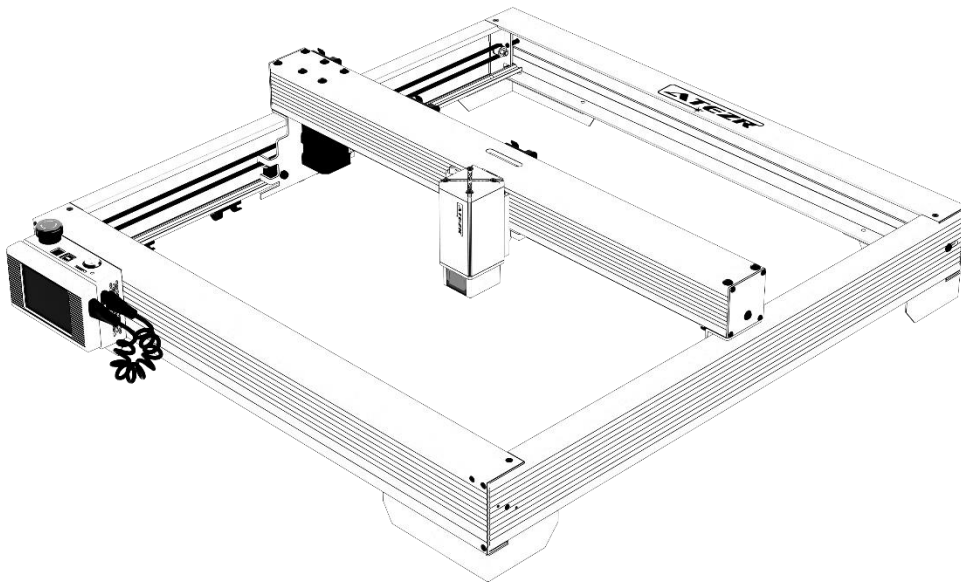


Atezzr User Guide



- ☒ English
- ☒ Deutsche
- ☒ Français
- ☒ Italiano
- ☒ Español



Version: 2.0

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Disclaimer

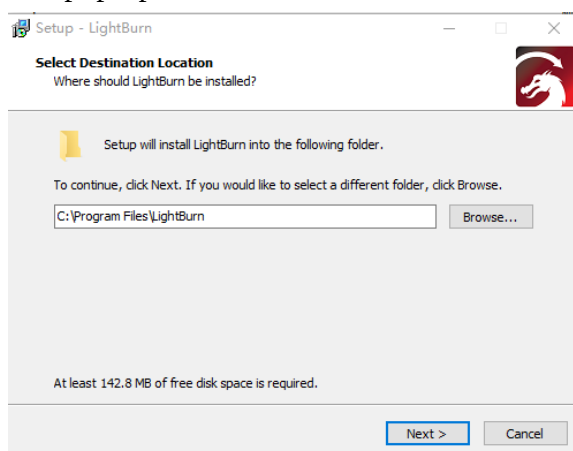
If you need to control Atezr through LightBurn, download the official release of the LightBurn software. LightBurn is the third-party software, and therefore Atezr service shall bear no responsibility for any loss caused due to the operation of LightBurn. The firmware of Atezr has been tested in detail by Atezr incompatibility with the software or hardware may still occur. If errors occur due to incompatibility, you can contact our customer department service for technical support.
atezr@service.com

Obtain and Install LightBurn

1. Download the file from the LightBurn website:
<https://lightburnsoftware.com/>



2. Double-click on the installation package to install and click "Next" in the pop-up window

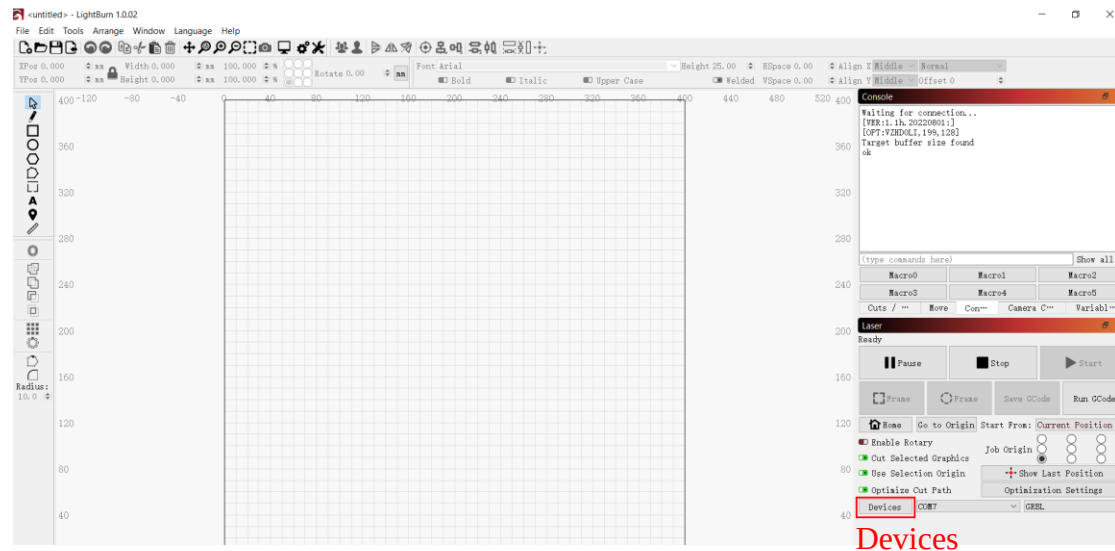


3. Click start your free trial

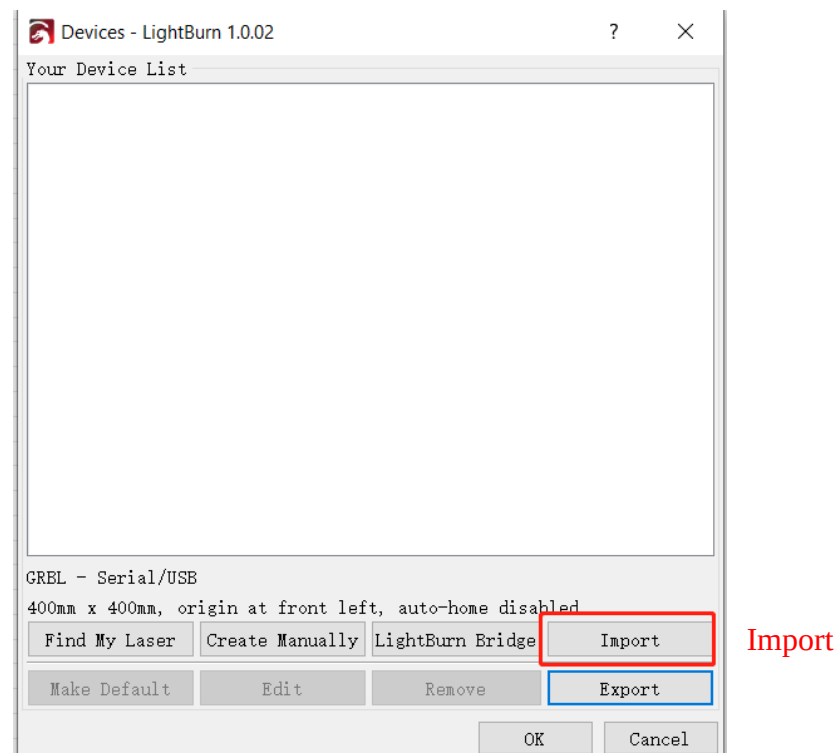


Configure Atezzr on LightBurn

Step 1 Click Devices

