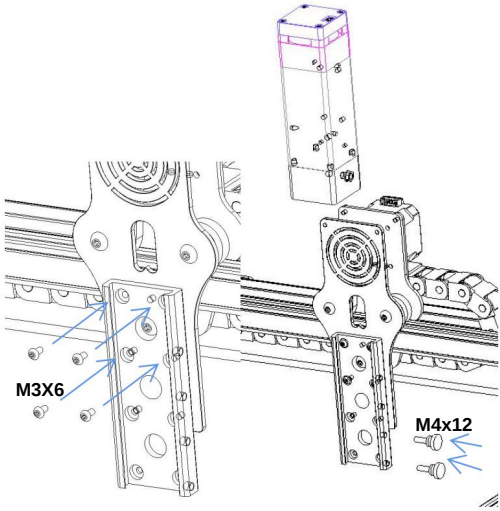
Schritt 5 Installationder Zahnriemen



Schritt 6.1 Schritt 6 Laserinstallation (für 5-W- und 10-W-Modelle)

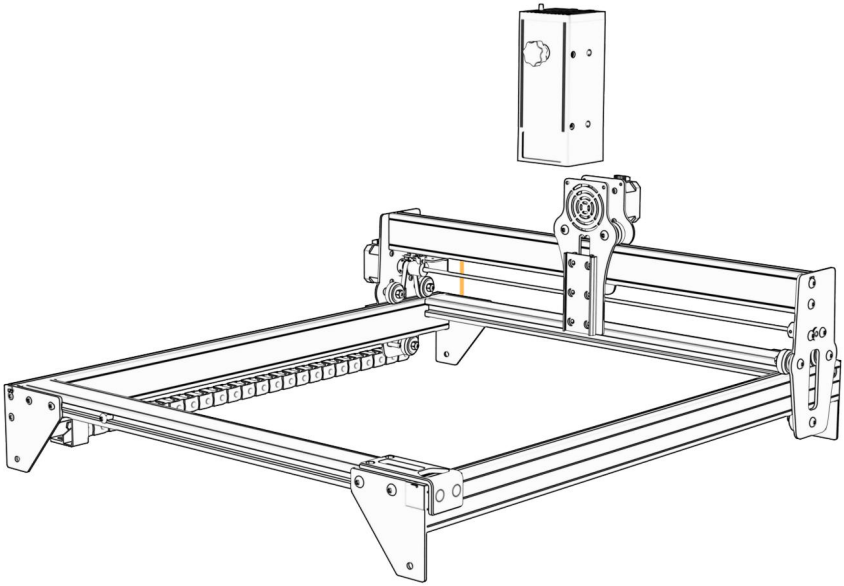


Für 5 W

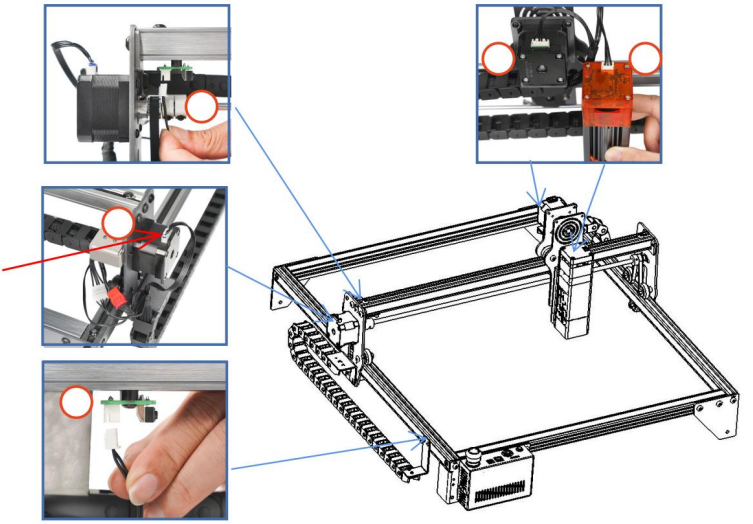


Für 10 W

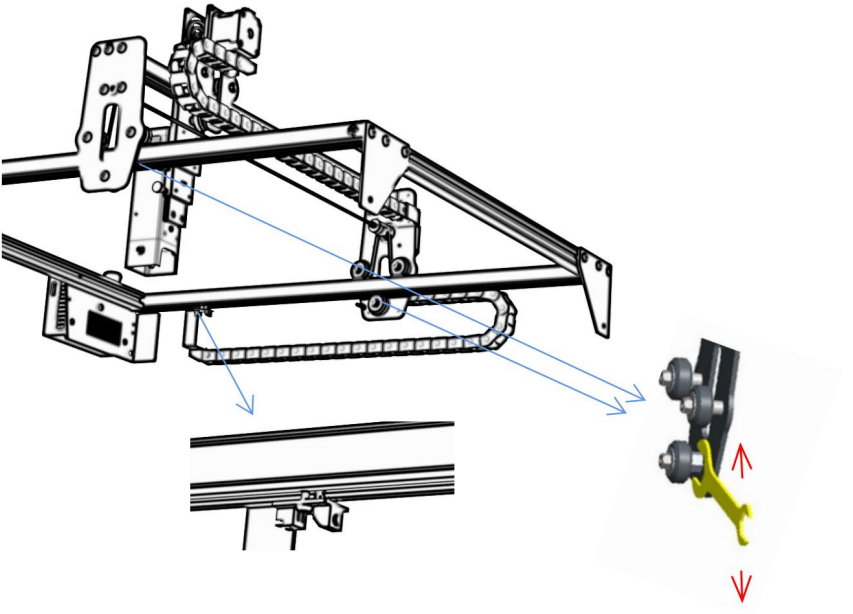
Schritt 6.2 Montage des Lasers (für 20 W)



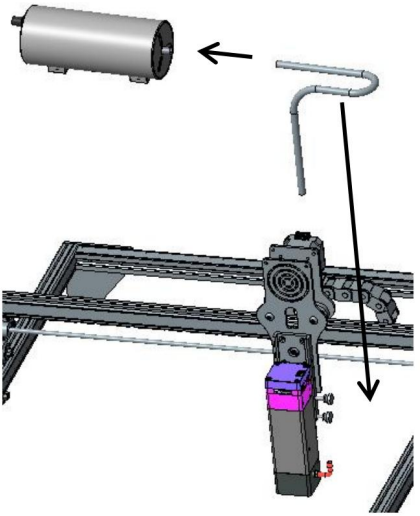
Schritt 7: Kabel installieren



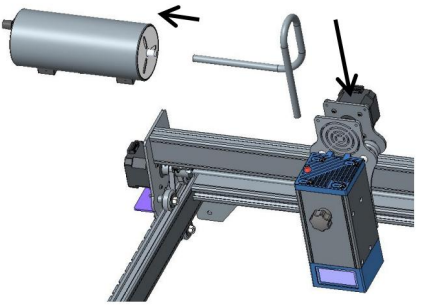
Schritt 8: Das Exzenterrad einstellen



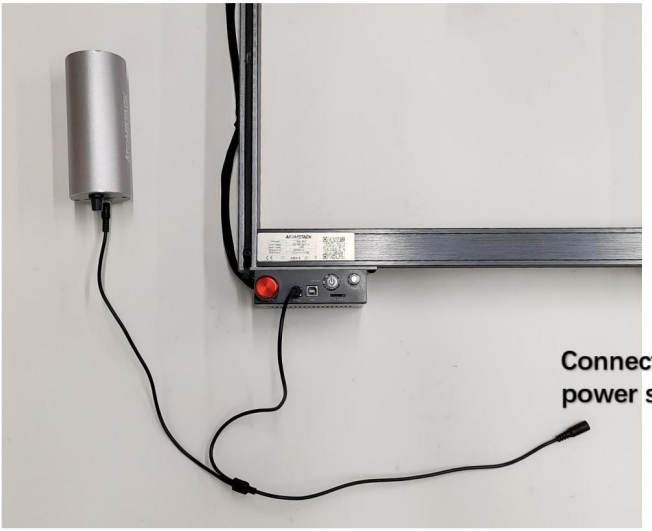
Schritt 9 A irassistedinstallatio n (geeignet formatchingairassiste dmodels)



Für 10 W



Für 20 W



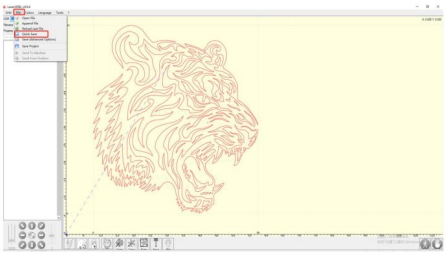
Teil 5 Beschreibung des Steuerkastens

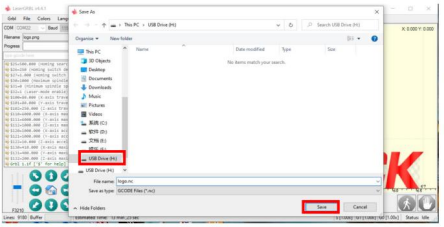


Bitte vergewissern Sie sich vor der Benutzung, dass sich der Not-Aus-Schalter in der oberen Position befindet.

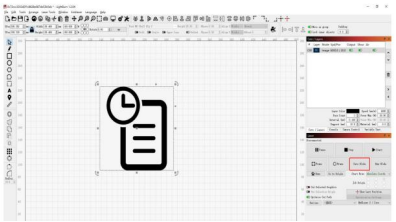
Anleitung zum Exportieren von Dateien im NC- und GC-Format

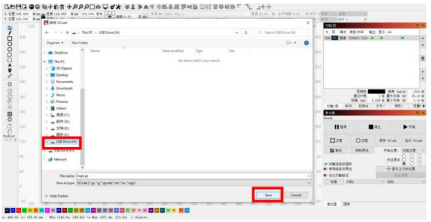
1. LaserGRBL-Software





2. Lightburn-Software





Teil 6: Softwareinstallation und -nutzung

1. Herunterladen der LaserGRBL-Software

2. Installation von LaserGRBL

3. Hinzufügen benutzerdefinierter Schaltflächen

4. Schließen Sie die Lasergravurmaschine an.

5. Einstellen der Gravurparameter

6. Laserfokuseinstellung

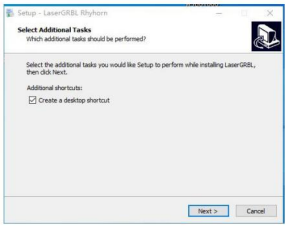
7. Positionierung

8. Beginn, Ende des Schnitzens oder Schneidens

9. LightBurn-Installationsanleitung

1. Herunterladen der LaserGRBL-Software

2. Installation von LaserGRBL



1: LaserGRBL

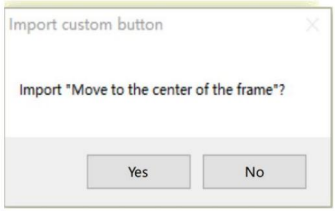
3. Hinzufügen benutzerdefinierter Schaltflächen



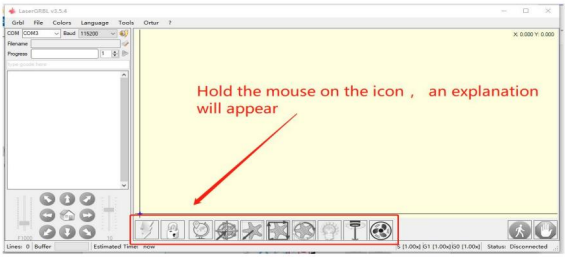
2:



3: Hinzufügen einer benutzerdefinierten Schaltfläche



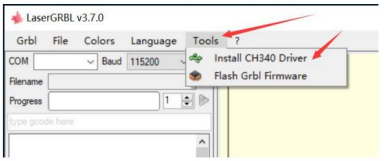
4:

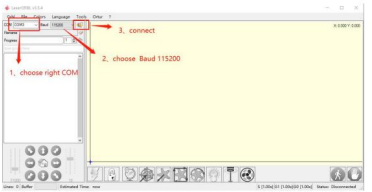


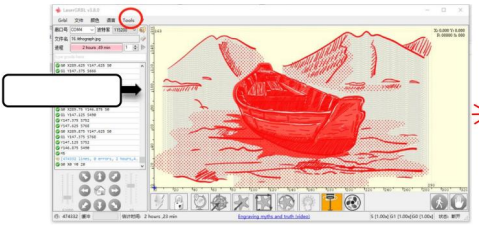
5:

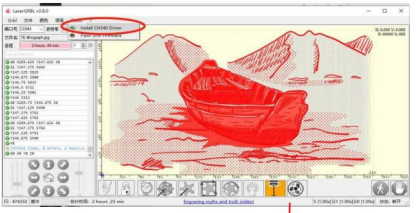
4. Schließen Sie die Lasergravurmaschine an.

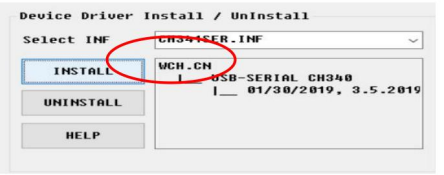



LaserGRBL v3.7.0
Grbl
File
Colors
Language
Tools
?
COM
Baud
115200
Filename
Progress
Install CH340 Driver
Flash Grbl Firmware

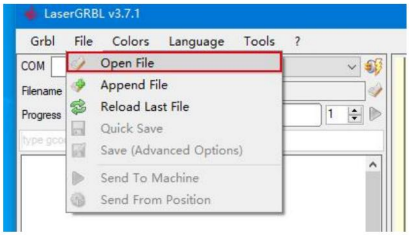

1、choose right COM
2、choose Baud 115200
3、connect



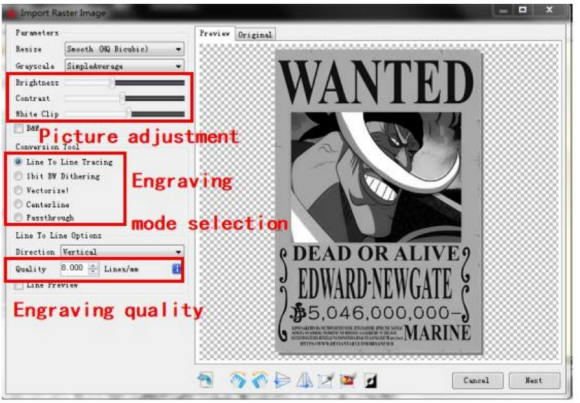


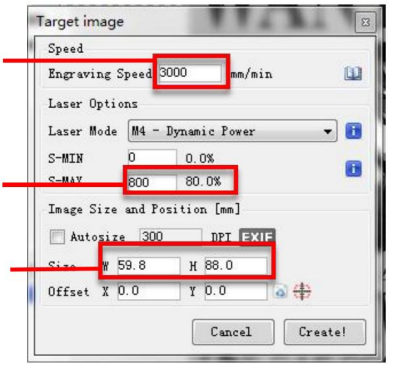

Device Driver Install / UnInstall
Select INF
CH341SER.INF
INSTALL
UNINSTALL
HELP
WCH.CN
USB-SERIAL CH340
01/30/2019, 3.5.2019

5. Einstellen der Gravurparameter

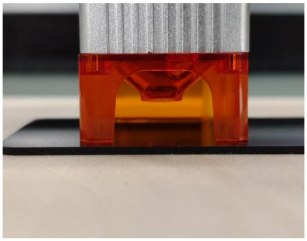


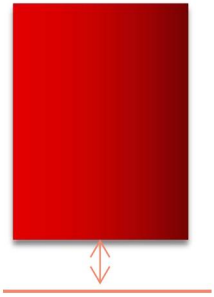
Datei öffnen


Import Raster Image
Parameters
Resize
Smooth (HQ Bicubic)
Grayscale
SimpleAverage
Brightness
Contrast
White Clip
Conversion Tool
Line To Line Tracing
1bit BW Dithering
Vectorize!
Centerline
Passthrough
Line To Line Options
Direction
Vertical
Quality
8.000
Lines/mm
Line Preview
Preview
Original
WANTED
DEAD OR ALIVE
EDWARD·NEWGATE
5,046,000,000-
MARINE
Cancel
Next
Picture adjustment
Engraving
mode selection
Engraving quality

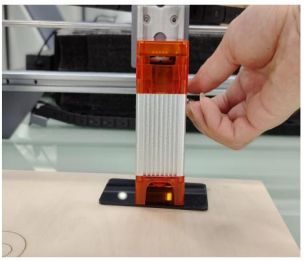

Target image
Speed
Engraving Speed
3000
mm/min
Laser Options
Laser Mode
M4 - Dynamic Power
S-MIN
0
0.0%
S-MAX
800
80.0%
Image Size and Position [mm]
Autosize
300
DPI
EXIF
Size
W
59.8
H
88.0
Offset
X
0.0
Y
0.0
Cancel
Create!

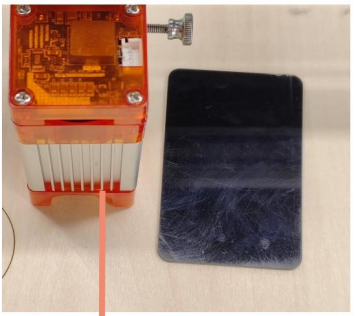
6. Laserfokuseinstellung

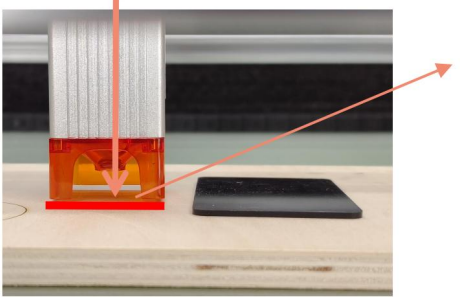




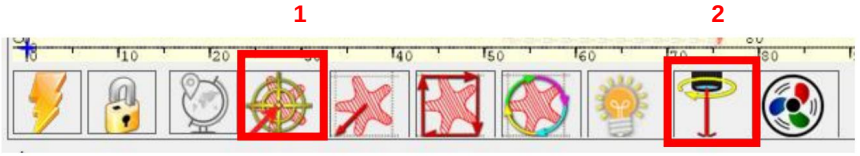
Laserfokus



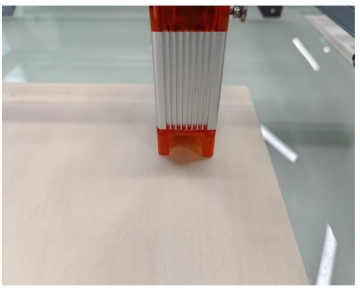


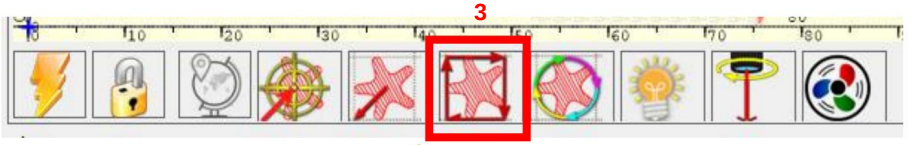


7. Positionierung

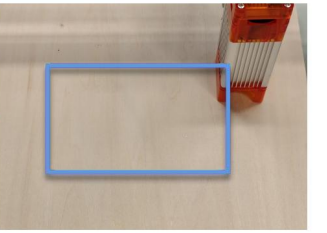




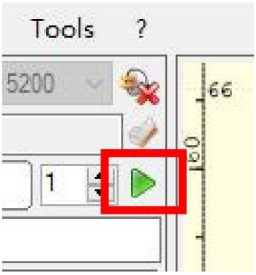


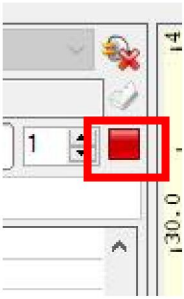

3


ATOMSTACK



8. Beginn, Ende des Schnitzens oder Schneidens

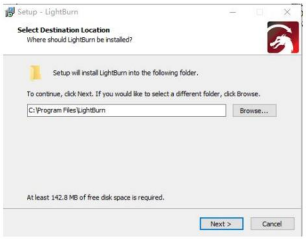




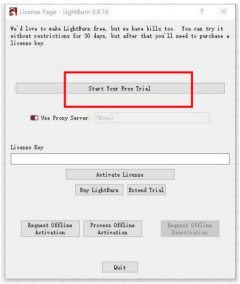
9. LightBurn Installationsanleitung

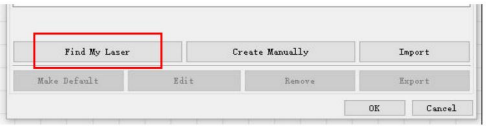


Bild 3
LightBurn Softwarepaket

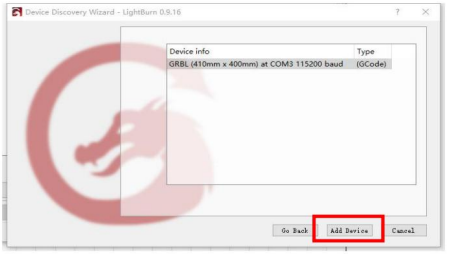


4

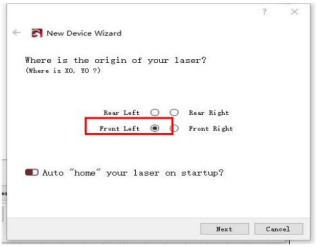




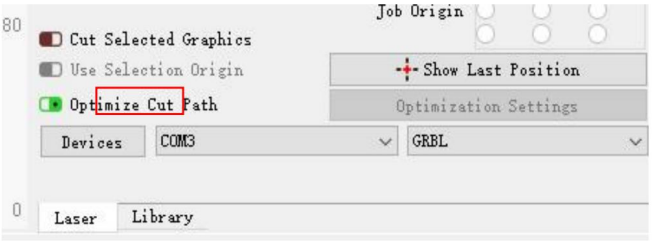
6


Device Discovery Wizard - LightBurn 0.9.16
Device info
Type
GRBL (410mm x 400mm) at COM3 115200 baud
(GCode)
Go Back
Add Device
Cancel

GRBL


New Device Wizard
Where is the origin of your laser?
(Where is X0, Y0 ?)
Rear Left
Rear Right
Front Left
Front Right
Auto "home" your laser on startup?
Next
Cancel

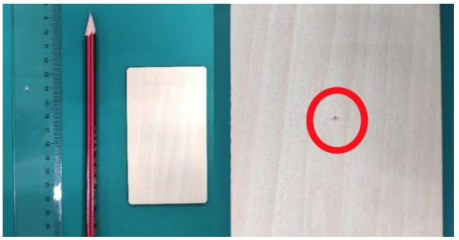
8


80
Job Origin
Cut Selected Graphics
Use Selection Origin
Show Last Position
Optimize Cut Path
Optimization Settings
Devices
COM3
GRBL
0
Laser
Library

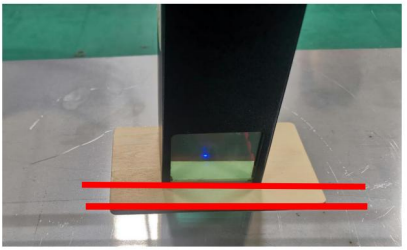
Teil 7: Techniken zur Maschinennutzung

1

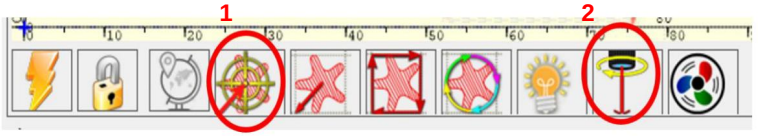
2



1



2



3

Teil 8: Wartungshinweise und Warnungen

3. Reinigung des Lasermoduls



Nach einer gewissen Nutzungsdauer des Lasermoduls wird es An der Schutzabdeckung, dem Kühlkörper und dem Laserkopf können sich Rückstände befinden. Diese müssen umgehend entfernt werden, um die Funktion des Lasermoduls nicht zu beeinträchtigen. Windschutz und Schutzabdeckung müssen vor der Reinigung abgenommen werden.

Teil 9: Zubehörliste

Teil 10: Vorsichtsmaßnahmen für häufige Probleme

1. Das Produkt entspricht den geltenden Normen und Vorschriften. Die Installation dieses Geräts muss allen anwendbaren Vorschriften entsprechen und es darf nur in gut belüfteten Bereichen betrieben werden. Bitte lesen Sie die Bedienungsanleitung vor der Installation und Inbetriebnahme des Geräts.

2. Dieses Gerät ist nicht für die Verwendung durch Personen (einschließlich Kinder) mit eingeschränkten physischen, sensorischen oder geistigen Fähigkeiten oder mangelnder Erfahrung und Kenntnis bestimmt, es sei denn, sie werden von einer für ihre Sicherheit verantwortlichen Person beaufsichtigt oder in die Verwendung des Geräts eingewiesen.

3. Kinder dürfen nicht mit dem Gerät spielen.
4. Dieses Gerät ist für den Einsatz im Haushalt und ähnlichen Anwendungen wie z. B. – Professionelle Werkstatt vorgesehen.
5. Bitte verwenden Sie das Produkt gemäß dem vorgesehenen Verwendungszweck. Wir weisen auf mögliche Verletzungen durch unsachgemäße Verwendung hin.

6. Schalten Sie das Gerät aus und trennen Sie es vom Stromnetz, bevor Sie Zubehörteile wechseln oder sich beweglichen Teilen nähern. 7. Trennen Sie das Gerät immer vom Stromnetz, wenn es unbeaufsichtigt gelassen wird, sowie vor der Montage, Demontage oder Reinigung.

8. WARNUNG: Verwenden Sie ausschließlich das mit diesem Gerät gelieferte Netzteil.
9. WARNUNG: Verwenden Sie ausschließlich ein externes Netzteil mit folgenden Spezifikationen: 100~240VAC.

10. WARNUNG:

Verletzungsgefahr. Halten Sie Hände, Haare, Kleidung und Schmuck während des Betriebs von beweglichen Teilen und der Schneidklinge fern.
Berühren Sie die Schneidklinge nicht direkt. Die Klinge ist scharf und kann Schnittverletzungen verursachen.
Vor der Reinigung, dem Klingenwechsel, der Justierung oder der Wartung der Maschine die Stromzufuhr unterbrechen.

Dieses Gerät ist nicht für die Benutzung durch Kinder oder Personen mit eingeschränkten physischen, sensorischen oder geistigen Fähigkeiten bestimmt.
Das Gerät darf nicht in Betrieb genommen werden, wenn das Netzkabel oder der Stecker beschädigt ist.
Stellen Sie das Gerät während des Gebrauchs auf eine stabile, ebene und trockene Oberfläche.
Setzen Sie die Maschine keinem Wasser, Feuchtigkeit oder brennbaren Stoffen aus.
Verwenden Sie ausschließlich das auf dem Produktetikett angegebene Netzteil und die angegebene Spannung.
Lüftungsöffnungen dürfen nicht blockiert oder abgedeckt werden.
Halten Sie den Arbeitsbereich sauber und gut beleuchtet.
VORSICHT!

Verwenden Sie ausschließlich Originalklingen und empfohlene Zubehörteile.
Überlasten Sie die Maschine nicht über ihre vorgesehene Kapazität hinaus.
Ziehen Sie den Netzstecker, wenn das Gerät längere Zeit nicht benutzt wird.
Das Material darf beim Schneiden nicht gezogen oder mit Gewalt bewegt werden.
WICHTIGE SICHERHEITSHINWEISE Lesen Sie alle

Anweisungen, bevor Sie die Maschine benutzen.
Bewahren Sie dieses Handbuch zum späteren Nachschlagen auf.

Beachten Sie alle auf der Maschine angebrachten Warnhinweise und Bedienungsanweisungen.
Verwenden Sie die Maschine ausschließlich für den vorgesehenen Zweck.



VEVOR

Upgrade · The Home Creator Way

Facendo riferimento al video didattico è essenziale. Funzionamento del prodotto La sicurezza potrebbe essere compromessa se i metodi indicati non vengono implementati o se gli avvertimenti vengono ignorati.

Scansiona il codice QR per visualizzare un video che spiega come utilizzarlo.

Versione in 8 lingue di il manuale

Incisore laser

Modello: A7,G3

F03-0266-0AA1 Versione: A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



Simbolo	Descrizione del simbolo
	**Avvertimento -**
	
	**Pericolo!**
	**Avvertimento-**
	
	**Informazioni sullo smaltimento:**
	**Dichiarazione della FCC:**

Parte 1: Dichiarazione di sicurezza prima dell'installazione

Prima di utilizzare la macchina per incisione laser, leggere attentamente questa guida di sicurezza. Contiene informazioni su situazioni che richiedono particolare attenzione, nonché avvertenze su pratiche non sicure che possono causare danni.
alla tua proprietà o addirittura mettere in pericolo la tua sicurezza personale.
1

2

Nota: i metodi per proteggere le persone dalle radiazioni quando si trovano all'interno dell'involucro protettivo possono includere tappetini sensibili alla pressione, rilevatori a infrarossi, ecc.

3

4

5

6

7.

Parte 2 Dichiarazione sulla sicurezza dell'utente

2.1 Sicurezza laser

2.2 Sicurezza antincendio

2.3 Material safety

Non incidere materiali con proprietà sconosciute. Materiali
Materiali consigliati: legno, bambù, cuoio, plastica, tessuto, carta, vetro acrilico opaco. Materiali sconsigliati: oro, argento, rame, alluminio, acrilico trasparente e traslucido, pietre preziose, materiali trasparenti, materiali riflettenti, ecc. Se è necessario incidere materiali riflettenti, si consiglia di utilizzare un pennarello per dipingere di nero ed evitare riflessi.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

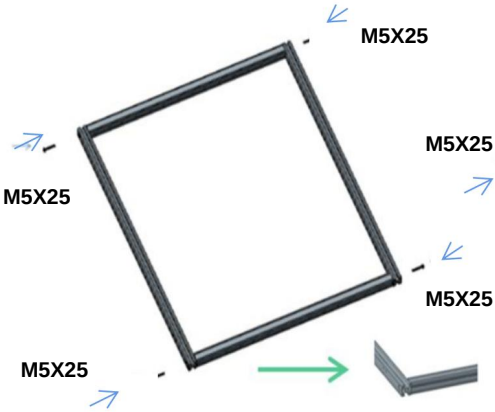
2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

Parte 3: Dichiarazione di non responsabilità e avvertenze

Parte 4 Fasi di installazione

Passaggio 1 Assemblare la struttura

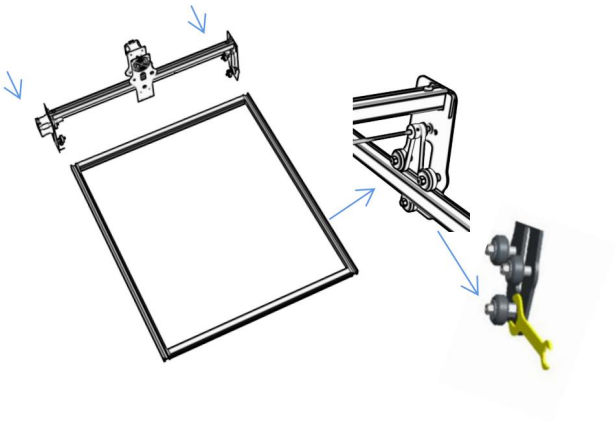


Per 5W/10W

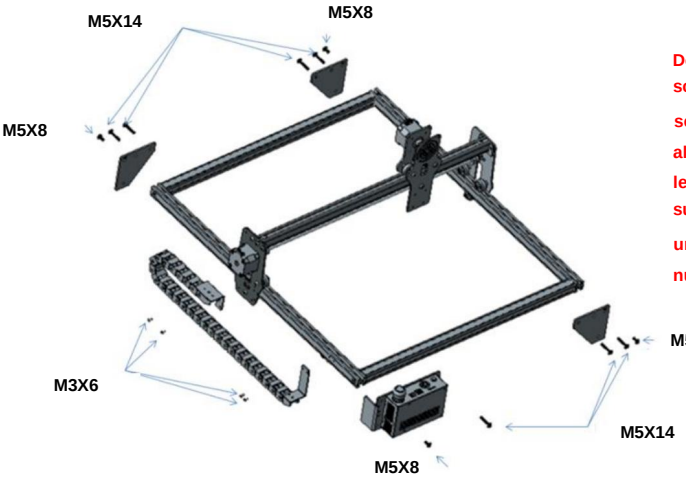


Per 20W

Fase 2 Installa il gruppo dell'asse X

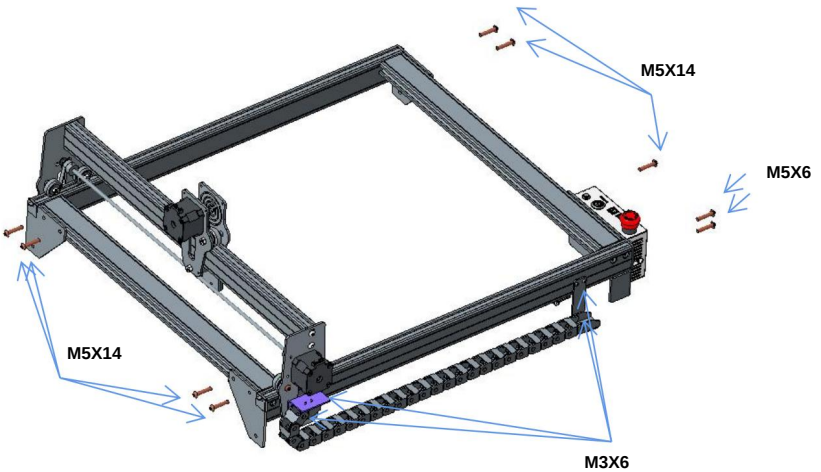


Passo 3 ： Installare il gruppo piedi di supporto e la catena del serbatoio sull'asse Y



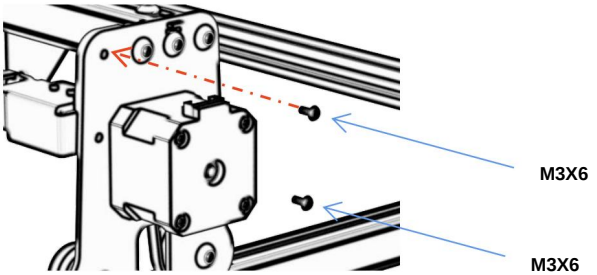
Per 5W/10W

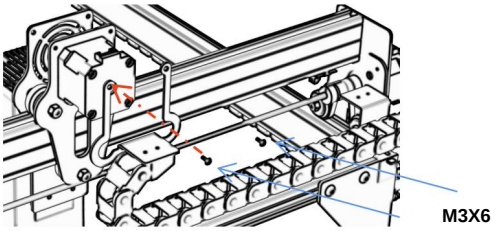
Dopo il montaggio, se scopri che i quattro piedi sono se non allineati, allentare leggermente le viti dei piedini di supporto. Dopo i quattro piedini una volta allineate, stringere nuovamente le viti.



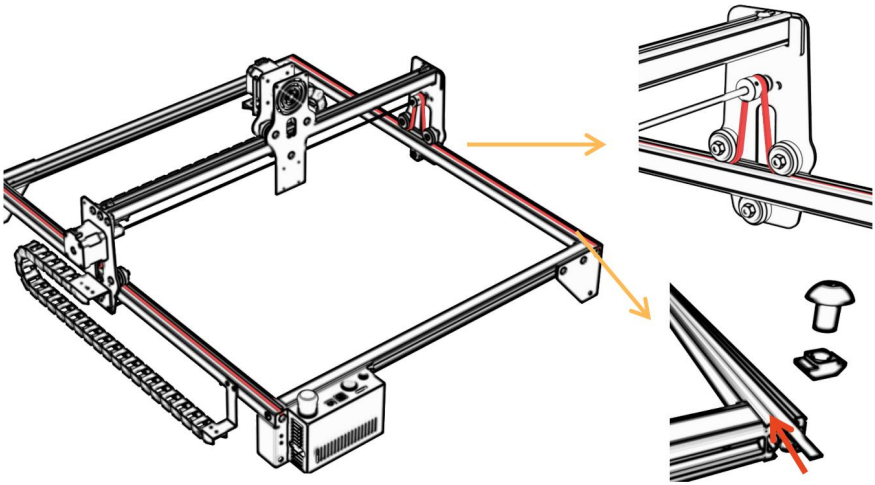
Per 20W

Passaggio 4 Installare la catena del serbatoio dell'asse X

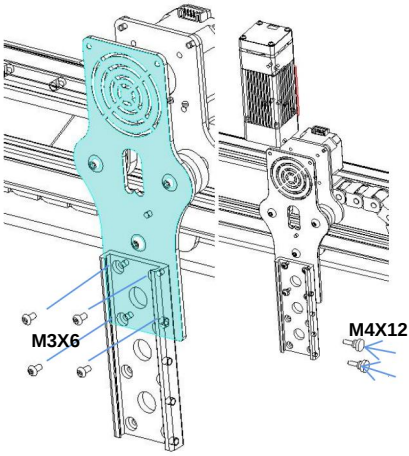




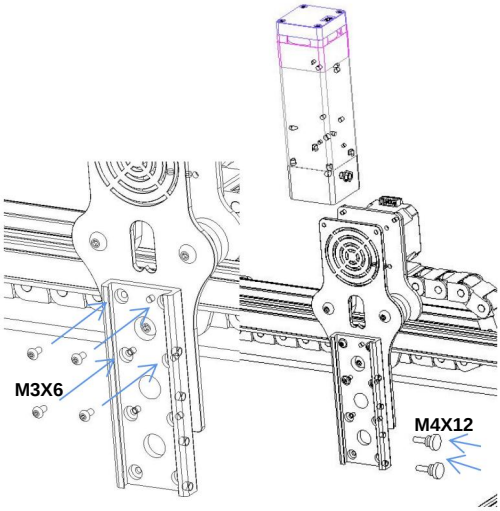
Passaggio 5 Installazione la cinghia di distribuzione



Fase 6.1 Fase 6 Installazione del laser (per modelli da 5 W e 10 W)

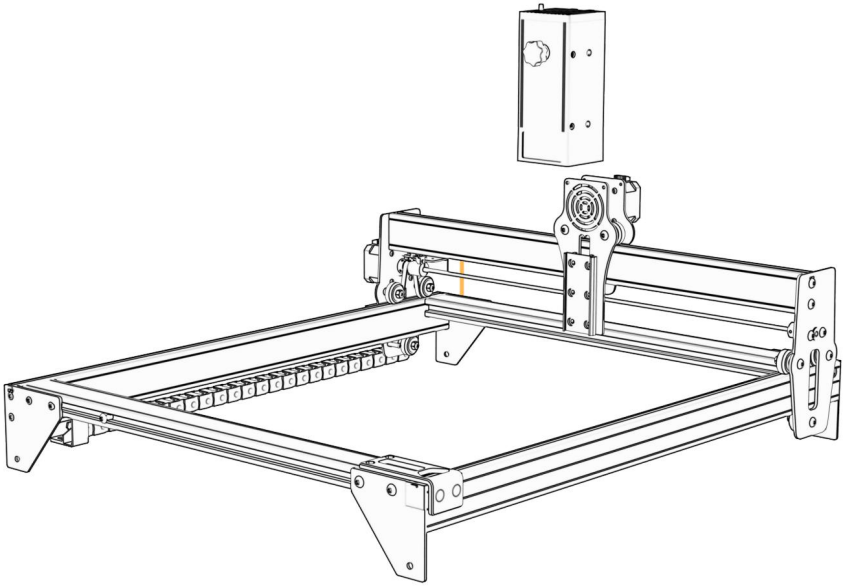


Per 5W

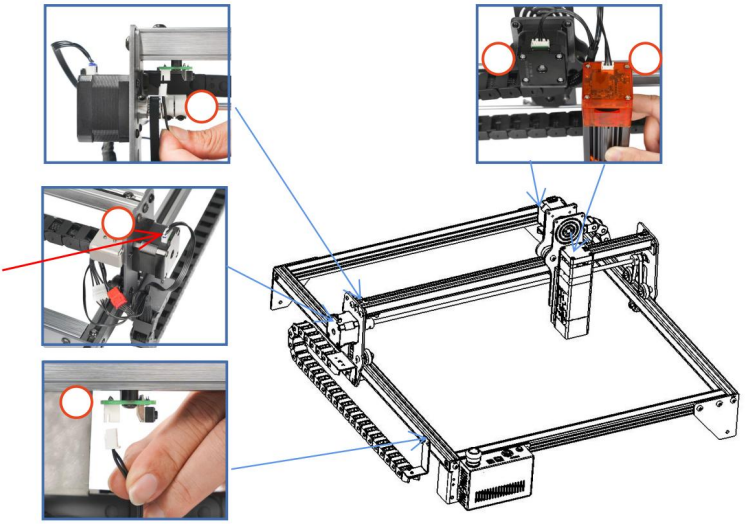


Per 10W

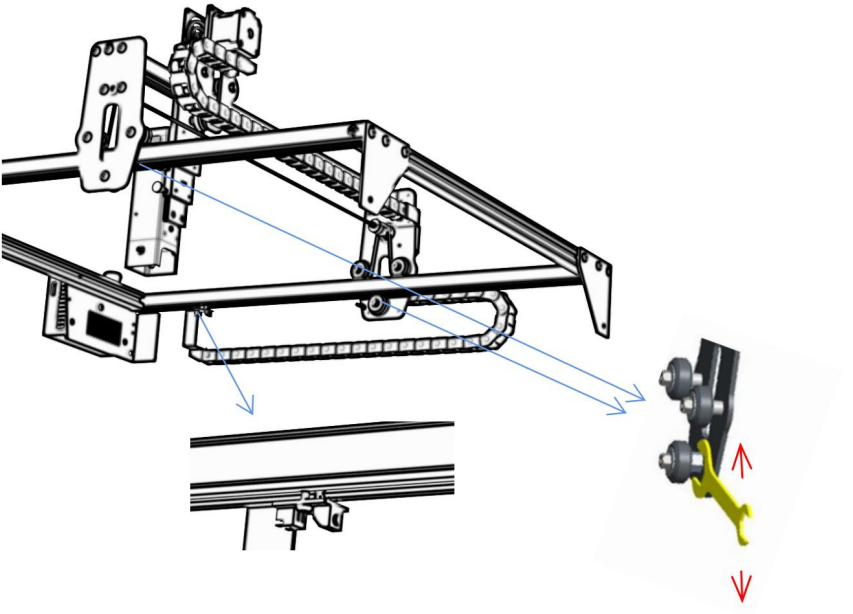
Passaggio 6.2 Montaggio del laser (per 20 W)



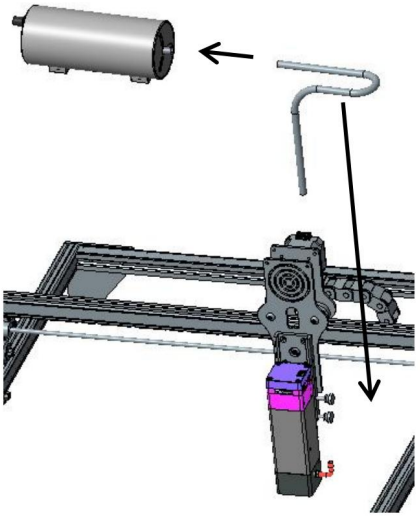
Passaggio 7 Installare il cavo



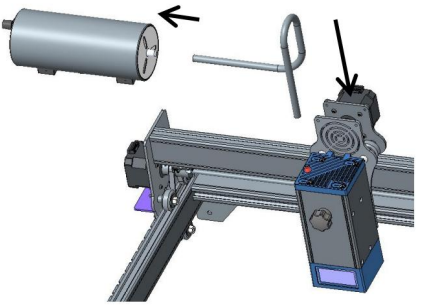
Passaggio 8 Regolare la ruota eccentrica



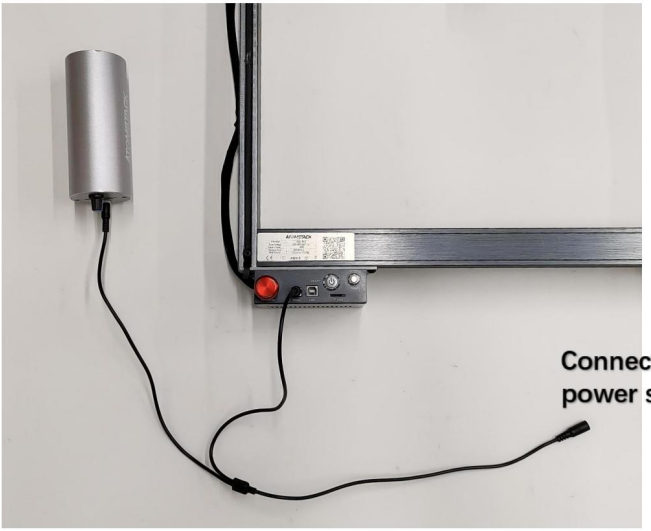
Passaggio 9 Installazione assistita (adatta) formattazione airassiste dmodels)



Per 10W



Per 20W



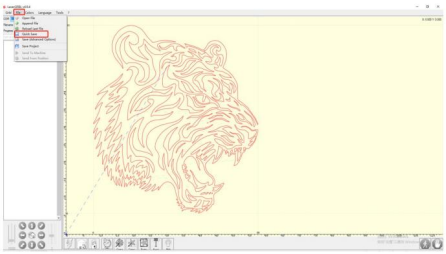
Parte 5 Descrizione della scatola di controllo

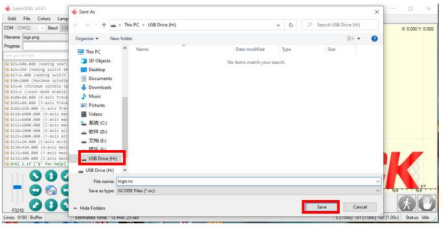


Prima dell'uso, assicurarsi che l'interruttore di arresto di emergenza sia in posizione sollevata.

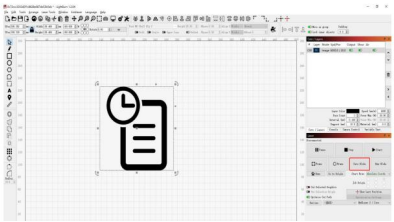
Istruzioni per l'esportazione di file in formato nc e gc

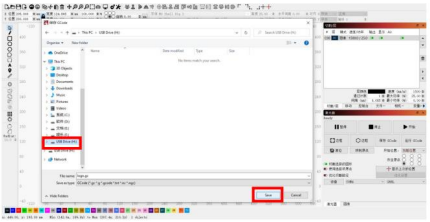
1. Software LaserGRBL





2. Software Lightburn





Parte 6: Installazione e utilizzo del software

1. Download del software LaserGRBL

2. Installazione di LaserGRBL

3. Aggiunta di pulsanti personalizzati

4. Collegare la macchina per incisione laser

5. Impostazione dei parametri di incisione

6. Regolazione della messa a fuoco del laser

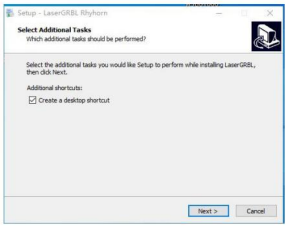
7. Posizionamento

8. Inizio, fine dell'incisione o del taglio

9. Tutorial di installazione di LightBurn

1. Download del software LaserGRBL

2. Installazione di LaserGRBL



1: LaserGRBL

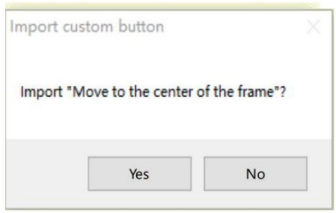
3. Aggiunta di pulsanti personalizzati



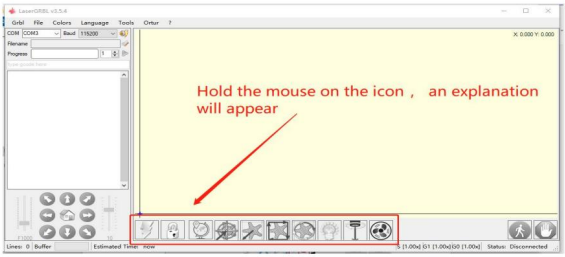
2:



3: aggiunta di un pulsante personalizzato



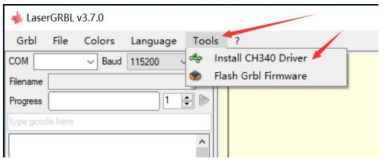
4:

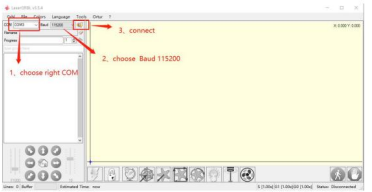


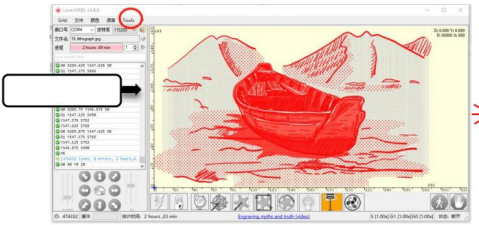
5:

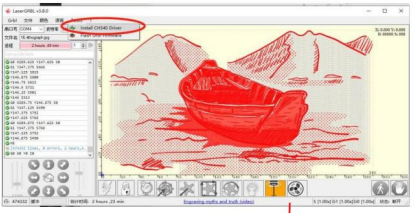
4. Collegare la macchina per incisione laser

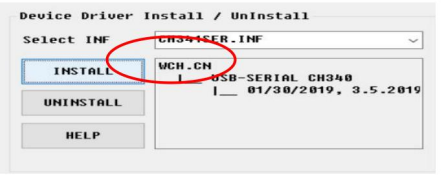



LaserGRBL v3.7.0
Grbl
File
Colors
Language
Tools
?
COM
Baud
115200
Filename
Progress
Install CH340 Driver
Flash Grbl Firmware

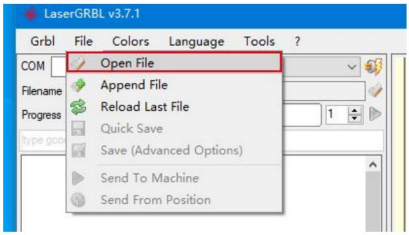

1、choose right COM
2、choose Baud 115200
3、connect



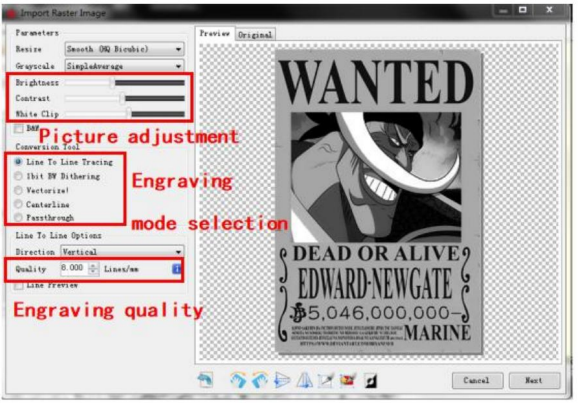


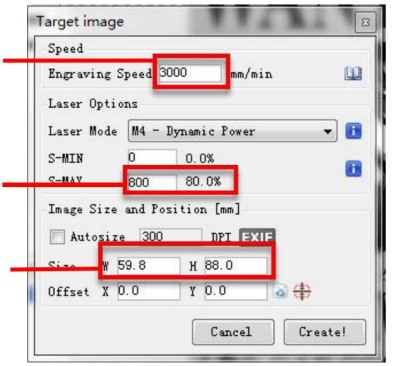

Device Driver Install / UnInstall
Select INF
CH341SER.INF
INSTALL
UNINSTALL
HELP
WCH.CN
USB-SERIAL CH340
01/30/2019, 3.5.2019

5. Impostazione dei parametri di incisione

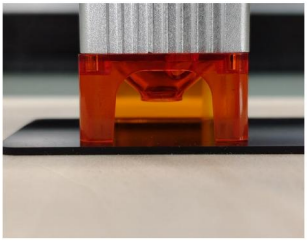


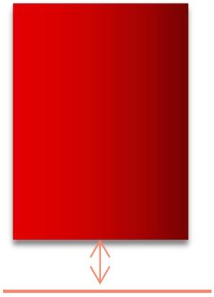
Apri il file


Import Raster Image
Parameters
Resize
Smooth (HQ Bicubic)
Grayscale
SimpleAverage
Brightness
Contrast
White Clip
Conversion Tool
Line To Line Tracing
1bit BW Dithering
Vectorize!
Centerline
Passthrough
Line To Line Options
Direction
Vertical
Quality
8.000
Lines/mm
Line Preview
Preview
Original
WANTED
DEAD OR ALIVE
EDWARD·NEWGATE
5,046,000,000-
MARINE
Cancel
Next
Picture adjustment
Engraving
mode selection
Engraving quality

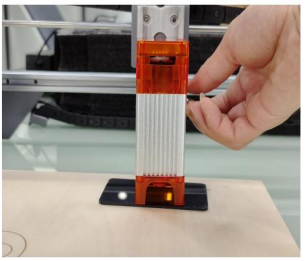

Target image
Speed
Engraving Speed
3000
mm/min
Laser Options
Laser Mode
M4 - Dynamic Power
S-MIN
0
0.0%
S-MAX
800
80.0%
Image Size and Position [mm]
Autosize
300
DPI
EXIF
Size
W
59.8
H
88.0
Offset
X
0.0
Y
0.0
Cancel
Create!

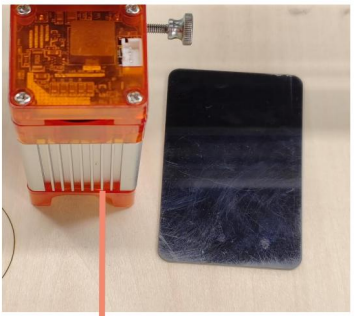
6. Regolazione della messa a fuoco del laser

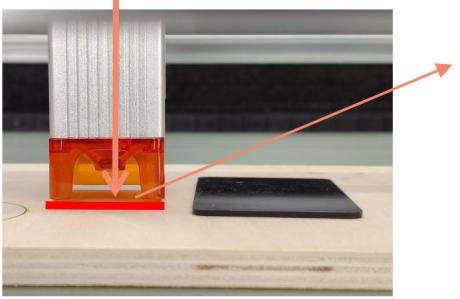




Messa a fuoco laser

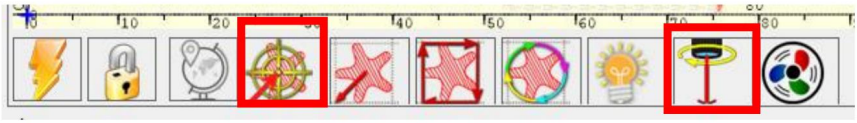




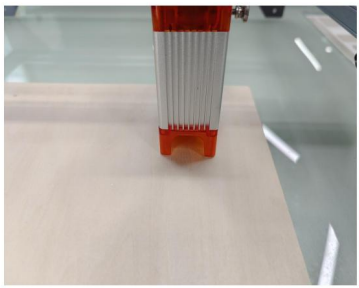


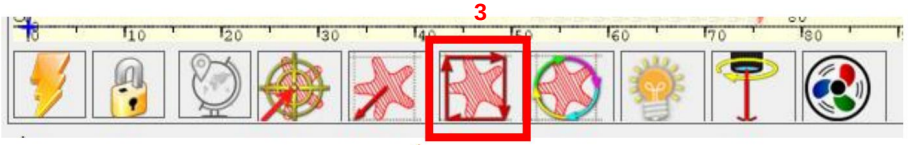
7. Posizionamento

1 2

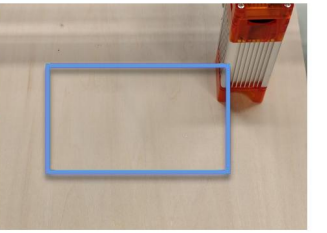




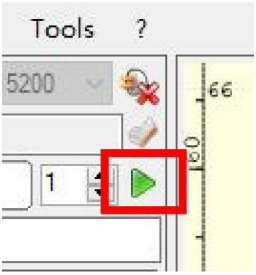


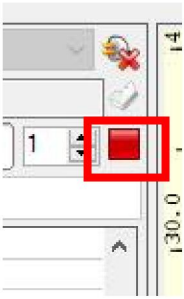

3


ATOMSTACK



8. Inizio, fine dell'incisione o del taglio



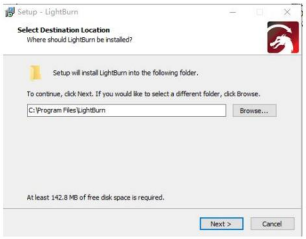


9. Tutorial di installazione di LightBurn



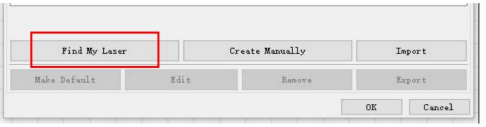
Immagine 3

LightBurn
Pacchetto software

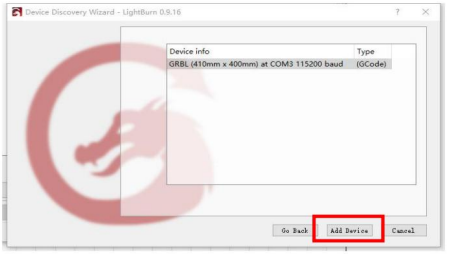


4

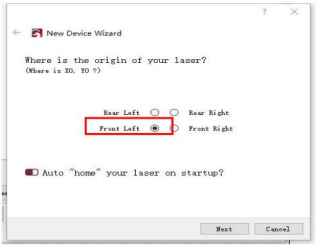




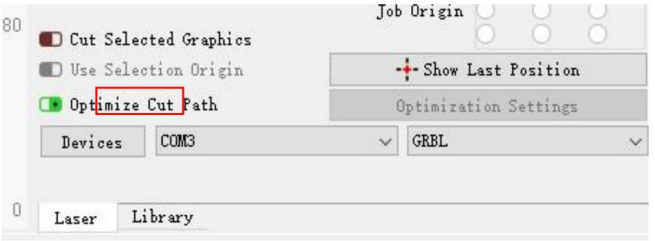
6


Device Discovery Wizard - LightBurn 0.9.16
Device info
Type
GRBL (410mm x 400mm) at COM3 115200 baud
(GCode)
Go Back
Add Device
Cancel

GRBL


New Device Wizard
Where is the origin of your laser?
(Where is X0, Y0 ?)
Rear Left
Rear Right
Front Left
Front Right
Auto "home" your laser on startup?
Next
Cancel

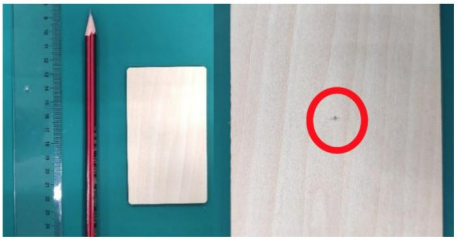
8


80
Job Origin
Cut Selected Graphics
Use Selection Origin
Show Last Position
Optimize Cut Path
Optimization Settings
Devices
COM3
GRBL
0
Laser
Library

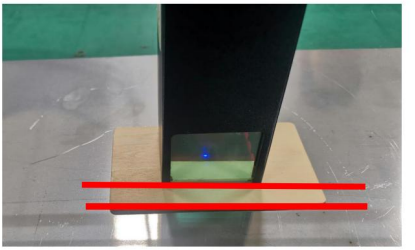
Parte 7: Tecniche per l'utilizzo delle macchine

1

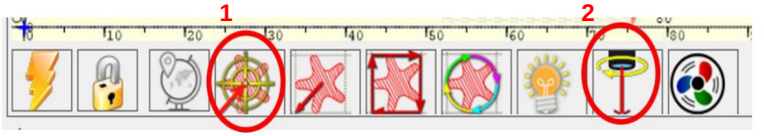
2



1



2



3

Parte 8: Istruzioni e avvertenze per la manutenzione

3. Pulizia del modulo laser



Dopo un periodo di utilizzo del modulo laser, ci sarà

Alcuni residui rimangono sulla copertura protettiva, sul dissipatore di calore e sulla testa laser. È necessario rimuovere tempestivamente tali residui per non compromettere il funzionamento del modulo laser. Prima della pulizia, è necessario rimuovere il parabrezza e la copertura protettiva.

Parte 9: Elenco degli accessori

Parte 10: Precauzioni per i problemi più comuni

1. Il prodotto è conforme agli standard e alle normative vigenti. L'installazione di questo dispositivo deve essere conforme a tutte le normative applicabili e il suo utilizzo deve avvenire esclusivamente in aree ben ventilate. Si prega di leggere il manuale d'uso prima di installare e utilizzare l'apparecchiatura.

2. Questo apparecchio non è destinato all'uso da parte di persone (compresi i bambini) con ridotte capacità fisiche, sensoriali o mentali, o prive di esperienza e conoscenza, a meno che non siano state supervisionate o istruite sull'uso dell'apparecchio da una persona responsabile della loro sicurezza.

3. I bambini non devono giocare con l'apparecchio.
4. Questo apparecchio è destinato all'uso domestico e ad applicazioni simili come: – Officina professionale
5. Si prega di utilizzare il prodotto secondo l'uso previsto, attenzione ai potenziali infortuni derivanti da un uso improprio.

6. Spegnere l'apparecchio e scollegarlo dalla rete elettrica prima di cambiare gli accessori o di avvicinarsi alle parti mobili. 7. Scollegare sempre l'apparecchio dalla rete elettrica se viene lasciato incustodito e prima di montarlo, smontarlo o pulirlo.

8. AVVERTENZA: Utilizzare esclusivamente l'alimentatore fornito con questo apparecchio.
9. ATTENZIONE: Utilizzare esclusivamente un alimentatore esterno con le seguenti specifiche: 100~240 V CA.
10. AVVERTENZA

Rischio di lesioni personali. Tenere mani, capelli, indumenti e gioielli lontani dalle parti in movimento e dalla lama durante il funzionamento.

Non toccare direttamente la lama. La lama è affilata e può provocare tagli.

Scollegare l'alimentazione prima di pulire, sostituire la lama, regolare o eseguire la manutenzione della macchina.

Questo apparecchio non è destinato all'uso da parte di bambini o persone con ridotte capacità fisiche, sensoriali o mentali.

Non utilizzare l'apparecchio se il cavo di alimentazione o la spina sono danneggiati.

Durante l'utilizzo, posizionare l'apparecchio su una superficie stabile, piana e asciutta.

Non esporre la macchina ad acqua, umidità o sostanze infiammabili.

Utilizzare esclusivamente l'alimentatore e la tensione specificati sull'etichetta del prodotto.

Non ostruire né coprire le aperture di ventilazione.

Mantieni l'area di lavoro pulita e ben illuminata.

ATTENZIONE:

Utilizzare solo lame e accessori originali o consigliati.

Non sovraccaricare la macchina oltre la sua capacità prevista.

Scollegare l'apparecchio dalla presa di corrente quando non viene utilizzato per un periodo prolungato.

Non tirare o forzare il materiale durante il taglio.

IMPORTANTI ISTRUZIONI DI SICUREZZA Leggere tutte le istruzioni prima di utilizzare l'apparecchio.

Conservare questo manuale per future consultazioni.

Attenersi a tutte le avvertenze e alle istruzioni per l'uso riportate sulla macchina.

Non utilizzare la macchina per scopi diversi da quelli previsti.



VEVOR

Upgrade · The Home Creator Way

Haciendo referencia al video instructivo es esencial. Operación del producto El sistema podría verse comprometido si no se implementan los métodos mostrados o si se pasan por alto las advertencias.

Escanee el código QR para ver un vídeo sobre cómo usarlo.

Versión en 8 idiomas de el manual

Grabadora láser

Modelo: A7, G3

F03-0266-0AA1 Versión: A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



Símbolo	Descripción del símbolo
	Advertencia -
	
	¡Peligro!
	Advertencia-
	
	Información sobre su eliminación:
	Declaración de la FCC:

Parte 1: Declaración de seguridad antes de la instalación

Antes de utilizar la máquina de grabado láser, lea atentamente esta guía de seguridad. Contiene información sobre situaciones que requieren especial atención, así como advertencias sobre prácticas inseguras que pueden causar daños.
a su propiedad o incluso poner en peligro su seguridad personal.
1

2

Nota: Los métodos para proteger a las personas de la radiación cuando se encuentran dentro de la carcasa protectora pueden incluir alfombrillas sensibles a la presión, detectores infrarrojos, etc.

3

4

5

6

7.

Parte 2. Declaración de seguridad del usuario.

2.1 Seguridad láser

2.2 Seguridad contra incendios

2.3 Material safety

No grabe materiales con propiedades desconocidas. Materiales Recomendado: Madera, bambú, cuero, plástico, tela, papel, vidrio acrílico opaco. Materiales no recomendados: Oro, plata, cobre, aluminio, acrílico transparente y translúcido, piedras preciosas, materiales transparentes, materiales reflectantes, etc. Si se necesita grabar en materiales reflectantes, se recomienda usar un rotulador de pintura negra para evitar reflejos.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

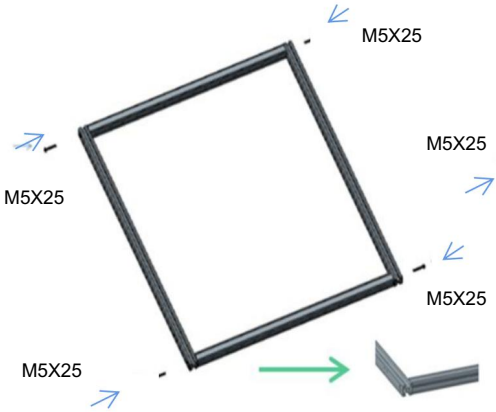
2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

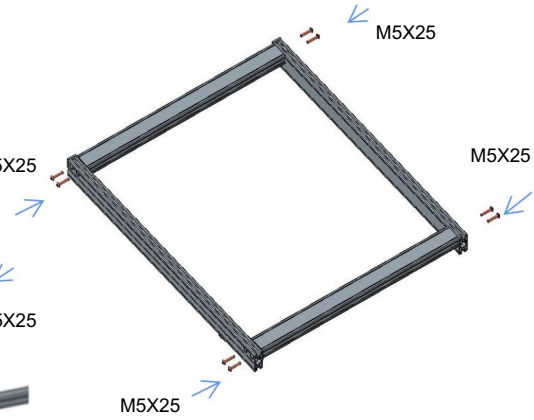
Parte 3: Descargo de responsabilidad y advertencia

Parte 4: Pasos de instalación

Paso 1: Ensamblar el marco

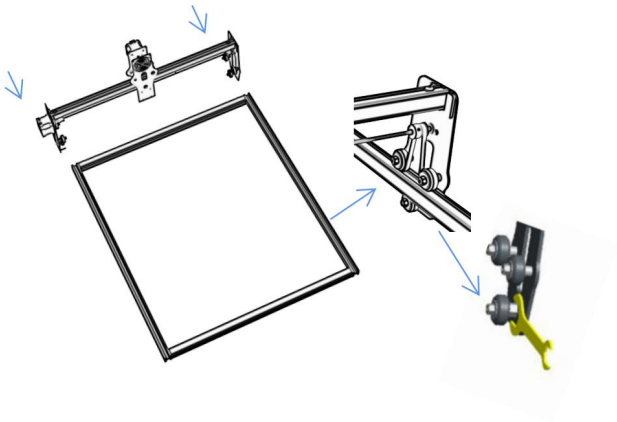


Para 5W/10W

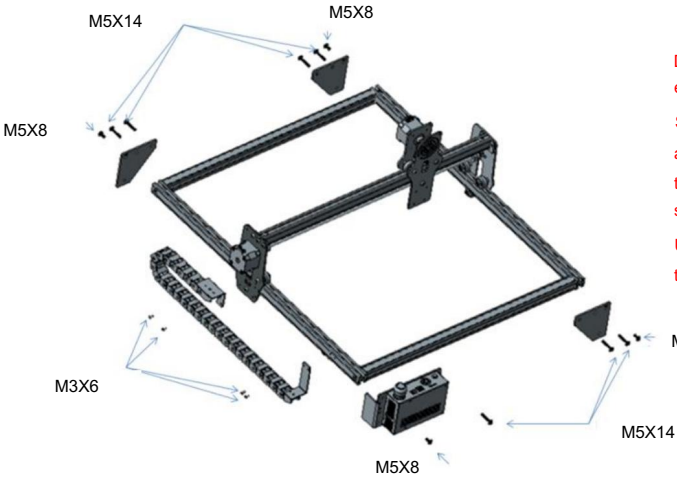


Para 20W

Paso 2 : Instalar el conjunto del eje X



Paso 3 Instala la el conjunto de pie de soporte y cadena de tanques del eje Y

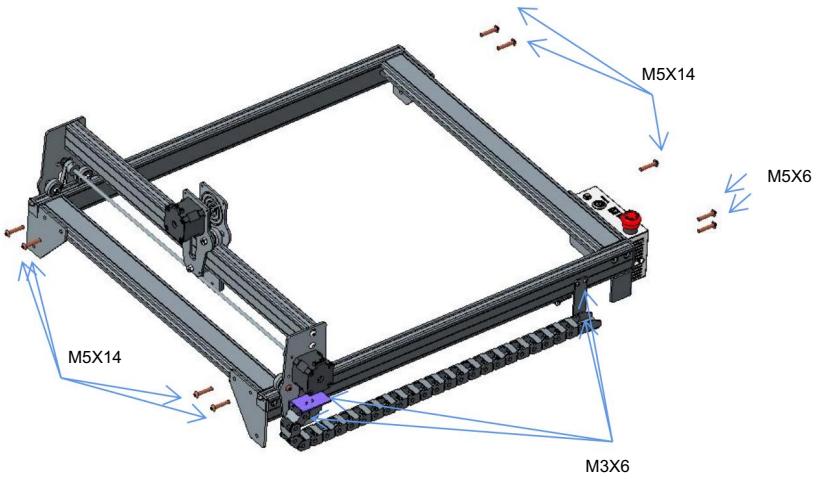


Después del montaje, si encuentra que los cuatro pies están

Si no están alineados, afloje ligeramente los tornillos de los pies de soporte. Después de los cuatro pies

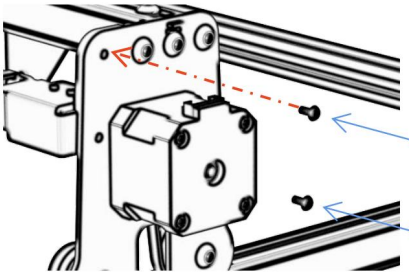
Una vez alineados, apriete los tornillos de nuevo.

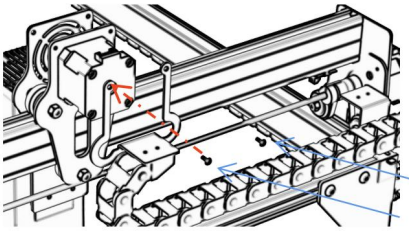
Para 5W/10W



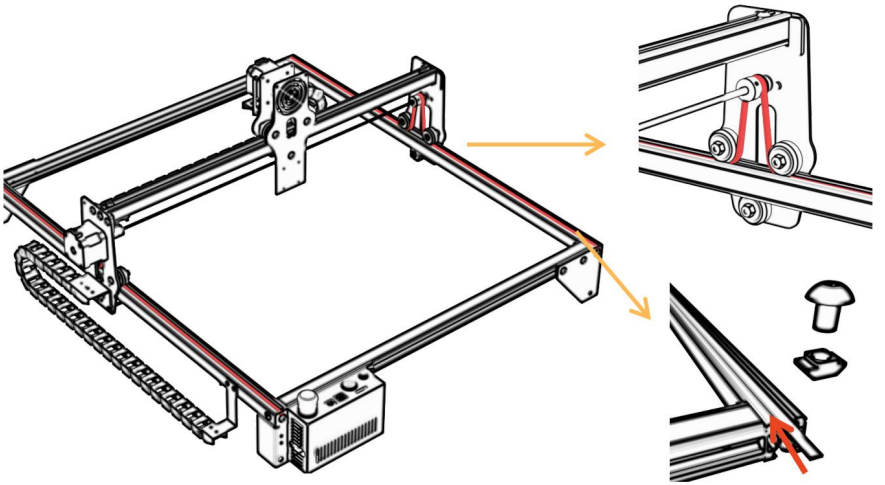
Para 20W

Paso 4 Instale la cadena de tanques del eje X

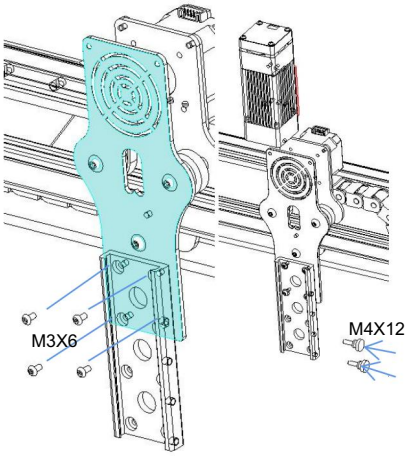




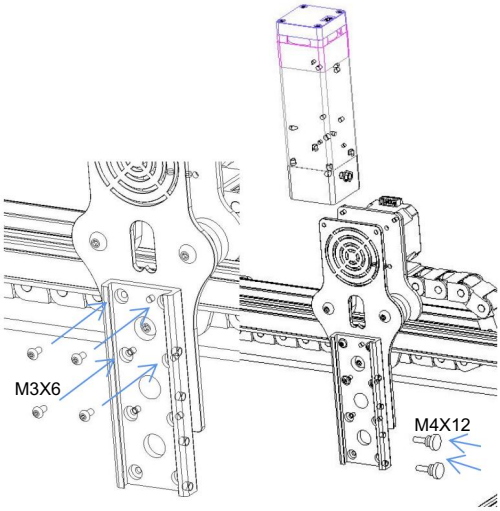
Paso 5 Instalar la correa de distribución



Paso 6.1 Paso 6 Instalación del láser (para modelos de 5 W y 10 W)

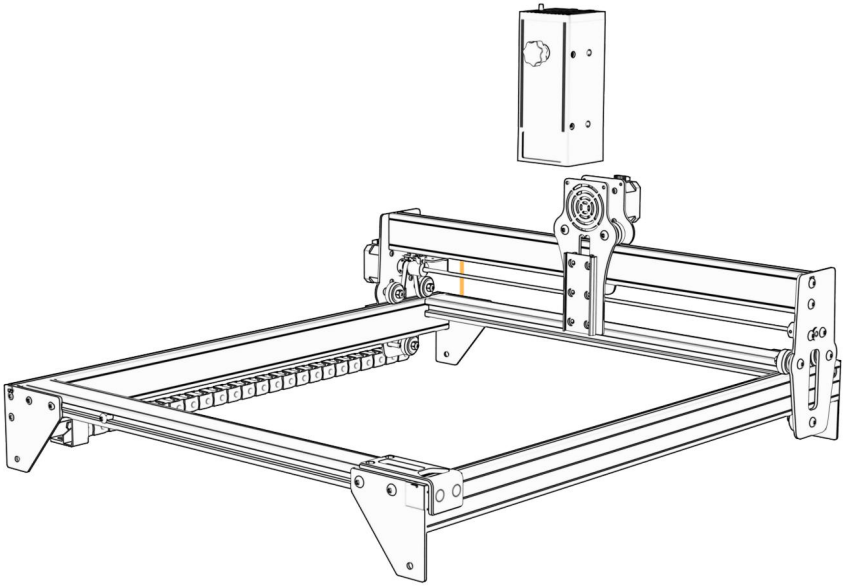


Para 5W

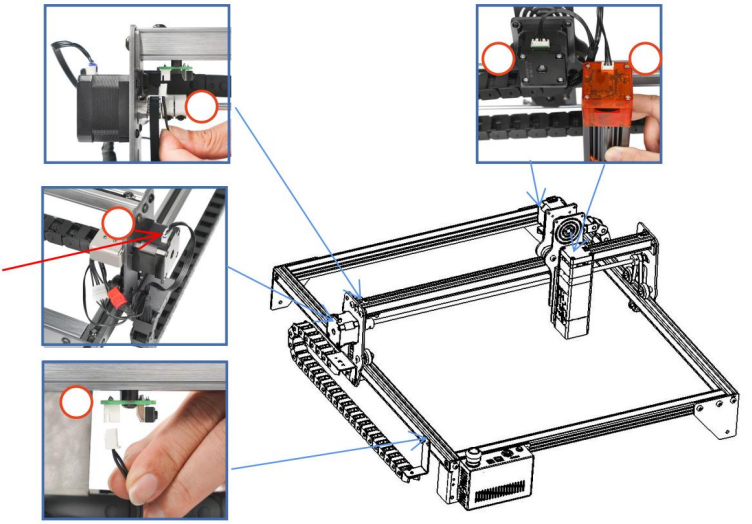


Para 10W

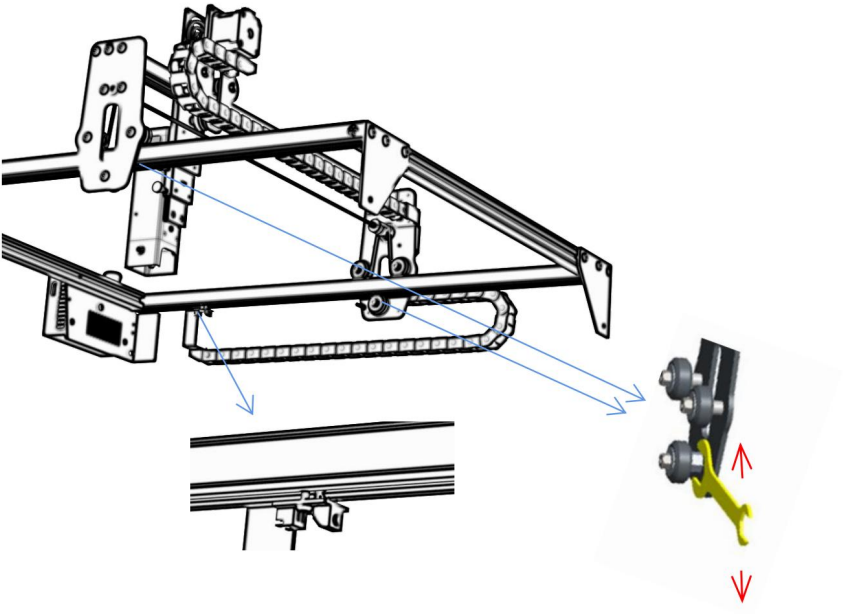
Paso 6.2 Montaje láser (para 20 W)



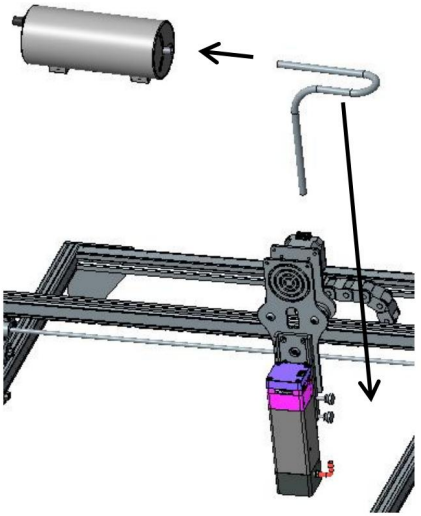
Paso 7 Instalar el cable



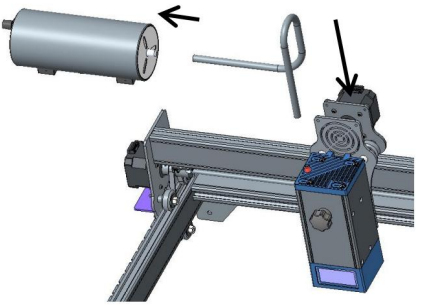
Paso 8 Ajuste la rueda excéntrica



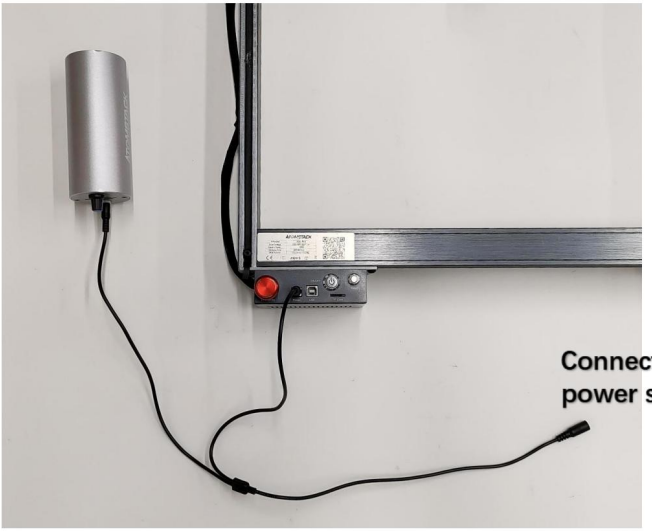
Paso 9 Instalación asistida por aire (adecuada)
formateandoairassiste dmodels)



Para 10W



Para 20W



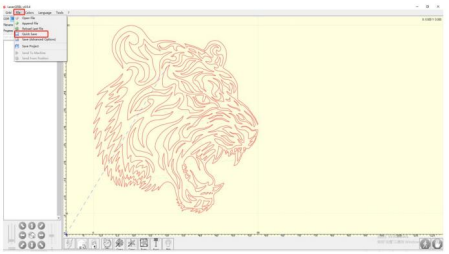
Parte 5.▫Descripción de la caja de control.

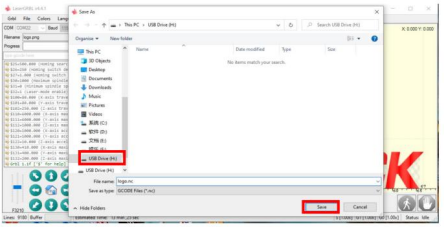


Antes de usarlo, asegúrese de que el interruptor de parada de emergencia esté en la posición superior.

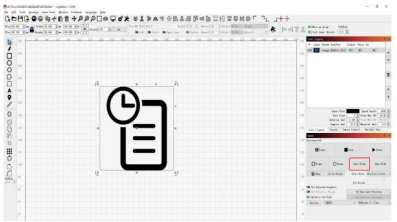
Instrucciones para exportar archivos en formato nc y gc

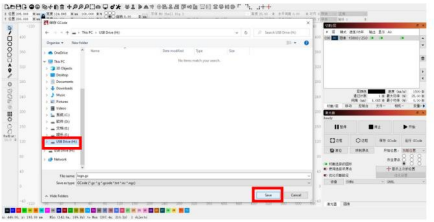
1. Software LaserGRBL





2. Software Lightburn





Parte 6. Instalación y uso del software.

1. Descarga del software LaserGRBL

2. Instalación de LaserGRBL

3. Agregar botones personalizados

4. Conectar la máquina de grabado láser

5. Configuración de los parámetros de grabado

6. Ajuste del enfoque del láser

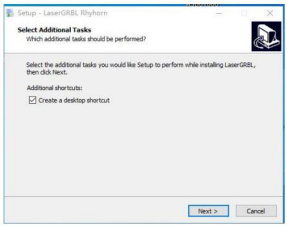
7. Posicionamiento

8. Inicio, finalización del tallado o corte

9. Tutorial de instalación de LightBurn

1. Descarga del software LaserGRBL

2. Instalación de LaserGRBL



1: LaserGRBL

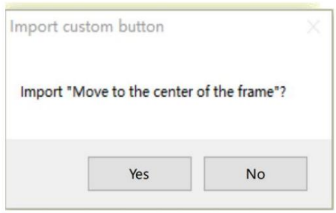
3. Agregar botones personalizados



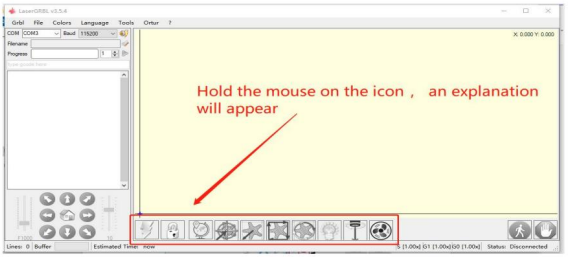
2:



3: agregar botón personalizado

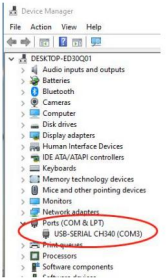


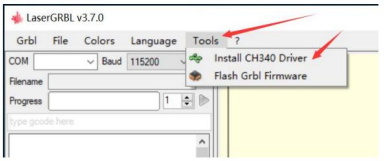
4:

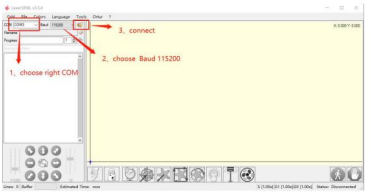


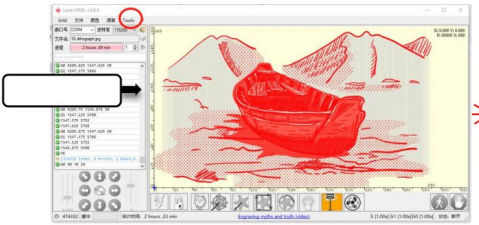
5:

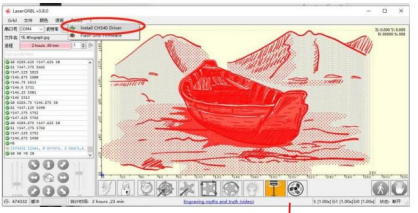
4. Conectar la máquina de grabado láser

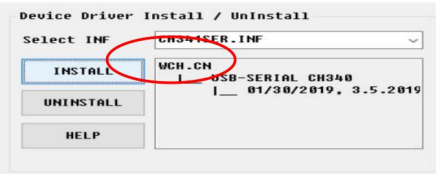



LaserGRBL v3.7.0
Grbl
File
Colors
Language
Tools
?
COM
Baud
115200
Filename
Progress
Install CH340 Driver
Flash Grbl Firmware

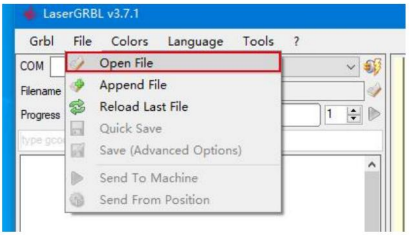

1、choose right COM
2、choose Baud 115200
3、connect



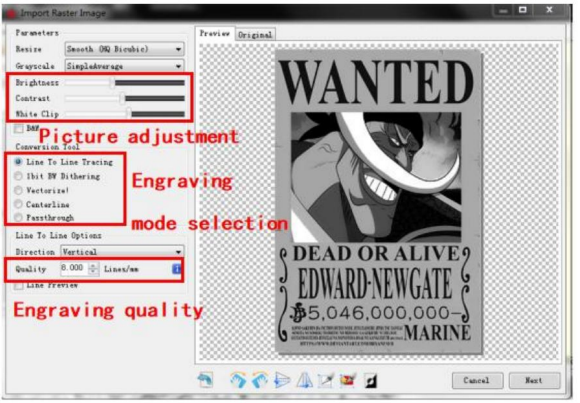


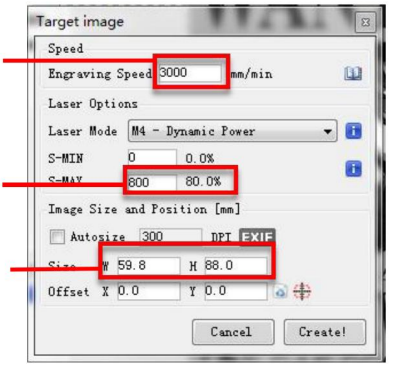

Device Driver Install / UnInstall
Select INF
CH341SER.INF
INSTALL
UNINSTALL
HELP
WCH.CN
USB-SERIAL CH340
01/30/2019, 3.5.2019

5. Configuración de los parámetros de grabado

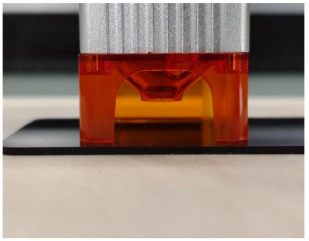


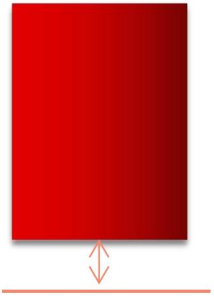
Abrir archivo


Import Raster Image
Parameters
Resize
Smooth (HQ Bicubic)
Grayscale
SimpleAverage
Brightness
Contrast
White Clip
Conversion Tool
Line To Line Tracing
1bit BW Dithering
Vectorize!
Centerline
Passthrough
Line To Line Options
Direction
Vertical
Quality
8.000
Lines/mm
Line Preview
Preview
Original
WANTED
DEAD OR ALIVE
EDWARD·NEWGATE
5,046,000,000-
MARINE
Cancel
Next
Picture adjustment
Engraving
mode selection
Engraving quality

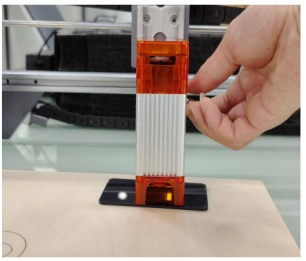

Target image
Speed
Engraving Speed
3000
mm/min
Laser Options
Laser Mode
M4 - Dynamic Power
S-MIN
0
0.0%
S-MAX
800
80.0%
Image Size and Position [mm]
Autosize
300
DPI
EXIF
Size
W
59.8
H
88.0
Offset
X
0.0
Y
0.0
Cancel
Create!

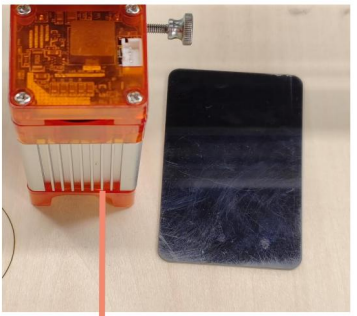
6. Ajuste del enfoque del láser

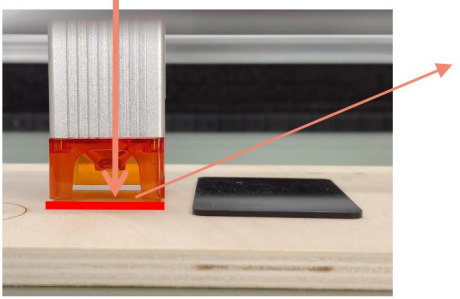




Enfoque láser



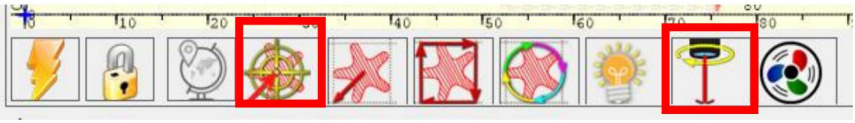




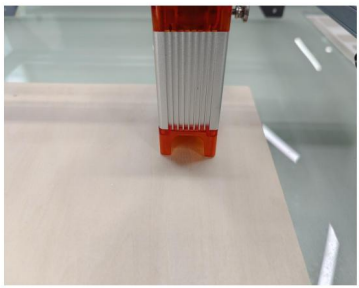
7. Posicionamiento

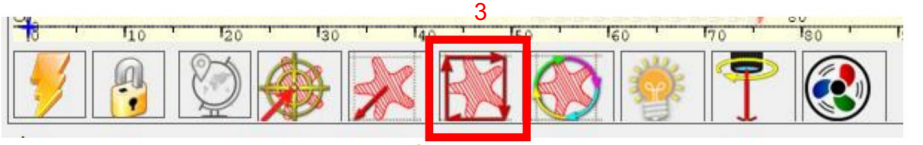
1

2

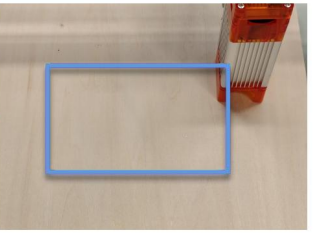




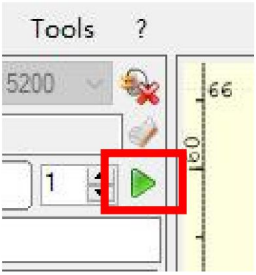


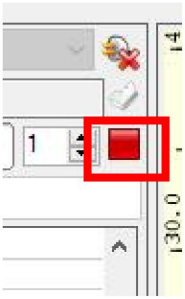

3


ATOMSTACK



8. Inicio, finalización del tallado o corte





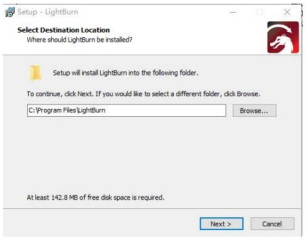
9. Tutorial de instalación de LightBurn



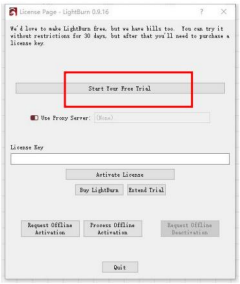
Imagen 3

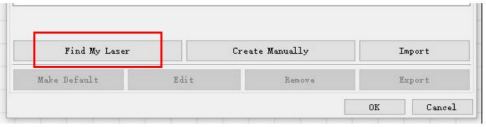
LightBurn

Paquete de software

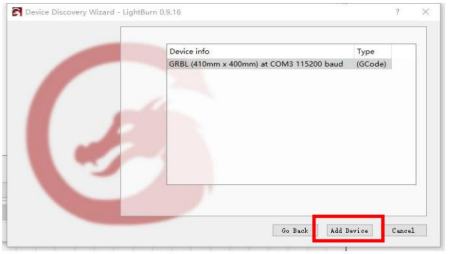


4

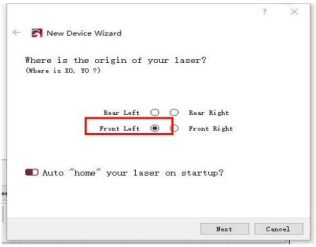




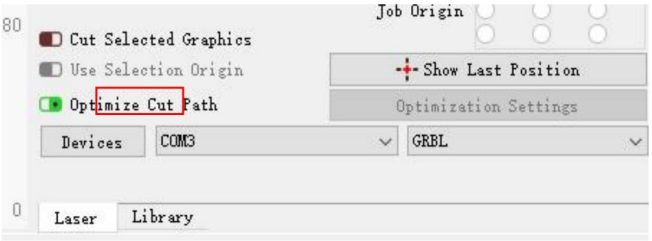
6


Device Discovery Wizard - LightBurn 0.9.16
Device info
Type
GRBL (410mm x 400mm) at COM3 115200 baud
(GCode)
Go Back
Add Device
Cancel

GRBL


New Device Wizard
Where is the origin of your laser?
(Where is X0, Y0 ?)
Rear Left
Rear Right
Front Left
Front Right
Auto "home" your laser on startup?
Next
Cancel

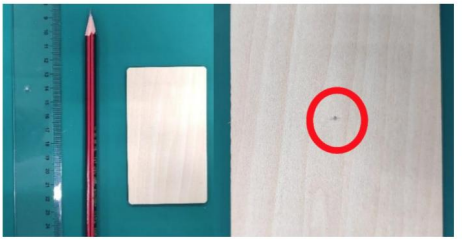
8、


80
Job Origin
Cut Selected Graphics
Use Selection Origin
Show Last Position
Optimize Cut Path
Optimization Settings
Devices
COM3
GRBL
0
Laser
Library

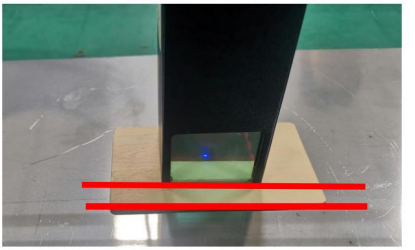
Parte 7: Técnicas para el uso de máquinas

1

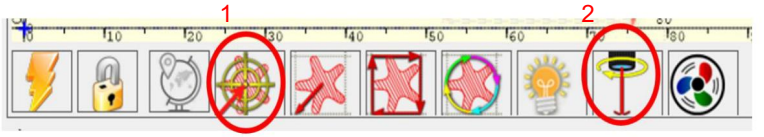
2



1



2



3

Parte 8: Instrucciones de mantenimiento y advertencia

3. Limpieza del módulo láser 

Después de un período de utilización del módulo láser, habrá Algunos residuos permanecen en la cubierta protectora, el disipador de calor y el cabezal láser. Es necesario limpiar estos residuos a tiempo para que no afecten el funcionamiento del módulo láser. El parabrisas y la cubierta protectora deben retirarse antes de la limpieza.

Parte 9: Lista de accesorios

Parte 10: Precauciones para problemas comunes

1. El producto cumple con las normas y reglamentos pertinentes. La instalación de este dispositivo debe cumplir con todas las normativas aplicables y solo debe utilizarse en áreas bien ventiladas. Lea el manual de usuario antes de instalar y utilizar este equipo.

2. Este aparato no está diseñado para ser utilizado por personas (incluidos niños) con capacidades físicas, sensoriales o mentales reducidas, o falta de experiencia y conocimiento, a menos que una persona responsable de su seguridad les haya supervisado o instruido sobre el uso del aparato.

3. Los niños no deben jugar con el aparato.
4. Este aparato está diseñado para ser utilizado en aplicaciones domésticas y similares, tales como: – Taller profesional 5. Por favor, utilice el producto de
acuerdo con el uso previsto, tenga en cuenta el riesgo de lesiones por mal uso.

6. Apague el aparato y desconéctelo de la corriente antes de cambiar accesorios o manipular piezas móviles durante su uso. 7. Desconecte siempre el aparato de la corriente
si lo deja desatendido y antes de montarlo, desmontarlo o limpiarlo.

8. ADVERTENCIA: Utilice únicamente la fuente de alimentación suministrada con este aparato.
9. ADVERTENCIA: Utilice únicamente una fuente de alimentación externa con las siguientes especificaciones: 100~240 VCA.
10. ADVERTENCIA:

Riesgo de lesiones personales. Mantenga las manos, el cabello, la ropa y las joyas alejados de las piezas móviles y la cuchilla durante el funcionamiento.

No toque la cuchilla directamente. La cuchilla está afilada y puede causar cortes.

Desconecte la alimentación eléctrica antes de limpiar, cambiar la cuchilla, ajustar o realizar el mantenimiento de la máquina.

Esta máquina no está diseñada para ser utilizada por niños o personas con capacidades físicas, sensoriales o mentales reducidas.

No utilice la máquina si el cable de alimentación o el enchufe están dañados.

Coloque la máquina sobre una superficie estable, plana y seca durante su uso.

No exponga la máquina al agua, la humedad ni a sustancias inflamables.

Utilice únicamente la fuente de alimentación y el voltaje especificados en la etiqueta del producto.

No bloquee ni cubra las aberturas de ventilación.

Mantenga el área de trabajo limpia y bien iluminada.

PRECAUCIÓN:

Utilice únicamente cuchillas y accesorios originales o recomendados.

No sobrecargue la máquina más allá de su capacidad prevista.

Desenchufe el aparato cuando no lo utilice durante un período prolongado.

No tire ni fuerce el material durante el corte.

INSTRUCCIONES DE SEGURIDAD IMPORTANTES

Lea todas las instrucciones antes de utilizar la máquina.
Conserve este manual para futuras consultas.

Siga todas las advertencias e instrucciones de funcionamiento que aparecen en la máquina.

No utilice la máquina para ningún otro fin que no sea el previsto.



VEVOR

Upgrade · The Home Creator Way

Odnosząc się do film instruktażowy jest niezbędne. Działanie produktu może zostać naruszone, jeśli pokazane metody nie zostaną wdrożone lub jeśli ostrzeżenia zostaną zignorowane.

Zeskanuj kod QR, aby obejrzeć film instruktażowy dotyczący jego używania.

Wersja 8-językowa instrukcja

Grawer laserowy

Modele: A7,G3

F03-0266-0AA1 Wersja: A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



Symbol	Opis symbolu
	Ostrzeżenie -
	
	Niebezpieczeństwo!
	Ostrzeżenie-
	
	Informacje dotyczące utylizacji:
	Oświadczenie FCC:

Część 1: Oświadczenie dotyczące bezpieczeństwa przed instalacją

Przed użyciem urządzenia do grawerowania laserowego prosimy o dokładne zapoznanie się z niniejszą instrukcją bezpieczeństwa. Zawiera ona informacje o sytuacjach wymagających szczególnej uwagi, a także ostrzeżenia przed niebezpiecznymi praktykami, które mogą spowodować uszkodze

do twojego mienia lub nawet narazić na niebezpieczeństwo twoje bezpieczeństwo osobiste.

1

2

Uwaga: Metody ochrony ludzi przed promieniowaniem, gdy znajdują się oni wewnątrz obudowy ochronnej, mogą obejmować maty podłogowe wrażliwe na nacisk, detektory podczerwieni itp.

3

4

5

6

7.

Część 2Oświadczenie dotyczące bezpieczeństwa użytkownika

2.1 Bezpieczeństwo laserowe

2.2 Bezpieczeństwo przeciwpożarowe

2.3 Material safety

Nie graweruj materiałów o nieznanych właściwościach. Materiały
Zalecane: drewno, bambus, skóra, plastik, tkanina, papier, nieprzezroczyste
szkło akrylowe. Materiały niezalecane: złoto, srebro, miedź, aluminium, przezroczysty i
półprzezroczysty akryl, kamienie szlachetne, materiały transparentne, materiały
odblaskowe itp. W przypadku konieczności grawerowania materiałów odblaskowych zaleca się
użycie pisaka do namalowania czarnego koloru, aby uniknąć odbicia światła.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

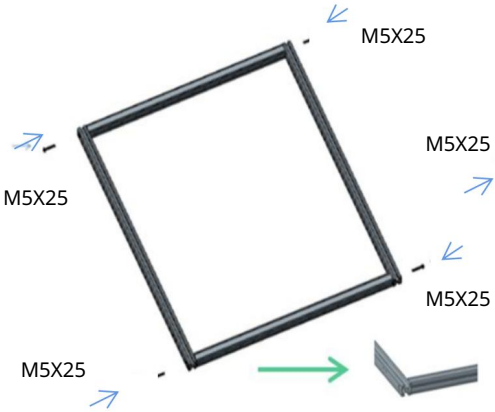
2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

Część 3: Zastrzeżenie i ostrzeżenie

Część 4 Kroki instalacji

Krok 1 Złóż ramę

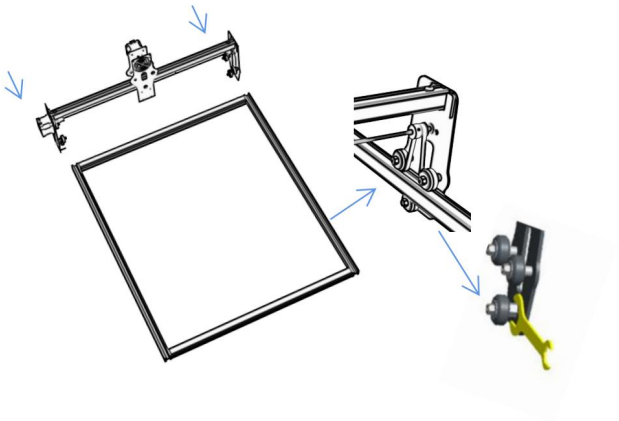


Do 5W/10W

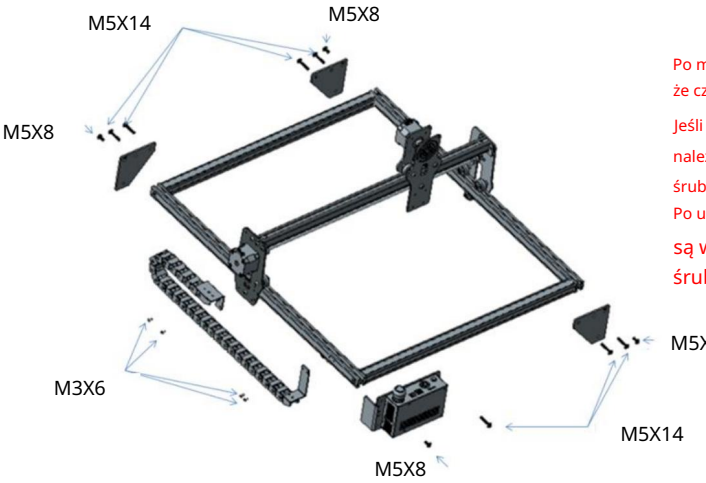


Dla 20W

Krok 2 Instaluję zespół osi X



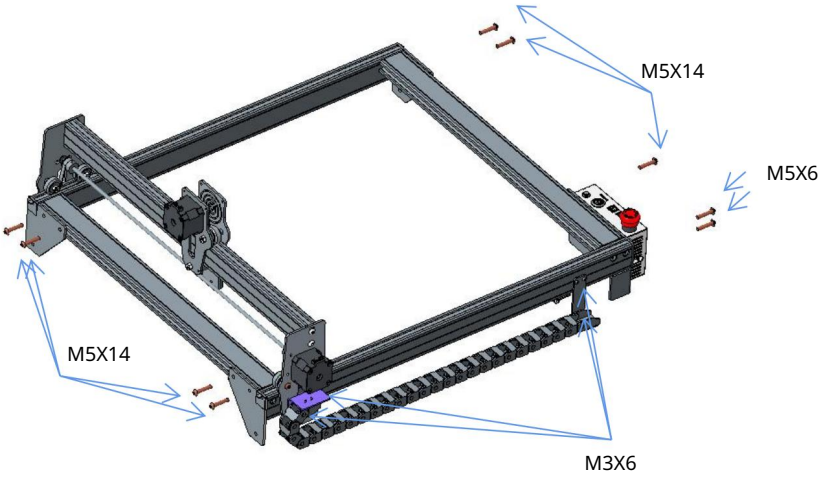
Krok 3 ▫ Zainstaluj zespół stopy podporowej yand łańcuch Y-axistankchain



Po montażu, jeśli okaże się, że cztery nóżki są

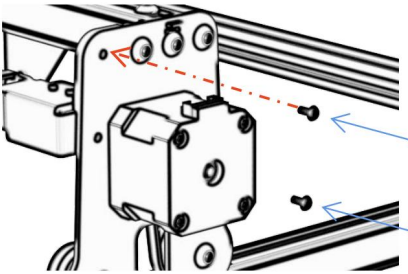
Jeśli nie są wyrównane, należy lekko poluzować śruby nóżek podporowych. Po ustawieniu czterech nóżek są wyrównane, dokręć śruby ponownie.

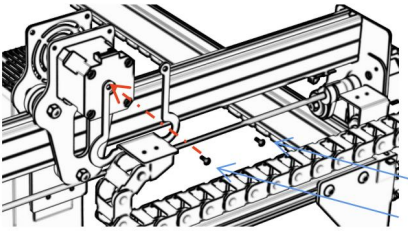
Do 5W/10W



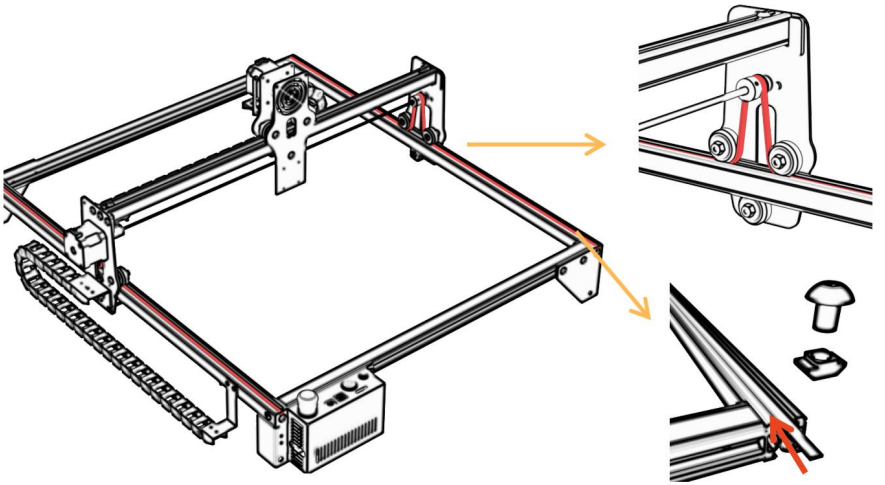
Dla 20W

Krok 4 Zainstaluj łańcuch X-Axis

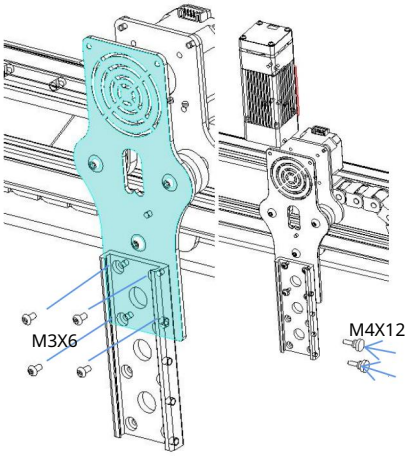




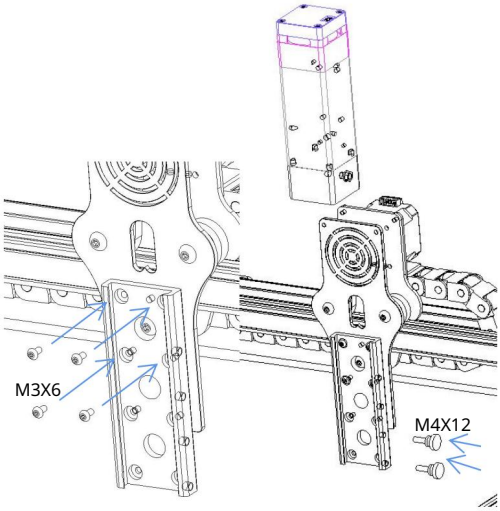
Krok 5 Instalacja pasek rozrządu



Krok 6. 1 Krok 6 Instalacja lasera (dla modeli 5 W i 10 W)

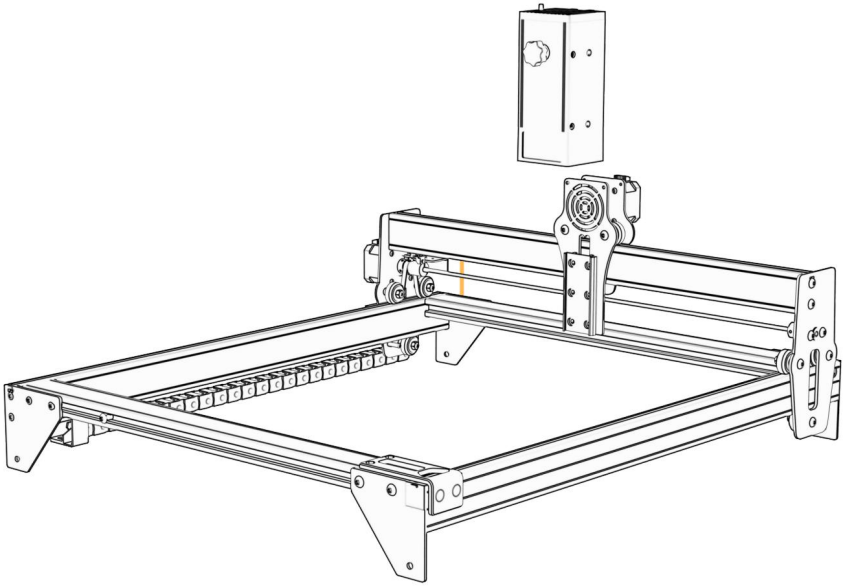


Dla 5W

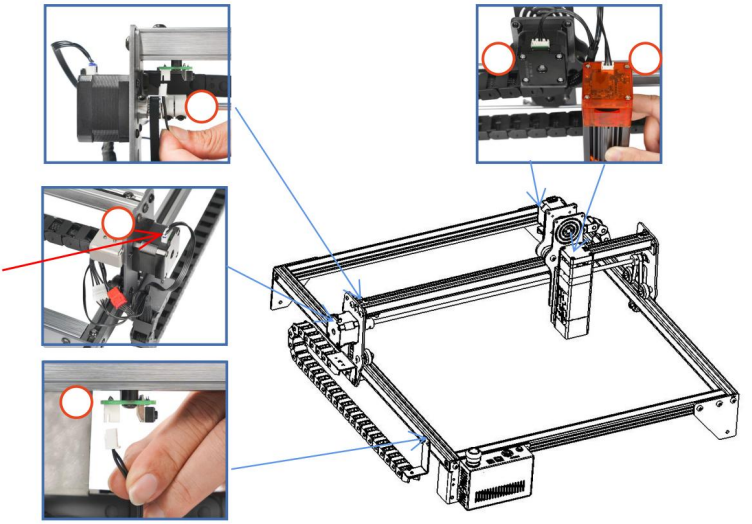


Dla 10W

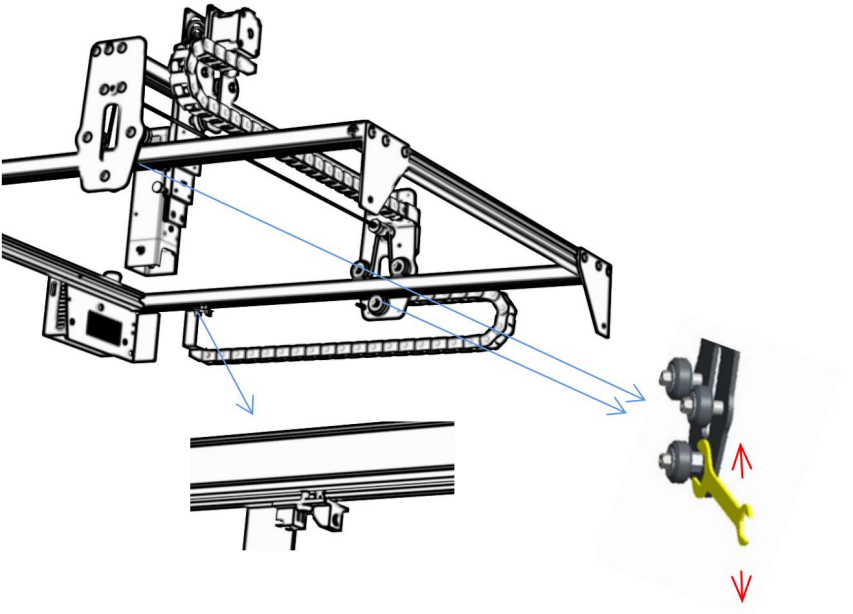
Krok 6. 2. Montaż lasera (dla 20 W)



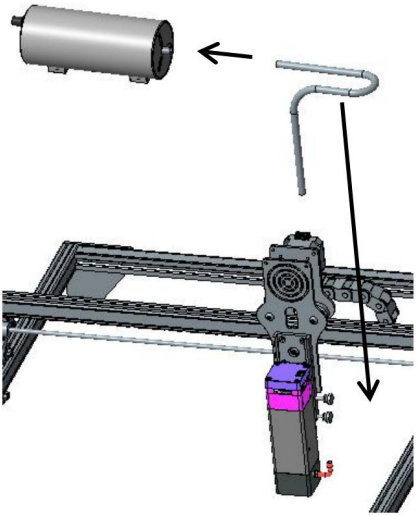
Krok 7 Instalacja kabla



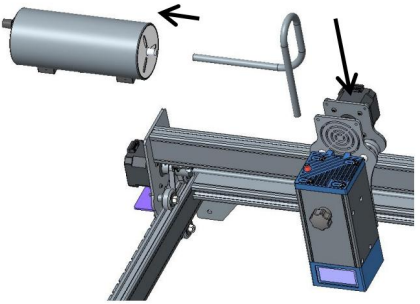
Krok 8 Regulacja koła mimośrodowego



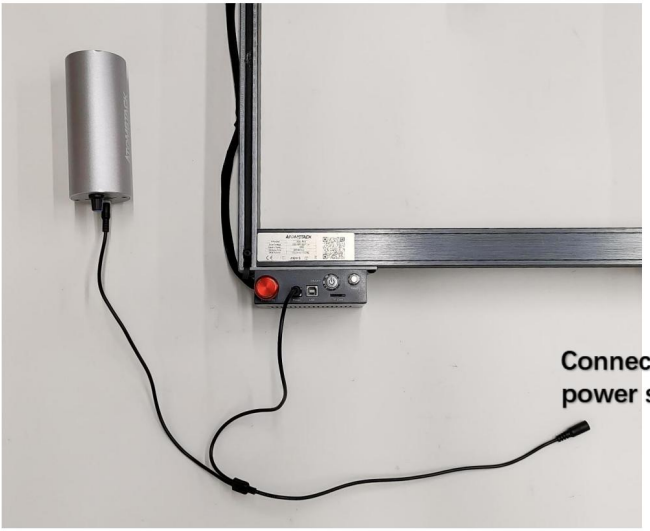
Krok 9 Instalacja pneumatyczna (odpowiednia formatchingairassiste dmodels)



Dla 10W



Dla 20W



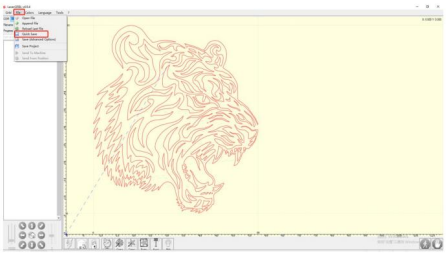
Część 5 Opis skrzynki sterowniczej

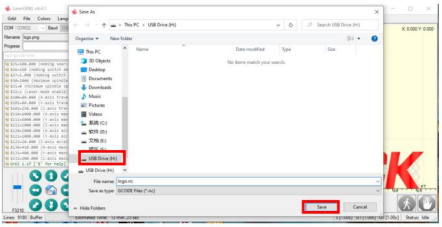


Przed użyciem należy upewnić się, że wyłącznik awaryjny jest w pozycji górnej.

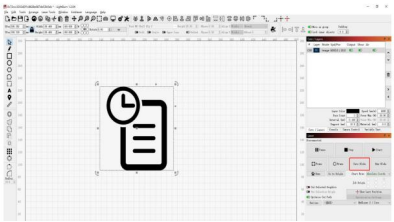
Instrukcje eksportowania plików w formacie nc i gc

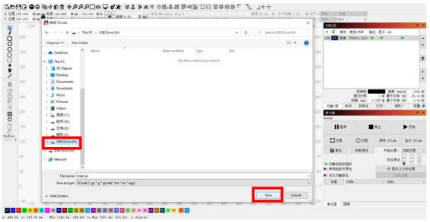
1. Oprogramowanie LaserGRBL





2.Oprogramowanie Lightburn





Część 6 Instalacja i użytkowanie oprogramowania

1. Pobieranie oprogramowania LaserGRBL

2. Instalowanie LaserGRBL

3. Dodawanie niestandardowych przycisków

4. Podłącz maszynę do grawerowania laserowego

5. Ustawianie parametrów grawerowania

6. Regulacja ostrości lasera

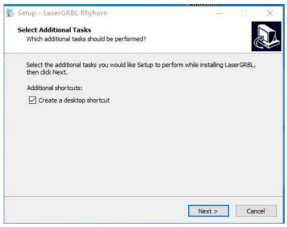
7. Pozycjonowanie

8. Rozpoczęcie, zakończenie rzeźbienia lub cięcia

9. Samouczek instalacji LightBurn

1. Pobieranie oprogramowania LaserGRBL

2. Instalowanie LaserGRBL



1: LaserGRBL

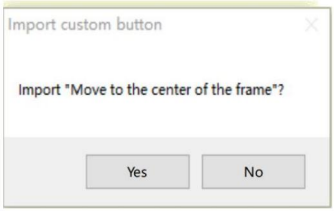
3. Dodawanie niestandardowych przycisków



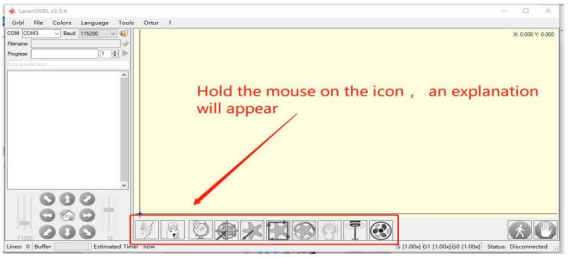
2:



3: dodawanie niestandardowego przycisku

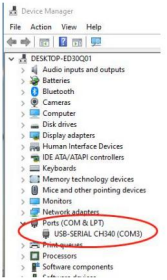


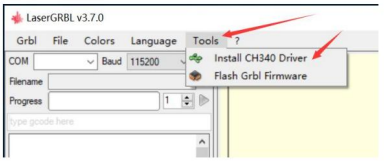
4:

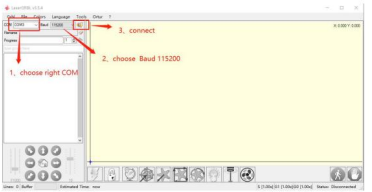


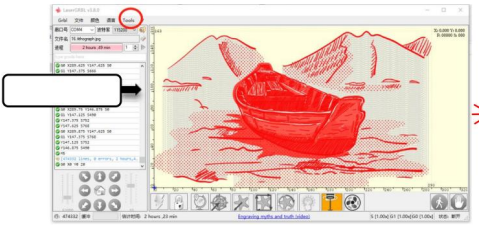
5:

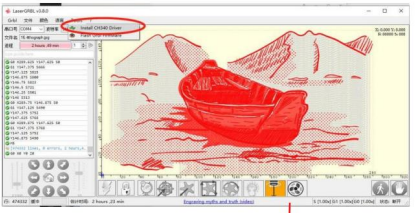
4. Podłącz maszynę do grawerowania laserowego

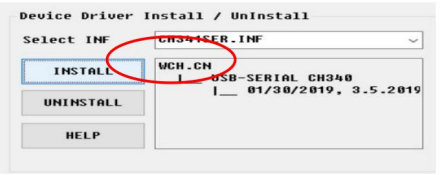



LaserGRBL v3.7.0
Grbl
File
Colors
Language
Tools
?
COM
Baud
115200
Filename
Progress
Install CH340 Driver
Flash Grbl Firmware

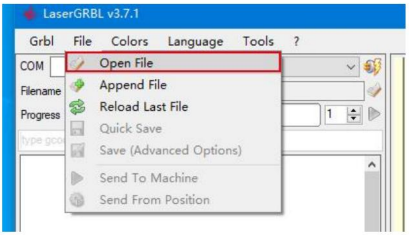

1、choose right COM
2、choose Baud 115200
3、connect



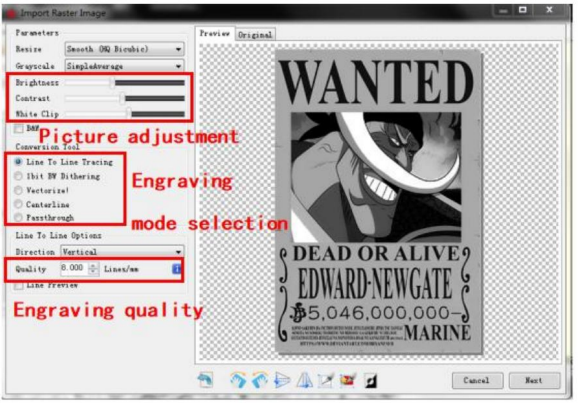


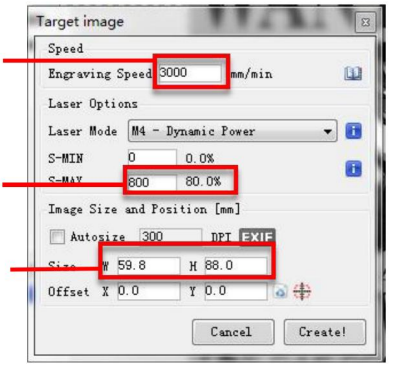

Device Driver Install / UnInstall
Select INF
CH341SER.INF
INSTALL
UNINSTALL
HELP
WCH.CN
USB-SERIAL CH340
01/30/2019, 3.5.2019

5. Ustawianie parametrów grawerowania

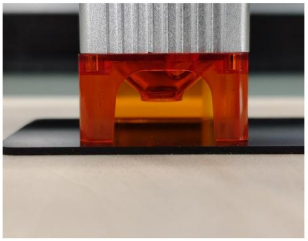


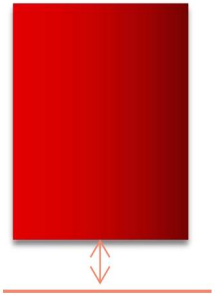
Otwórz plik


Import Raster Image
Parameters
Resize
Smooth (HQ Bicubic)
Grayscale
SimpleAverage
Brightness
Contrast
White Clip
Conversion Tool
Line To Line Tracing
1bit BW Dithering
Vectorize!
Centerline
Passthrough
Line To Line Options
Direction
Vertical
Quality
8.000
Lines/mm
Line Preview
Preview
Original
WANTED
DEAD OR ALIVE
EDWARD·NEWGATE
5,046,000,000-
MARINE
Cancel
Next
Picture adjustment
Engraving
mode selection
Engraving quality

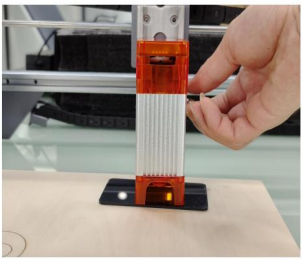

Target image
Speed
Engraving Speed
3000
mm/min
Laser Options
Laser Mode
M4 - Dynamic Power
S-MIN
0
0.0%
S-MAX
800
80.0%
Image Size and Position [mm]
Autosize
300
DPI
EXIF
Size
W
59.8
H
88.0
Offset
X
0.0
Y
0.0
Cancel
Create!

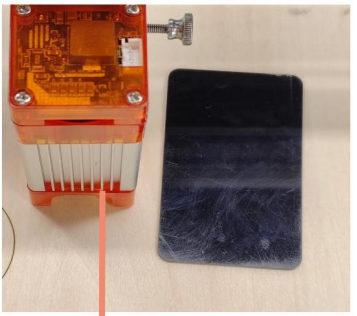
6. Regulacja ostrości lasera

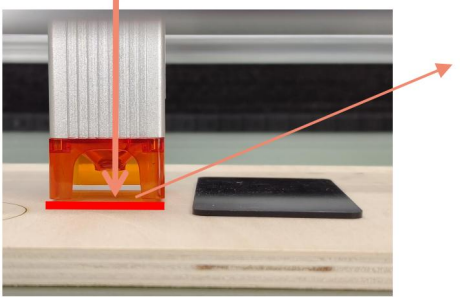




Ogniskowanie laserowe

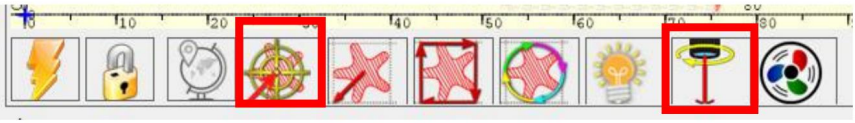




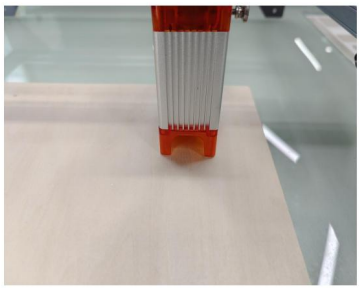


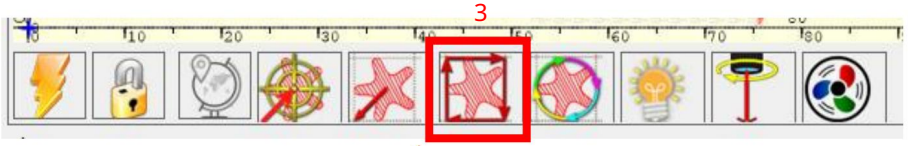
7. Pozycjonowanie

1 2

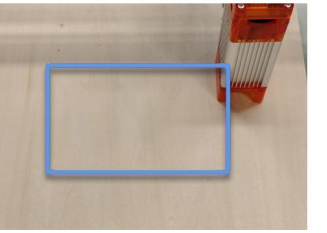




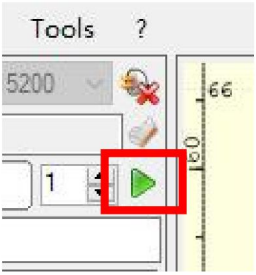


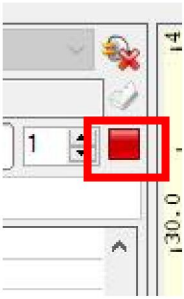

3


ATOMSTACK



8. Rozpoczęcie, zakończenie rzeźbienia lub cięcia





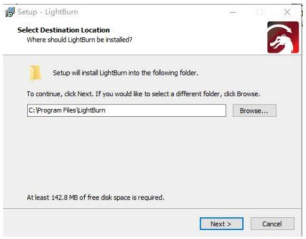
9. Samouczek instalacji LightBurn



Obrazek 3

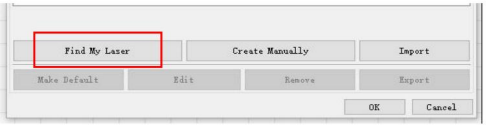
LightBurn

Pakiet oprogramowania

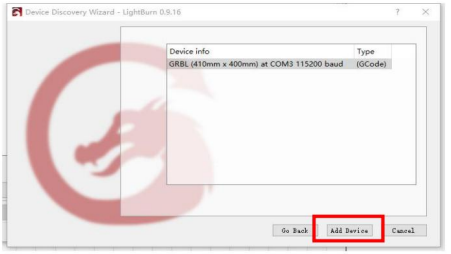


4

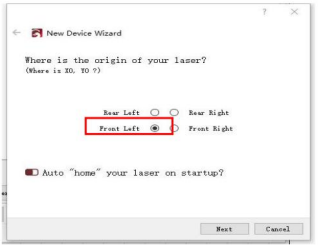




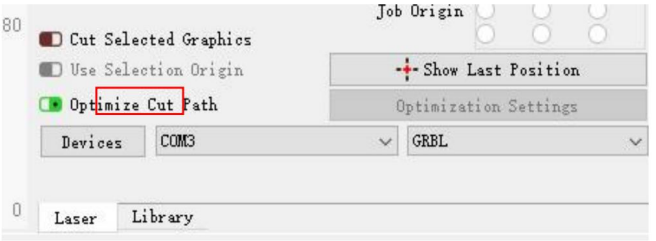
6


Device Discovery Wizard - LightBurn 0.9.16
Device info
Type
GRBL (410mm x 400mm) at COM3 115200 baud
(GCode)
Go Back
Add Device
Cancel

GRBL


New Device Wizard
Where is the origin of your laser?
(Where is X0, Y0 ?)
Rear Left
Rear Right
Front Left
Front Right
Auto "home" your laser on startup?
Next
Cancel

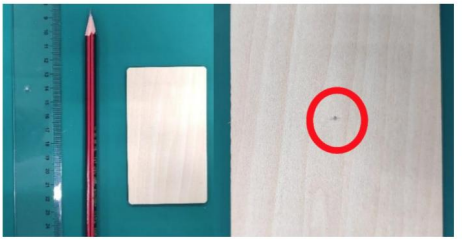
8、


80
Job Origin
Cut Selected Graphics
Use Selection Origin
Show Last Position
Optimize Cut Path
Optimization Settings
Devices
COM3
GRBL
0
Laser
Library

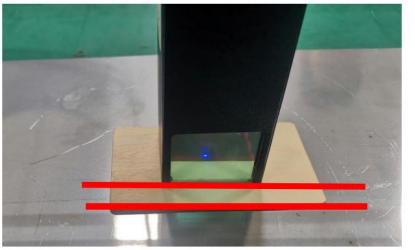
Część 7: Techniki obsługi maszyn

1

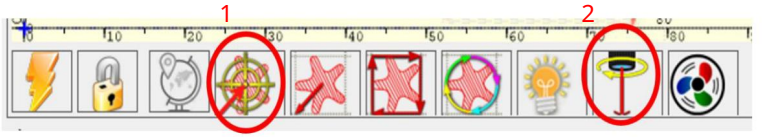
2



1



2



3

Część 8: Instrukcje i ostrzeżenia dotyczące konserwacji

3. Czyszczenie modułu laserowego 

Po pewnym okresie użytkowania modułu laserowego nastąpi Niektóre zanieczyszczenia gromadzą się na osłonie ochronnej, radiatorze i głowicy lasera. Należy je regularnie czyścić, aby nie utrudniały korzystania z modułu laserowego. Przed czyszczeniem należy zdjąć przednią szybę i osłonę ochronną.

Część 9: Lista akcesoriów

Część 10: Środki ostrożności dotyczące typowych problemów

1. Produkt jest zgodny z odpowiednimi normami i przepisami. Instalacja tego urządzenia musi być zgodna ze wszystkimi obowiązującymi przepisami i powinno być ono użytkowane wyłącznie w dobrze wentylowanych pomieszczeniach. Przed instalacją i użytkowaniem urządzenia należy zapoznać się z instrukcją obsługi.

2. Urządzenie to nie jest przeznaczone do użytku przez osoby (w tym dzieci) o ograniczonej sprawności fizycznej, sensorycznej lub umysłowej, a także osoby nieposiadające odpowiedniego doświadczenia lub wiedzy, chyba że znajdują się pod nadzorem osoby odpowiedzialnej za ich bezpieczeństwo lub otrzymały od niej instrukcje dotyczące korzystania z urządzenia.
3. Dzieci nie mogą bawić się urządzeniem.
4. Urządzenie to jest przeznaczone do użytku domowego i podobnych zastosowań, takich jak: – Warsztat profesjonalny 5. Produkt należy używać zgodnie
z jego przeznaczeniem, ostrzegając o potencjalnych obrażeniach spowodowanych niewłaściwym użyciem.

6. Wyłącz urządzenie i odłącz je od zasilania przed wymianą akcesoriów lub zbliżaniem się do części ruchomych podczas użytkowania. 7. Zawsze odłączaj urządzenie od
zasilania, jeśli pozostawiasz je bez nadzoru, a także przed montażem, demontażem lub czyszczeniem.

8. OSTRZEŻENIE: Używaj wyłącznie zasilacza dołączonego do tego urządzenia.
9. OSTRZEŻENIE: Należy używać wyłącznie zewnętrznego źródła zasilania o następujących parametrach: 100~240 V AC.
10. OSTRZEŻENIE

Ryzyko obrażeń ciała. Trzymaj ręce, włosy, odzież i biżuterię z dala od ruchomych części i ostrza tnącego podczas pracy.
Nie dotykaj ostrza tnącego bezpośrednio. Ostrze jest ostre i może spowodować skaleczenia.
Przed czyszczeniem, wymianą ostrza, regulacją lub konserwacją maszyny należy odłączyć zasilanie.

Urządzenie to nie jest przeznaczone do użytku przez dzieci ani osoby o ograniczonej sprawności fizycznej, sensorycznej lub umysłowej.
Nie używaj urządzenia, jeśli przewód zasilający lub wtyczka są uszkodzone.
Podczas użytkowania urządzenie należy ustawić na stabilnej, płaskiej i suchej powierzchni.
Nie wystawiać urządzenia na działanie wody, wilgoci ani substancji łatwopalnych.
Należy używać wyłącznie źródła zasilania i napięcia określonych na etykiecie produktu.
Nie blokować i nie zakrywać otworów wentylacyjnych.
Utrzymuj miejsce pracy w czystości i dobrym oświetleniu.
UWAGA Używaj

wyłącznie oryginalnych lub zalecanych ostrzy i akcesoriów.
Nie przeciążaj urządzenia ponad jego przewidzianą pojemność.
Odłącz urządzenie od zasilania, jeśli nie będziesz go używać przez dłuższy czas.
Podczas cięcia nie należy ciągnąć ani używać siły przy materiale.
WAŻNE INSTRUKCJE BEZPIECZEŃSTWA Przed użyciem

urządzenia należy przeczytać wszystkie instrukcje.
Zachowaj tę instrukcję, aby móc z niej skorzystać w przyszłości.
Należy przestrzegać wszystkich ostrzeżeń i instrukcji obsługi umieszczonych na urządzeniu.
Nie należy używać urządzenia do celów innych niż te, do których jest przeznaczone.



VEVOR

Upgrade · The Home Creator Way

Verwijzend naar de instructievideo is essentieel. Productwerking kan in gevaar komen als de getoonde methoden niet worden geïmplementeerd of als waarschuwingen worden genegeerd.

Scan de QR-code om een video te bekijken over het gebruik ervan.

8-talige versie van de handleiding

Lasergraveermachine

Model: A7,G3

F03-0266-0AA1 Versie: A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



Symbool	Symboolbeschrijving
	**Waarschuwing -**
	
	**Gevaar!**
	**Waarschuwing-**
	
	**Informatie over afvalverwerking:**
	**Verklaring van de FCC:**

Deel 1: Veiligheidsverklaring vóór installatie

Lees deze veiligheidshandleiding aandachtig door voordat u de lasergraveermachine gebruikt. Deze bevat informatie over situaties die speciale aandacht vereisen, evenals waarschuwingen voor onveilige handelingen die schade kunnen veroorzaken.

uw eigendom beschadigen of zelfs uw persoonlijke veiligheid in gevaar brengen.

1

2

Opmerking: Methoden om mensen te beschermen tegen straling wanneer ze zich in de beschermende behuizing bevinden, kunnen onder andere drukgevoelige vloermatten en infrarooddetectoren omvatten.

3

4

5

6

7.

Deel 2: Gebruikersbeveiligingsverklaring

2.1 Laserveiligheid

2.2 Brandveiligheid

2.3 Material safety

Graveert u geen materialen met onbekende eigenschappen. Materialen
Aanbevolen materialen: Hout, bamboe, leer, plastic, stof, papier, ondoorzichtig acrylglas. Niet aanbevolen materialen: Goud, zilver, koper, aluminium, transparant en doorschijnend acryl, edelstenen, transparante materialen, reflecterende materialen, enz. Als reflecterende materialen gegraveerd moeten worden, is het aan te raden een zwarte verfpen te gebruiken om reflectie te voorkomen.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

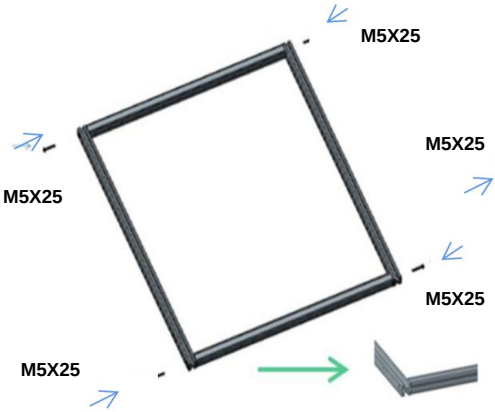
2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

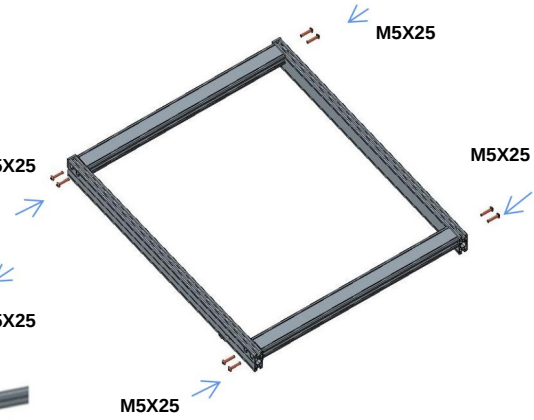
Deel 3: Disclaimer en waarschuwing

Deel 4 Installatiestappen

Stap 1: Monteer het frame

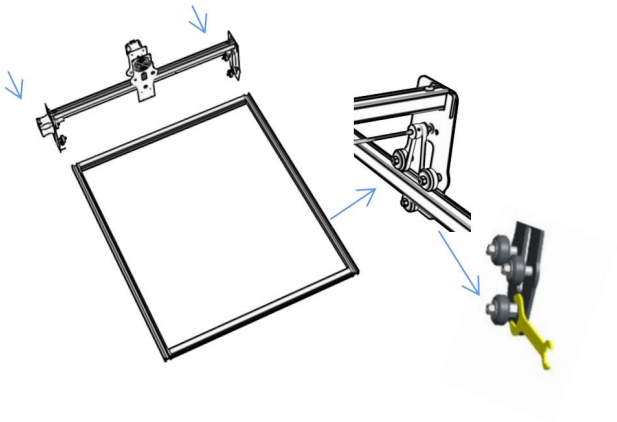


Voor 5W/10W

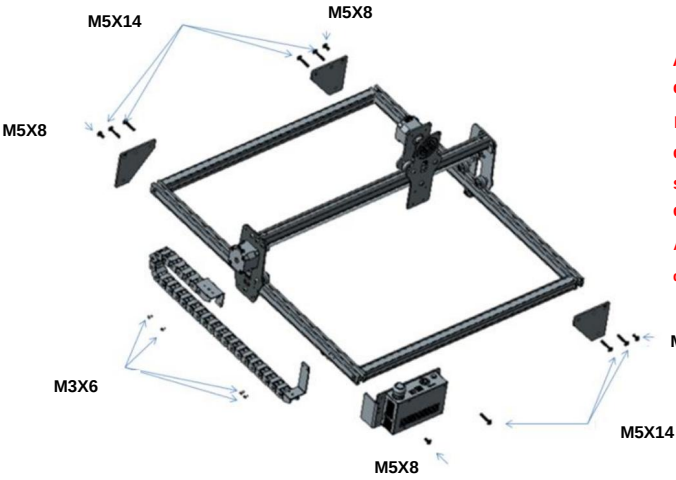


Voor 20W

Stap 2 Installeren de X-asassemblage



Stap 3 ▫ Installeer de de steunvoetconstructie en tankketting van de Y-as.

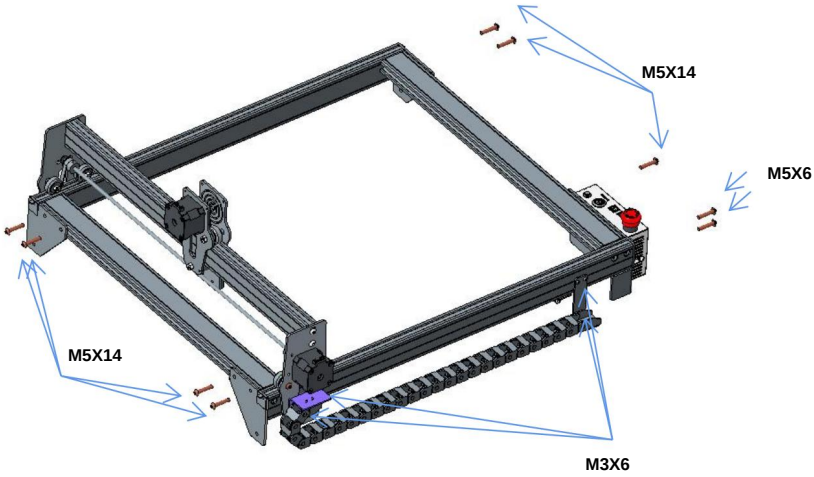


Als u na de montage merkt dat de vier poten

Niet uitgelijnd? Draai de schroeven van de steunvoetjes iets los. Na de vier voetjes

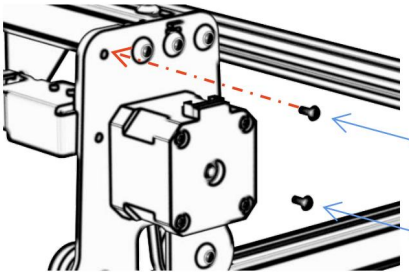
Als ze goed uitgelijnd zijn, draai je de schroeven weer vast.

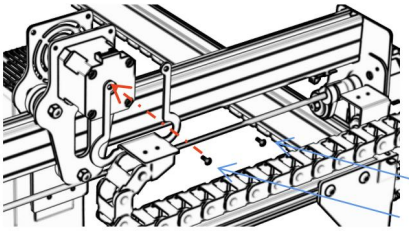
Voor 5W/10W



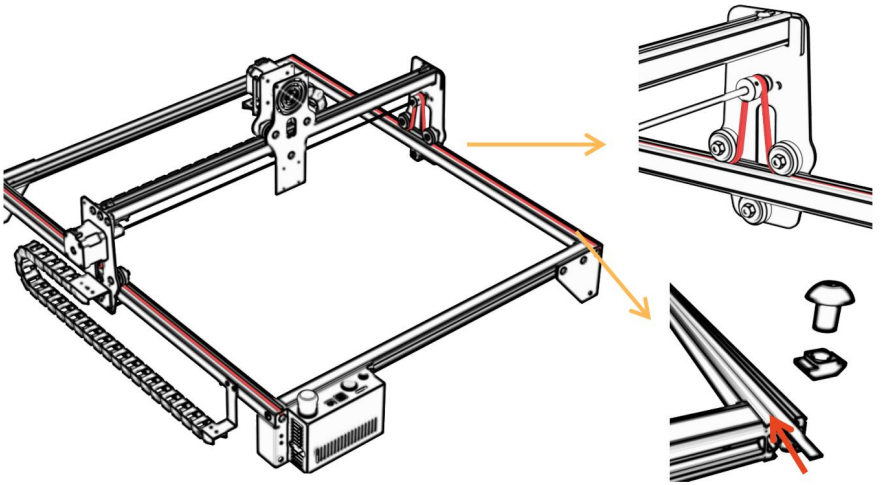
Voor 20W

Stap 4: Installeer de tankketting van de X-as.

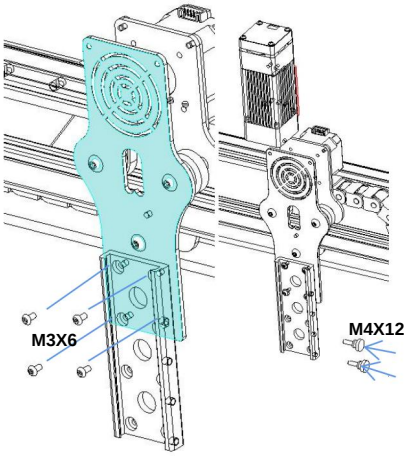




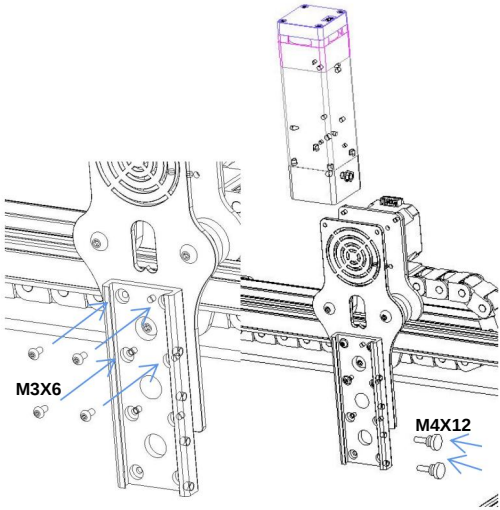
Stap 5 Installeren de distributieriem



Stap 6.1 Stap 6 Laserinstallatie (voor 5W- en 10W-modellen)

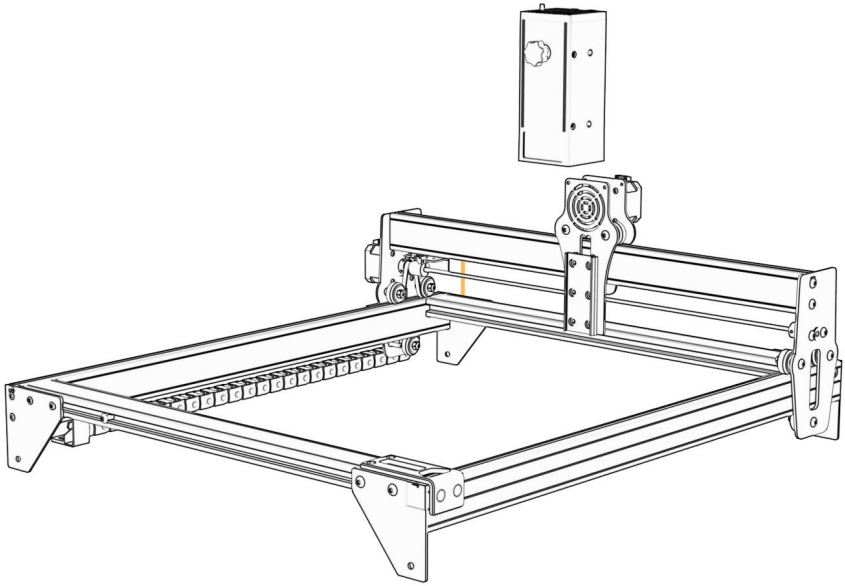


Voor 5W

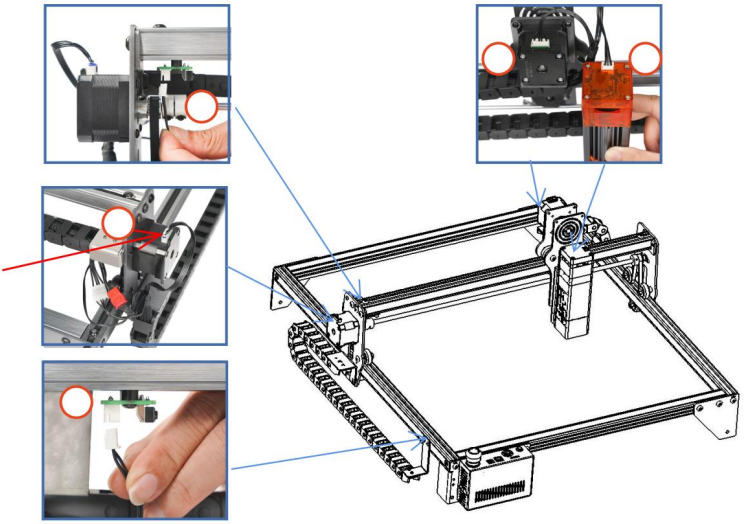


Voor 10W

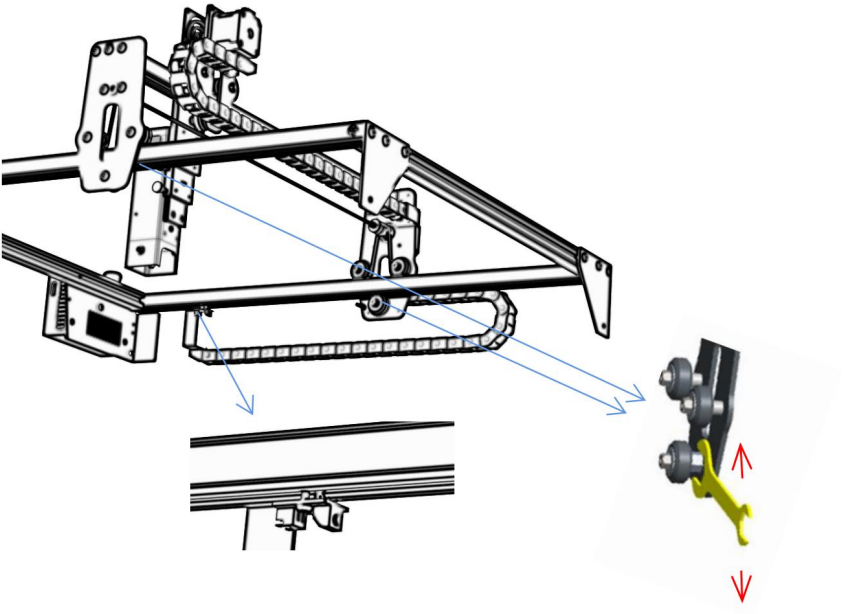
Stap 6.2 Montage van de laser (voor 20 W)



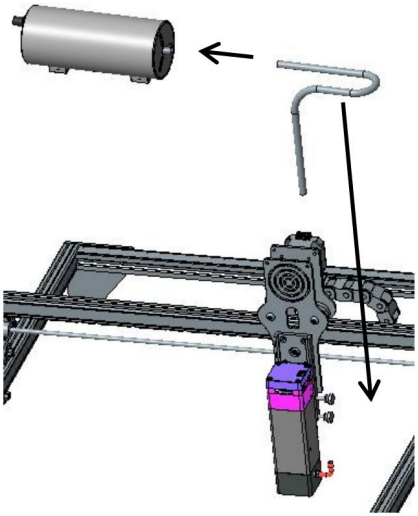
Stap 7 Installeer de kabel



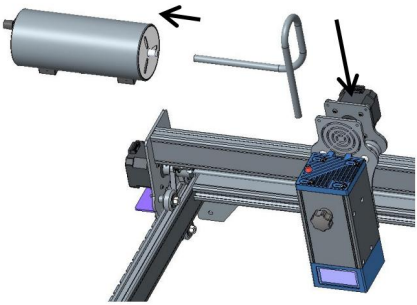
Stap 8: Stel het excentrische wiel af.



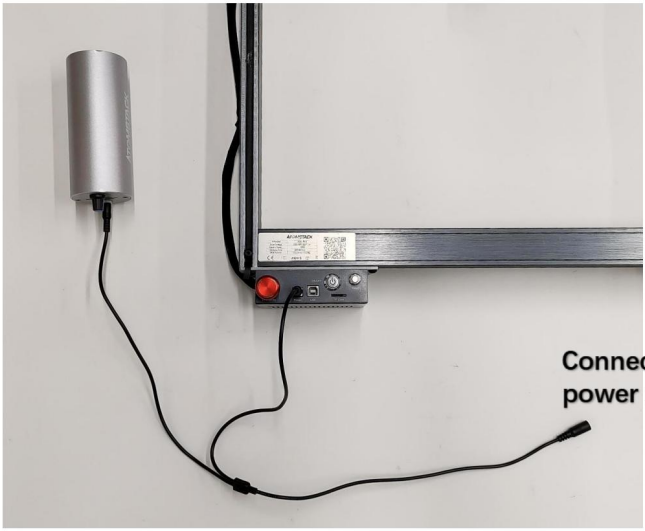
Stap 9 Een installatie met assistentie (geschikt) formatteringsairassiste dmodellen)



Voor 10W



Voor 20W



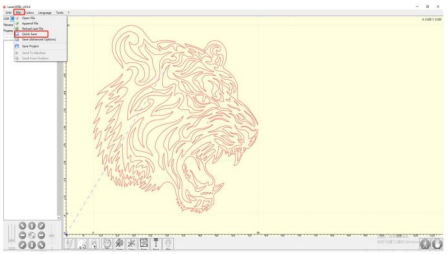
Deel 5 Beschrijving van de bedieningskast

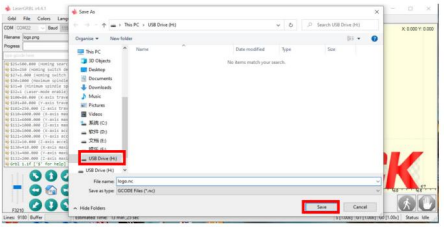


Controleer voor gebruik of de noodstopschakelaar in de bovenste stand staat.

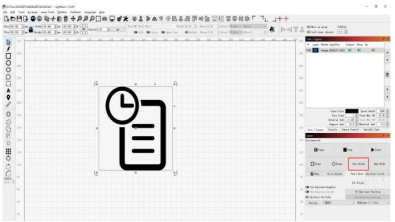
Instructies voor het exporteren van bestanden in nc- en gc-formaat.

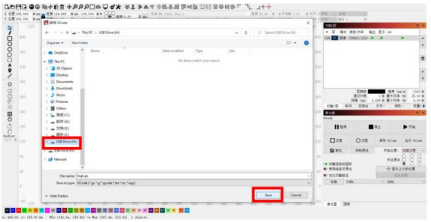
1.LaserGRBL software





2. Lightburn-software



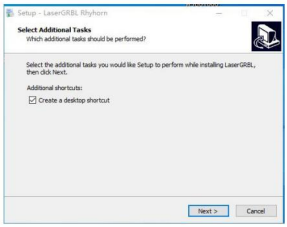


Deel 6: Software-installatie en -gebruik

1. **Downloading LaserGRBL software**
2. **Installing LaserGRBL**
3. **Aangepaste knoppen toevoegen**
4. **Sluit de lasergraveermachine aan**
5. **Graveerparameters instellen**
6. **Laserfocusafstelling**
7. **Positionering**
8. **Begin, einde, snijden of zagen**
9. **Installatiehandleiding voor LightBurn**

1. Downloading LaserGRBL software

2. Installing LaserGRBL



1: LaserGRBL

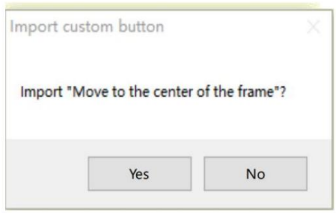
3. Aangepaste knoppen toevoegen



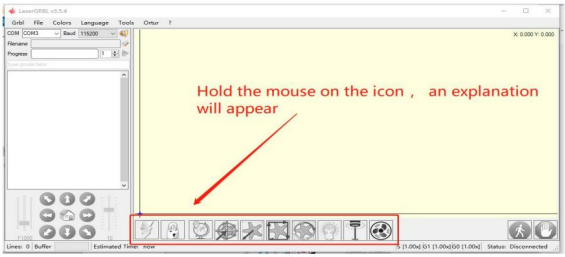
2:



3: een aangepaste knop toevoegen



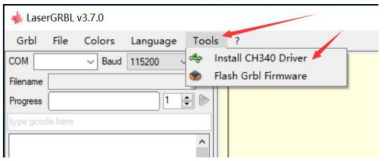
4:

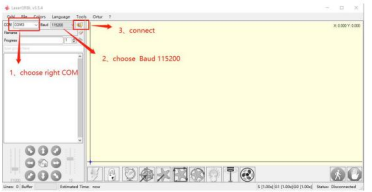


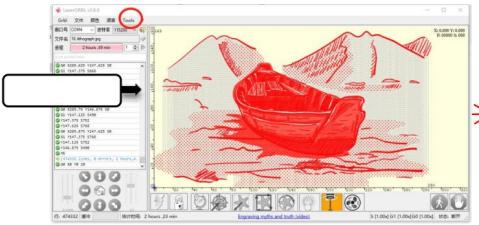
5:

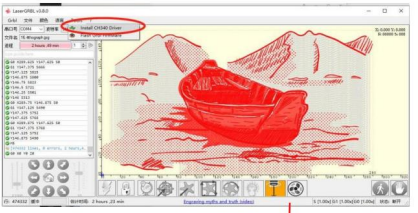
4. Sluit de lasergraveermachine aan

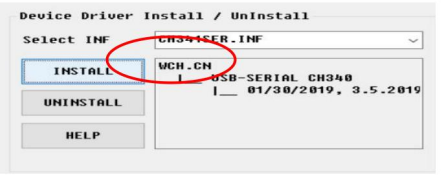



LaserGRBL v3.7.0
Grbl
File
Colors
Language
Tools
?
COM
Baud
115200
Filename
Progress
Install CH340 Driver
Flash Grbl Firmware

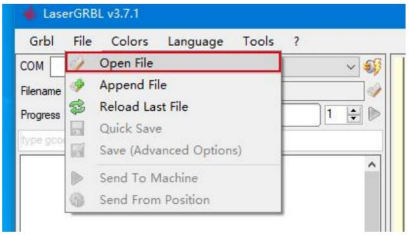

1、choose right COM
2、choose Baud 115200
3、connect



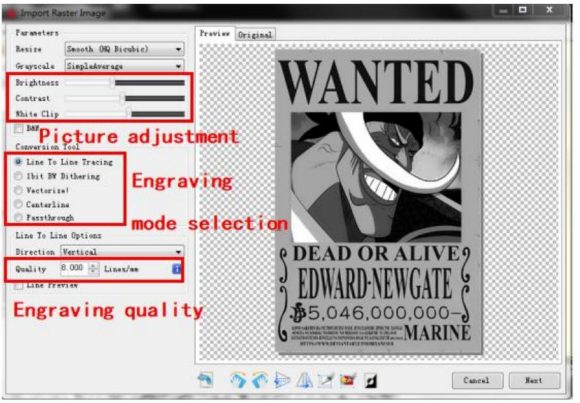


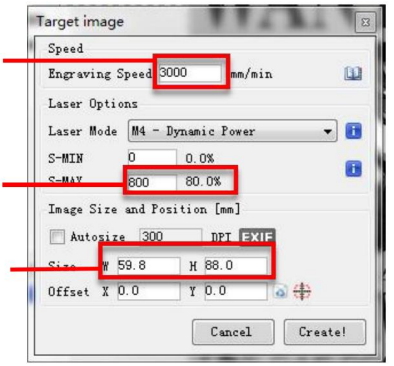

Device Driver Install / UnInstall
Select INF
CH341SER.INF
INSTALL
UNINSTALL
HELP
WCH.CN
USB-SERIAL CH340
01/30/2019, 3.5.2019

5. De graveerparameters instellen

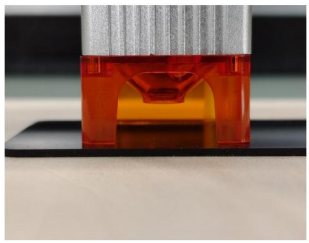


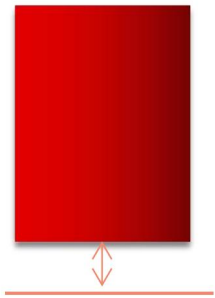
Bestand openen


Import Raster Image
Parameters
Resize
Smooth (HQ Bicubic)
Grayscale
SimpleAverage
Brightness
Contrast
White Clip
Conversion Tool
Line To Line Tracing
1bit BW Dithering
Vectorize!
Centerline
Passthrough
Line To Line Options
Direction
Vertical
Quality
8.000
Lines/mm
Line Preview
Preview
Original
WANTED
DEAD OR ALIVE
EDWARD·NEWGATE
5,046,000,000-
MARINE
Cancel
Next
Picture adjustment
Engraving
mode selection
Engraving quality

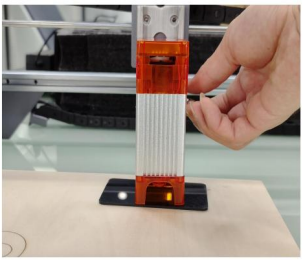

Target image
Speed
Engraving Speed
3000
mm/min
Laser Options
Laser Mode
M4 - Dynamic Power
S-MIN
0
0.0%
S-MAX
800
80.0%
Image Size and Position [mm]
Autosize
300
DPI
EXIF
Size
W
59.8
H
88.0
Offset
X
0.0
Y
0.0
Cancel
Create!

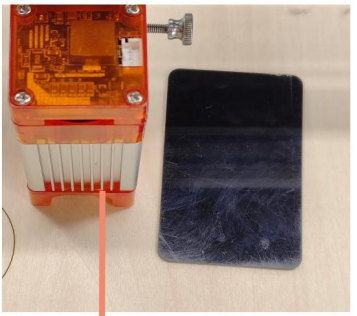
6. Laserfocusafstelling

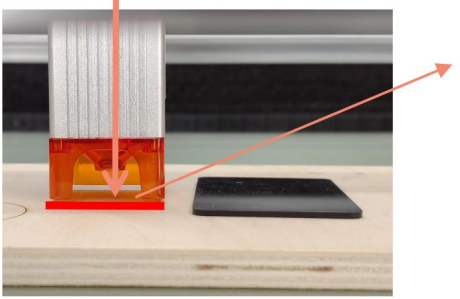




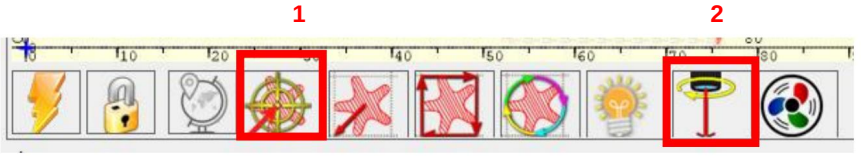
Laserfocus

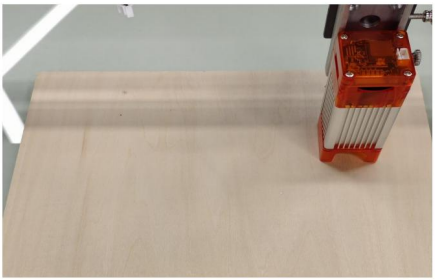


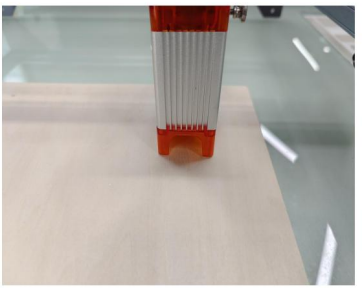


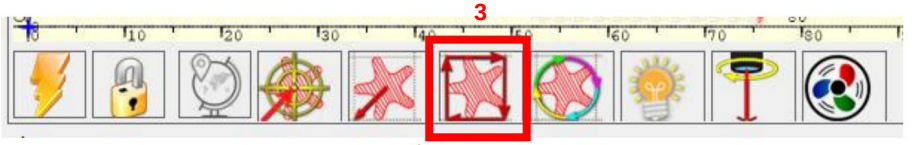


7. Positionering

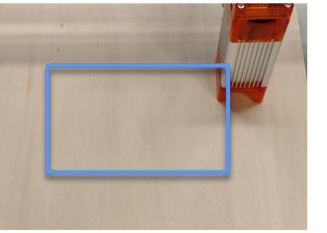




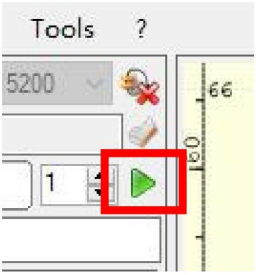


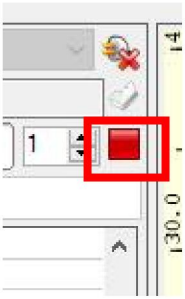

3


ATOMSTACK



8. Begin, einde, snijden of zagen





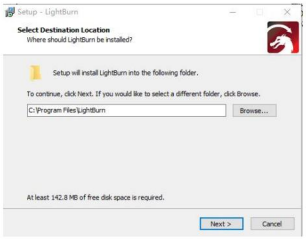
2

9. Installatiehandleiding LightBurn



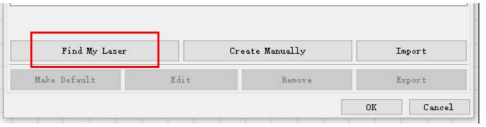
Afbeelding 3

Lichtbranden Softwarepakket

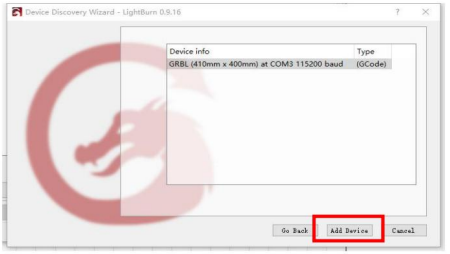


4

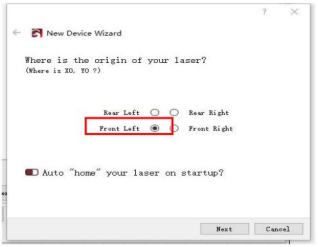




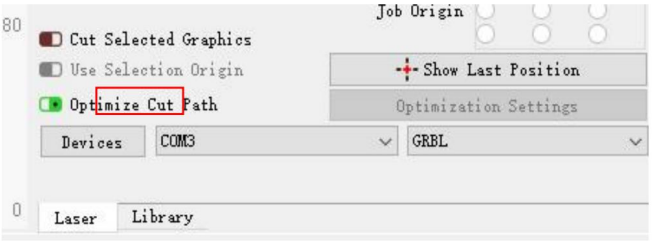
6


Device Discovery Wizard - LightBurn 0.9.16
Device info
Type
GRBL (410mm x 400mm) at COM3 115200 baud
(GCode)
Go Back
Add Device
Cancel

GRBL


New Device Wizard
Where is the origin of your laser?
(Where is X0, Y0 ?)
Rear Left
Rear Right
Front Left
Front Right
Auto "home" your laser on startup?
Next
Cancel

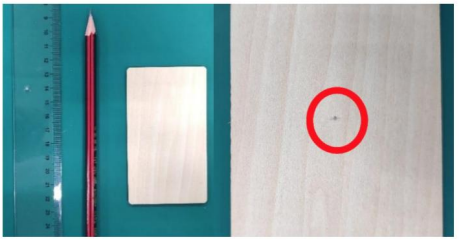
8


80
Job Origin
Cut Selected Graphics
Use Selection Origin
Show Last Position
Optimize Cut Path
Optimization Settings
Devices
COM3
GRBL
0
Laser
Library

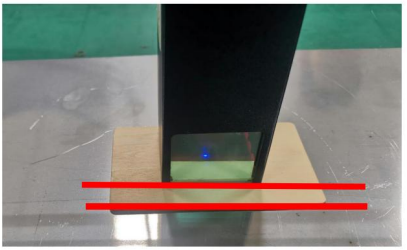
Deel 7: Technieken voor het gebruik van machines

1

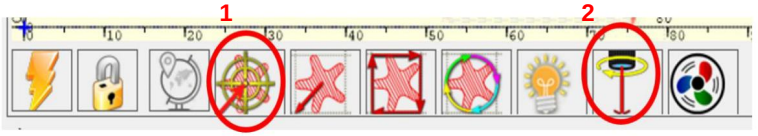
2



1



2



3

Deel 8: Onderhoudsinstructies en waarschuwingen

3. Reiniging van de lasermodule



Na een bepaalde gebruiksperiode van de lasermodule zal er...

Er blijven resten achter op de beschermkap, het koelblok en de lasermodule. Deze resten moeten tijdig worden verwijderd om de werking van de lasermodule niet te belemmeren. De voorruit en de beschermkap moeten vóór het reinigen worden verwijderd.

Deel 9: Lijst met accessoires

Deel 10: Voorzorgsmaatregelen bij veelvoorkomende problemen

1. Het product voldoet aan de relevante normen en voorschriften. De installatie van dit apparaat moet voldoen aan alle geldende voorschriften en het mag alleen worden gebruikt in goed geventileerde ruimtes. Lees de gebruikershandleiding voordat u dit apparaat installeert en gebruikt.

2. Dit apparaat is niet bedoeld voor gebruik door personen (inclusief kinderen) met beperkte fysieke, zintuiglijke of mentale vermogens, of gebrek aan ervaring en kennis, tenzij zij onder toezicht staan of instructies hebben gekregen over het gebruik van het apparaat van een persoon die verantwoordelijk is voor hun veiligheid.
3. Kinderen mogen niet met het apparaat spelen.
4. Dit apparaat is bedoeld voor huishoudelijk gebruik en soortgelijke toepassingen zoals: – Professionele werkplaats. 5. Gebruik het product volgens het
beoogde gebruik. Er bestaat een risico op letsel door verkeerd gebruik.

6. Schakel het apparaat uit en haal de stekker uit het stopcontact voordat u accessoires verwisselt of onderdelen benadert die tijdens gebruik bewegen. 7. Haal de stekker
van het apparaat altijd uit het stopcontact als u het onbeheerd achterlaat en voordat u het monteert, demonteert of schoonmaakt.
8. WAARSCHUWING: Gebruik uitsluitend de voedingseenheid die bij dit apparaat is meegeleverd.
9. WAARSCHUWING: Gebruik uitsluitend een externe voeding met de volgende specificaties: 100~240VAC.

10.

WAARSCHUWING: Risico op persoonlijk letsel. Houd handen, haar, kleding en sieraden uit de buurt van bewegende onderdelen en het snijblad tijdens gebruik.
Raak het snijblad niet direct aan. Het blad is scherp en kan snijwonden veroorzaken.
Schakel de stroom uit voordat u de machine schoonmaakt, het mes vervangt, afstelt of onderhoudt.

Deze machine is niet bedoeld voor gebruik door kinderen of personen met beperkte fysieke, zintuiglijke of mentale vermogens.
Gebruik het apparaat niet als het netsnoer of de stekker beschadigd is.
Plaats het apparaat tijdens gebruik op een stabiele, vlakke en droge ondergrond.
Stel het apparaat niet bloot aan water, vocht of brandbare stoffen.
Gebruik uitsluitend de voeding en spanning die op het productetiket staan vermeld.
Blokkeer of bedek de ventilatieopeningen niet.
Zorg ervoor dat de werkplek schoon en goed verlicht is.
LET OP:

Gebruik uitsluitend originele of aanbevolen messen en accessoires.
Overbelast de machine niet boven zijn beoogde capaciteit.
Haal de stekker uit het stopcontact als u het apparaat gedurende langere tijd niet gebruikt.
Trek of forceer het materiaal niet tijdens het snijden.
BELANGRIJKE VEILIGHEIDSINSTRUCTIES Lees alle

instructies voordat u het apparaat gebruikt.
Bewaar deze handleiding voor toekomstig gebruik.

Volg alle waarschuwingen en bedieningsinstructies op die op het apparaat staan vermeld.
Gebruik de machine uitsluitend voor het beoogde doel.



VEVOR

Upgrade · The Home Creator Way

Refererar till instruktionsvideo är avgörande. Produktens funktion kan äventyras om de visade metoderna inte implementeras eller om varningar förbises.

Skanna QR-koden för att se en video om hur du använder den.

8-språkig version av manualen

Lasergravör

Modell: A7, G3

F03-0266-0AA1 Version: A

VEVOR | Upgrade
The Home Creator Way

A7 5W



A7 10W



G3 20W



Symbol	Symbolbeskrivning
	**Varning -**
	
	**Fara!**
	**Varning-**
	
	**Information om avfallshantering:**
	**FCC-uttalande:**

Del 1: Säkerhetsutlåtande före installation

Läs noggrant igenom denna säkerhetsguide innan du använder lasergraveringsmaskinen. Den innehåller information om situationer som kräver särskild uppmärksamhet, samt varningar om osäkra metoder som kan orsaka sk till din egendom eller till och med äventyra din personliga säkerhet.

1

2

Obs: Metoder för att skydda människor från strålning när personer befinner sig inuti skyddshöljet kan inkludera tryckkänsliga golvmattor, infraröda detektorer etc.

3

4

5

6

7.

Del 2 Användarsäkerhetspolicy

2.1 Lasersäkerhet

2.2 Brandsäkerhet

2.3 Material safety

Gravera inte material med okända egenskaper.
Rekommenderas: Trä, bambu, läder, plast, tyg, papper, ogenomskinligt akrylglas. Material som inte rekommenderas: Guld, silver, koppar, aluminium, genomskinlig och halvgenomskinlig akryl, ädelstenar, transparenta material, reflekterande material etc. Om reflekterande material behöver graveras rekommenderas att använda en penna för att rita svart för att undvika reflektion.

2.4 Use Safety

Use the engraver only in horizontal position and ensure that it has been securely fixed to prevent fires caused by accidental shifting or dropping from the workbench during work. It is forbidden to point the laser to people, animals or any combustible object, whether it is in working condition or not.

2.5 Power safety

To prevent accidental disasters such as fire and electric shock, the laser engr aver provides a power adapter with a ground wire. When using the laser engraving machine, insert the power plug into a power socket with a ground wire with a ground wire when using the Laser Engraver.

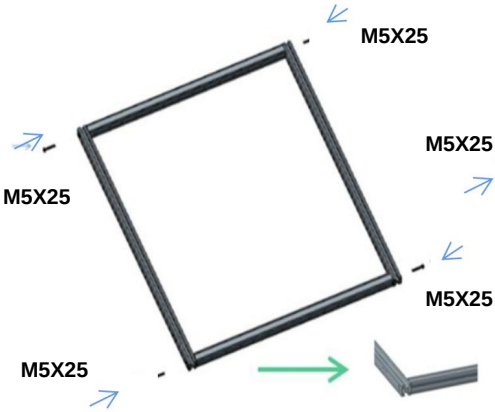
2.6 Environment safety

When installing engraving and cutting equipment, please make sure that the workplace must be cleaned up, and there should be no flammable and explosive materials around the equipment. A metal plate must be placed under the bottom when engraving or cutting.

Del 3: Friskrivningsklausul och varning

Del 4 Installationssteg

Steg 1 Montera ramen

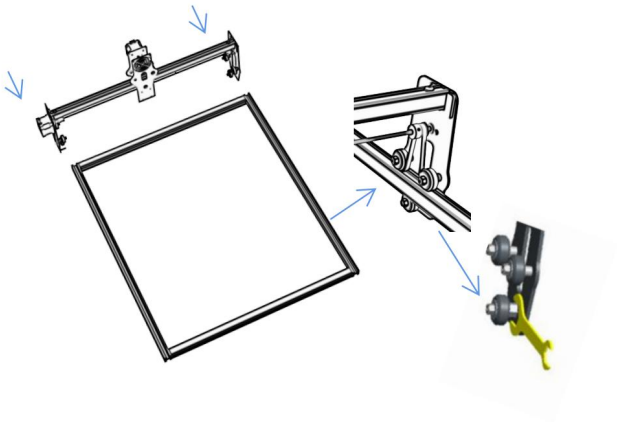


För 5W/10W

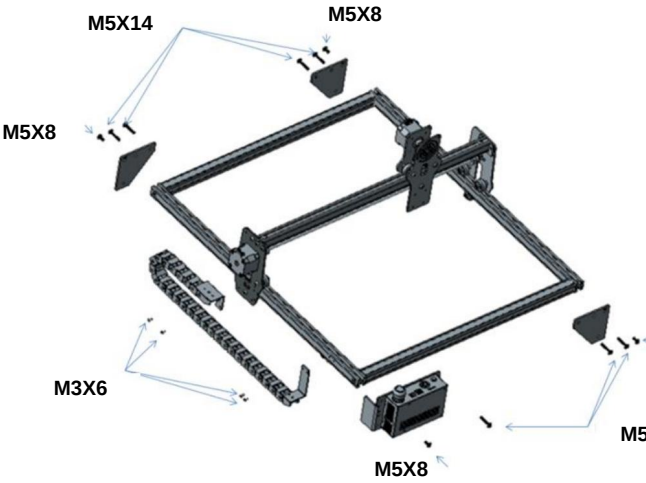


För 20W

S steg 2 Jag installerar X-axelaggregatet

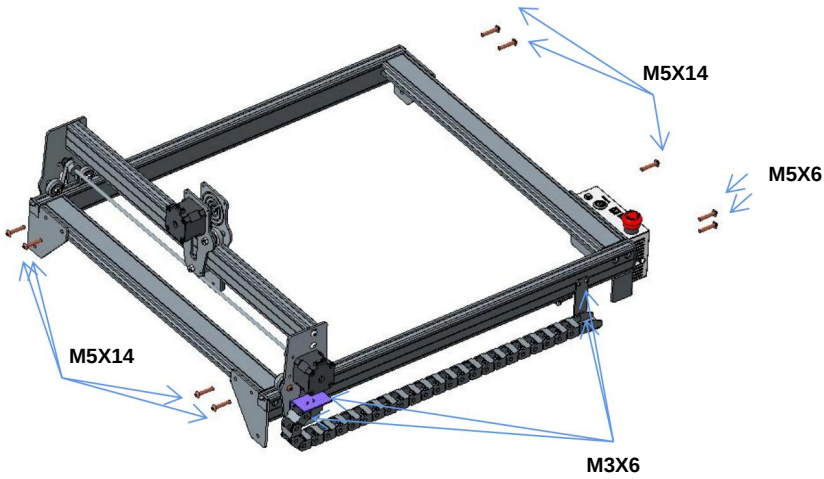


S steg 3 ▫ Installera Y-axelns tankkedja ▫ stödfotmonteringen och



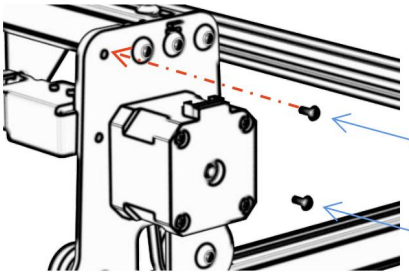
Om du upptäcker att de fyra fötterna är lösa efter monteringen inte är i linje, lossa skruvarna på stödfötterna något. Efter de fyra fötterna är i linje, dra åt skruvarna igen.

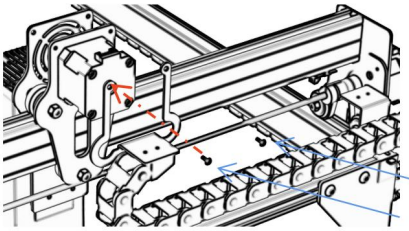
För 5W/10W



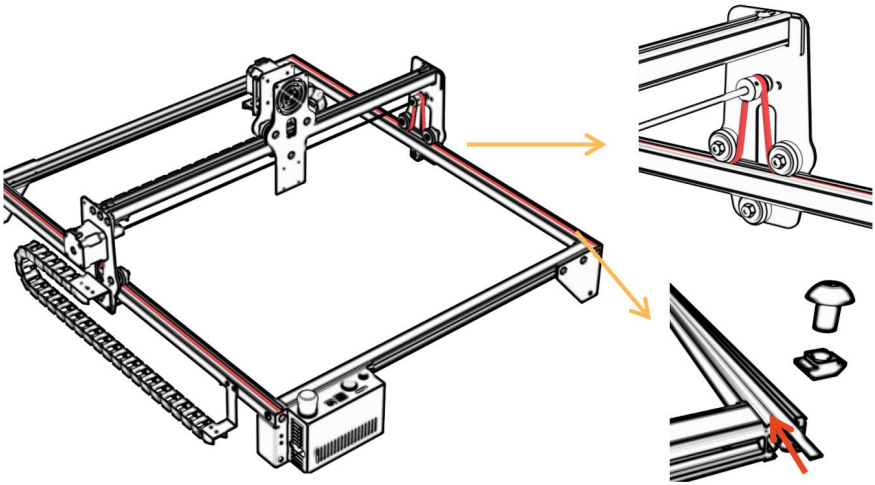
För 20W

Steg 4 Installera X-axelns tankkedja

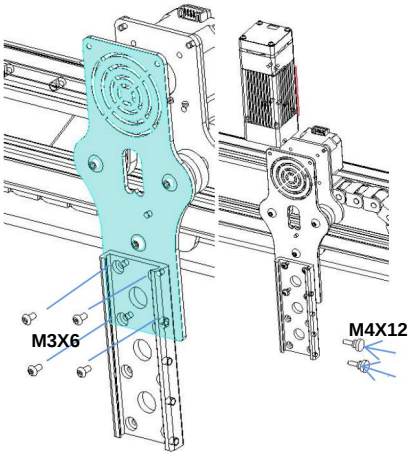




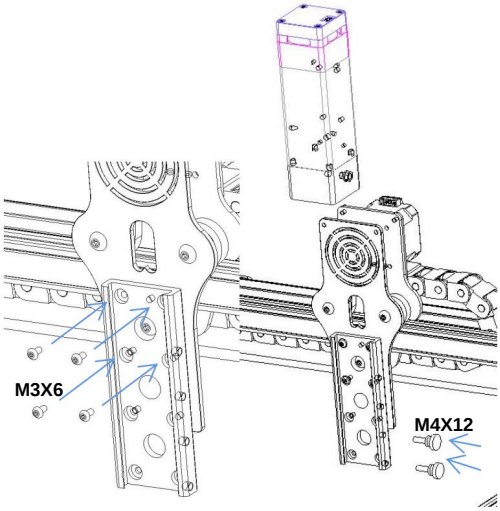
Steg 5 Installera kamremmen



Steg 6. 1 Steg 6 Laserinstallation (för 5 W- och 10 W-modeller)

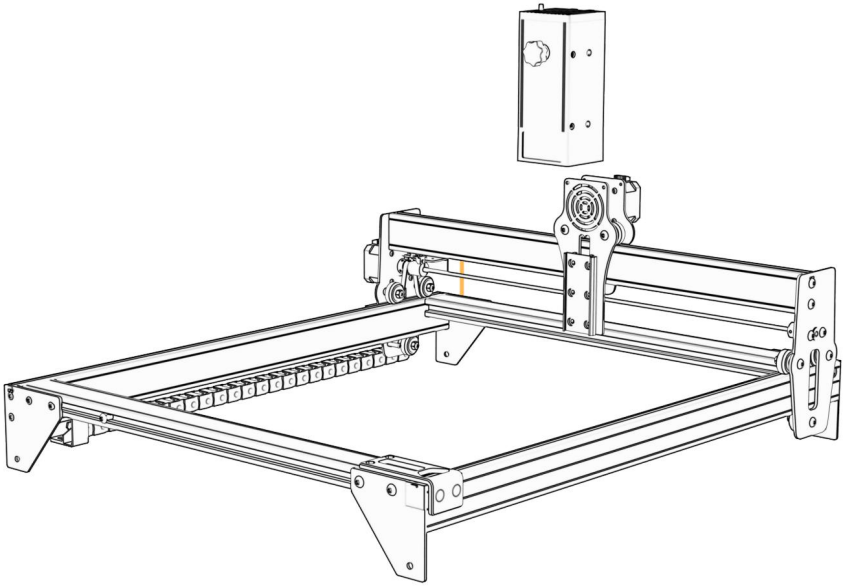


För 5W

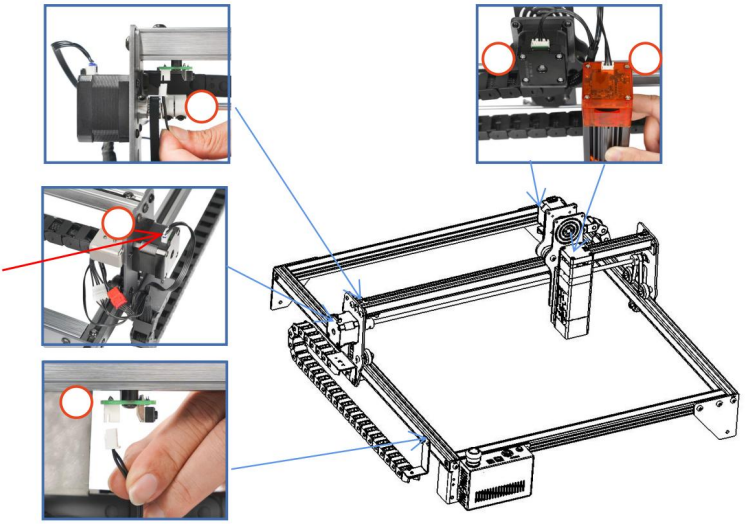


För 10W

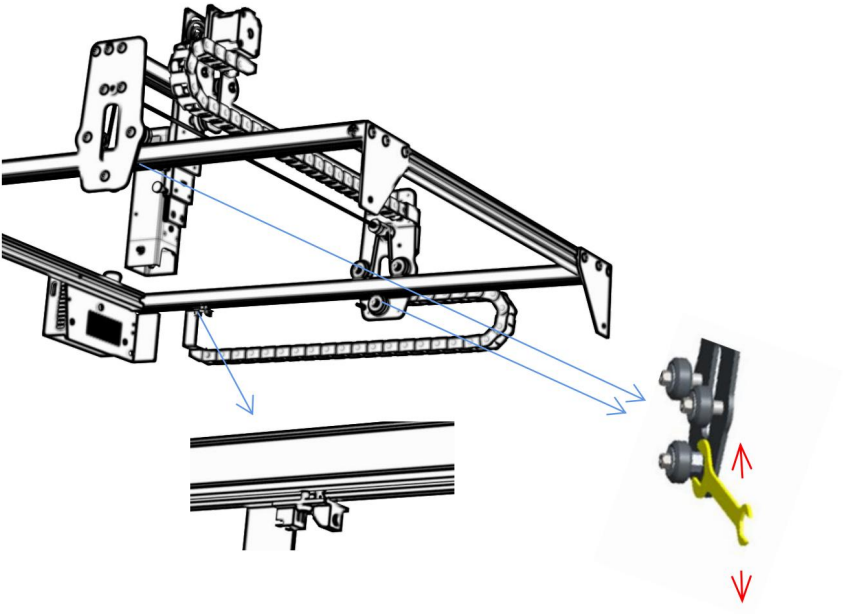
Steg 6. 2 Montering av laser (för 20 W)



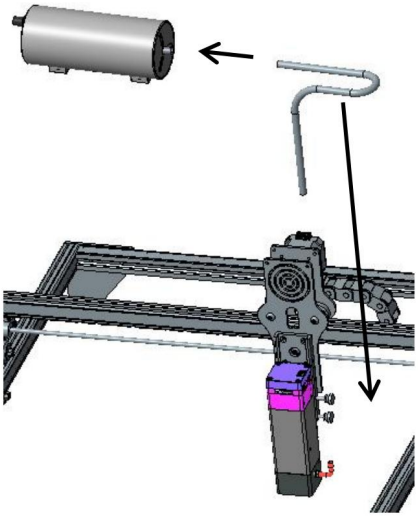
Steg 7 Installera kabeln



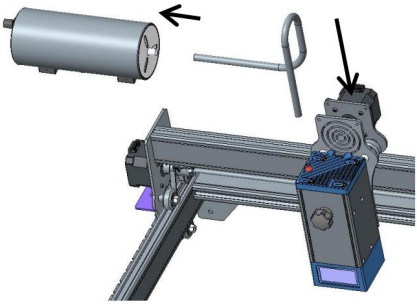
Steg 8 Justera excentriskt hjul



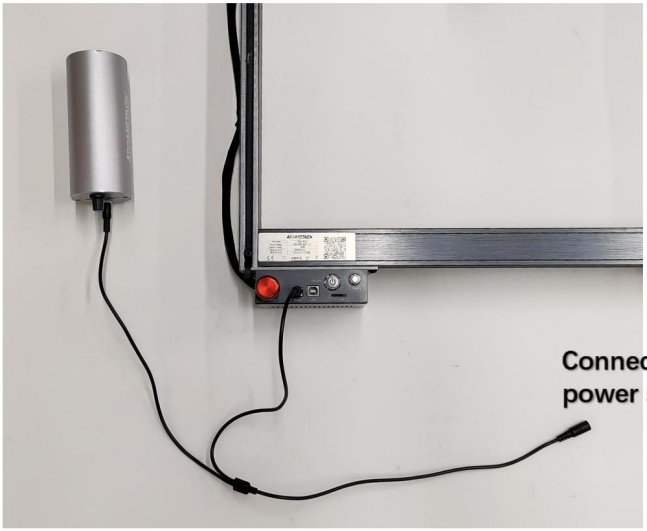
Steg 9 En irassisterad installation (lämplig)
formateringluftassistans dmodeller)



För 10W



För 20W



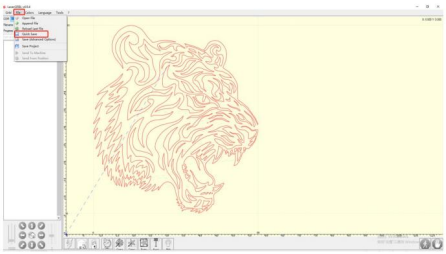
Del 5 Beskrivning av kontrollboxen

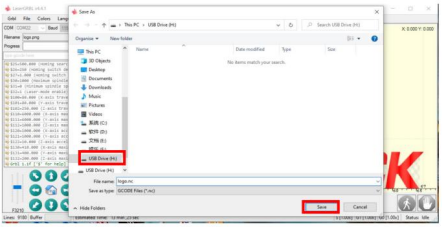


Se till att nödstoppsbrytaren är i uppåtriktat läge före användning.

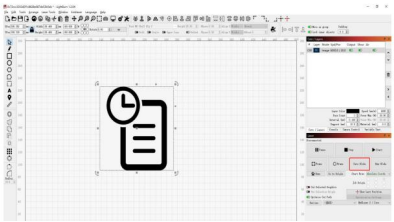
Instruktioner för export av filer i nc- och gc-format

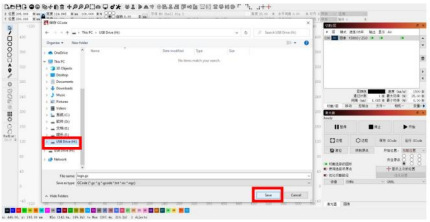
1. LaserGRBL-programvara





2. Lightburn-programvara





Del 6 Programvaruinstallation och användning

1. Ladda ner programvaran LaserGRBL

2. Installera LaserGRBL

3. Lägga till anpassade knappar

4. Anslut lasergraveringsmaskinen

5. Ställa in graveringsparametrar

6. Justering av laserfokus

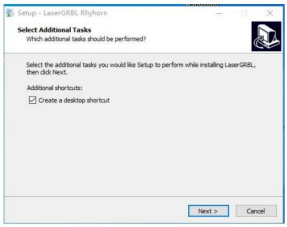
7. Positionering

8. Start, avslutning snidning eller skärning

9. LightBurn installationshandledning

1. Ladda ner programvaran LaserGRBL

2. Installera LaserGRBL



1: LaserGRBL

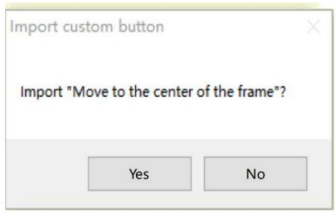
3. Lägga till anpassade knappar



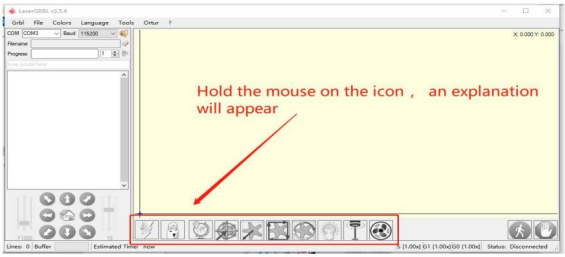
2:



3: lägga till en anpassad knapp



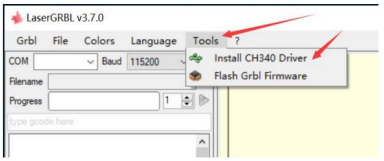
4:

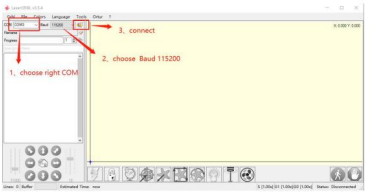


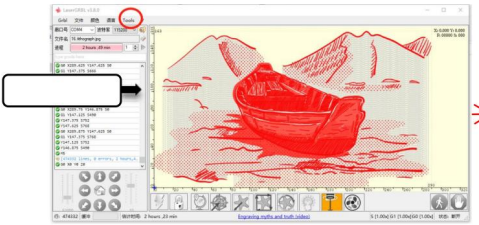
5:

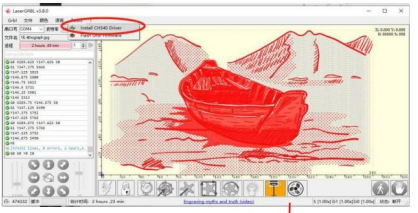
4. Anslut lasergraveringsmaskinen

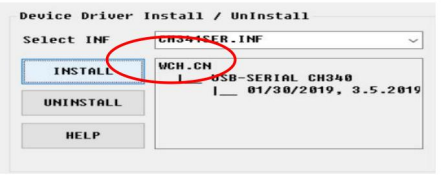



LaserGRBL v3.7.0
Grbl
File
Colors
Language
Tools
?
COM
Baud
115200
Filename
Progress
Install CH340 Driver
Flash Grbl Firmware

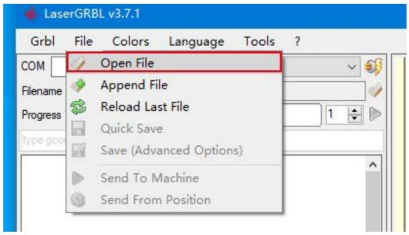

1、choose right COM
2、choose Baud 115200
3、connect



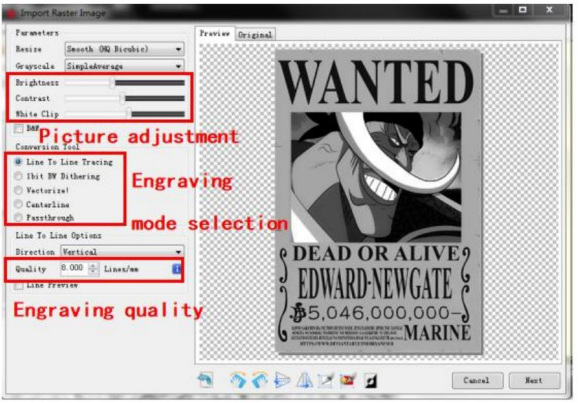


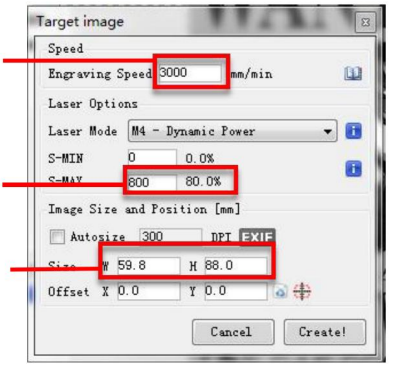

Device Driver Install / UnInstall
Select INF
CH341SER.INF
INSTALL
UNINSTALL
HELP
WCH.CN
USB-SERIAL CH340
01/30/2019, 3.5.2019

5. Ställa in graveringsparametrar

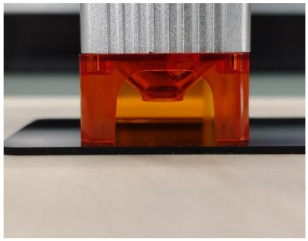


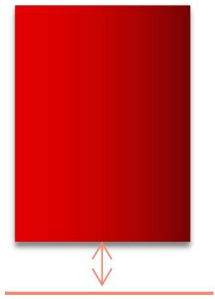
Öppna filen


Import Raster Image
Parameters
Resize
Smooth (HQ Bicubic)
Grayscale
SimpleAverage
Brightness
Contrast
White Clip
Conversion Tool
Line To Line Tracing
1bit BW Dithering
Vectorize!
Centerline
Passthrough
Line To Line Options
Direction
Vertical
Quality
8.000
Lines/mm
Line Preview
Preview
Original
WANTED
DEAD OR ALIVE
EDWARD·NEWGATE
5,046,000,000-
MARINE
Cancel
Next
Picture adjustment
Engraving
mode selection
Engraving quality

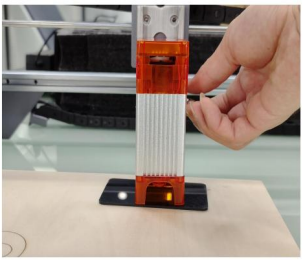

Target image
Speed
Engraving Speed
3000
mm/min
Laser Options
Laser Mode
M4 - Dynamic Power
S-MIN
0
0.0%
S-MAX
800
80.0%
Image Size and Position [mm]
Autosize
300
DPI
EXIF
Size
W
59.8
H
88.0
Offset
X
0.0
Y
0.0
Cancel
Create!

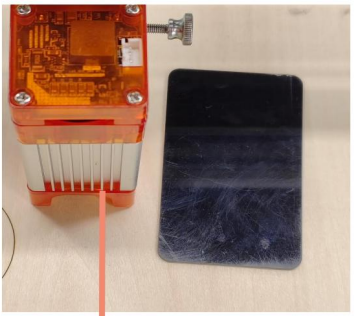
6. Justering av laserfokus

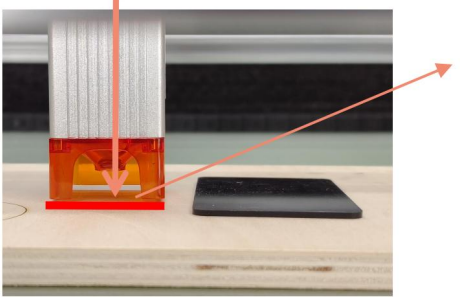




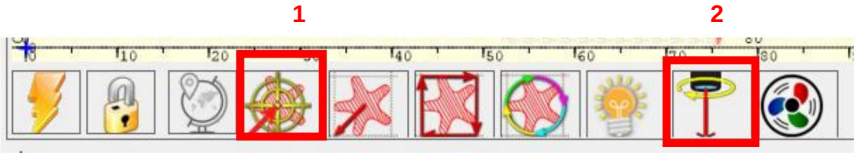
Laserfokus

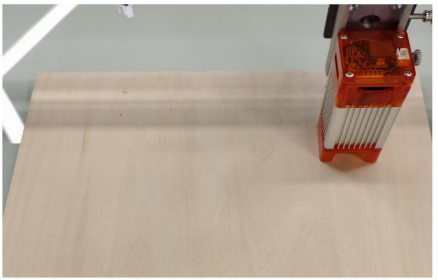


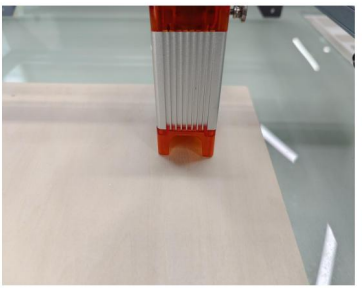


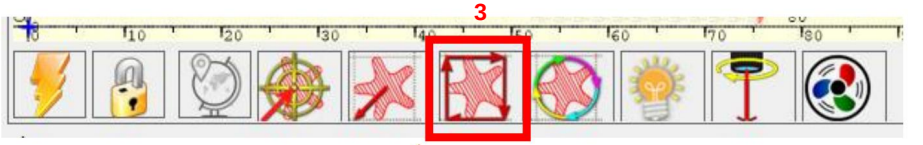


7. Positionering

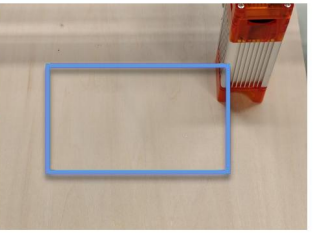




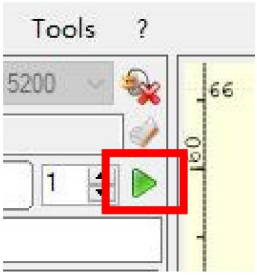


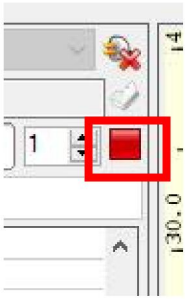

3


ATOMSTACK



8. Start, avslutning snidning eller skärning





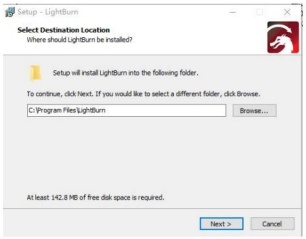
2

9. LightBurn installationshandledning



Bild3

Ljusbränna
Programvarupaket

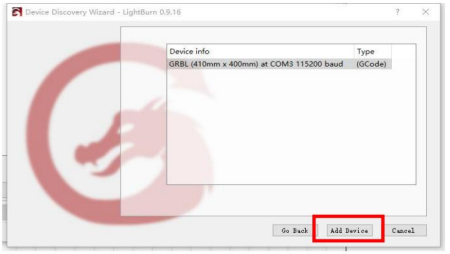


4

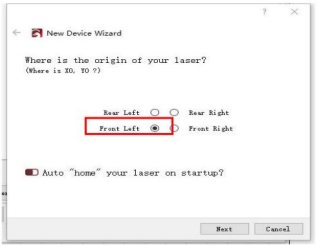




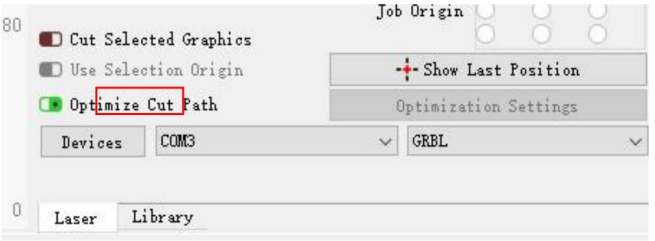
6


Device Discovery Wizard - LightBurn 0.9.16
Device info
Type
GRBL (410mm x 400mm) at COM3 115200 baud
(GCode)
Go Back
Add Device
Cancel

GRBL


New Device Wizard
Where is the origin of your laser?
(Where is X0, Y0 ?)
Rear Left
Rear Right
Front Left
Front Right
Auto "home" your laser on startup?
Next
Cancel

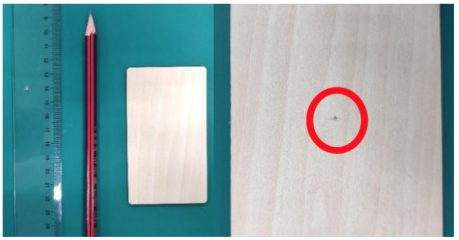
8


80
Job Origin
Cut Selected Graphics
Use Selection Origin
Show Last Position
Optimize Cut Path
Optimization Settings
Devices
COM3
GRBL
0
Laser
Library

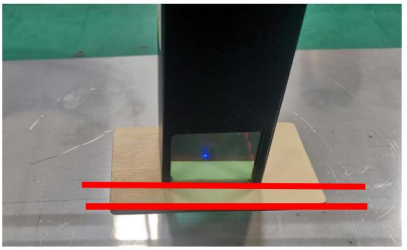
Del 7: Tekniker för att använda maskiner

1

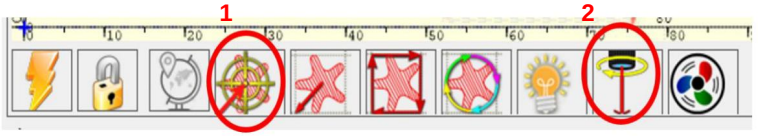
2



1



2



3

Del 8: Underhållsinstruktioner och varningar

3. Rengöring av lasermodulen



Efter en tids användning av lasermodulen kommer det att finnas Vissa rester finns kvar på skyddshöljet, kylflänsen och laserhuvudet. Resterna måste rengöras i tid så att de inte påverkar lasermodulens användning. Vindrutan och skyddshöljet måste tas bort före rengöring.

Del 9: Lista över tillbehör

Del 10: Försiktighetsåtgärder vid vanliga problem

1. Produkten uppfyller relevanta standarder och föreskrifter. Installationen av denna enhet måste uppfylla alla tillämpliga föreskrifter och den bör endast användas i välventilerade utrymmen. Läs användarmanualen innan du installerar och använder denna utrustning.

2. Denna apparat är inte avsedd att användas av personer (inklusive barn) med nedsatt fysisk, sensorisk eller mental förmåga, eller bristande erfarenhet och kunskap, såvida de inte har övervakats eller fått instruktioner om användningen av apparaten av en person som ansvarar för deras säkerhet.
3. Barn får inte leka med apparaten.
4. Denna apparat är avsedd att användas i hushållet och liknande tillämpningar såsom: – Professionell verkstad 5. Använd produkten enligt avsett
ändamål. Varna för potentiella skador vid felaktig användning.

6. Stäng av apparaten och koppla bort den från strömförsörjningen innan du byter tillbehör eller närmar dig rörliga delar under användning. 7. Koppla alltid
bort apparaten från strömförsörjningen om den lämnas utan uppsikt och innan montering, demontering eller rengöring.
8. VARNING: Använd endast den försörjningsenhet som medföljer denna apparat.
9. VARNING: Använd endast en extern strömförsörjning med följande specifikationer: 100~240VAC.

10. VARNING

Risk för personskada. Håll händer, hår, kläder och smycken borta från rörliga delar och skärbladet under drift.
Rör inte direkt vid skärbladet. Bladet är vasst och kan orsaka skärsår.
Koppla ur strömmen innan du rengör, byter blad, justerar eller underhåller maskinen.

Denna maskin är inte avsedd att användas av barn eller personer med nedsatt fysisk, sensorisk eller mental förmåga.
Använd inte maskinen om nätsladden eller kontakten är skadad.
Placera maskinen på en stabil, plan och torr yta under användning.
Utsätt inte maskinen för vatten, fukt eller brandfarliga ämnen.
Använd endast den strömförsörjning och spänning som anges på produktetiketten.
Blockera eller täck inte över ventilationsöppningarna.
Håll arbetsområdet rent och väl upplyst.
VARNING

Använd endast original- eller rekommenderade knivar och tillbehör.
Överbelasta inte maskinen utöver dess avsedda kapacitet.
Koppla ur maskinen när den inte används under en längre tid.
Dra eller tvinga inte i materialet under skärning.
VIKTIGA SÄKERHETSINSTRUKTIONER Läs alla

instruktioner innan du använder maskinen.
Spara denna manual för framtida bruk.

Följ alla varningar och bruksanvisningar som är markerade på maskinen.
Använd inte maskinen för något annat ändamål än det avsedda ändamålet.

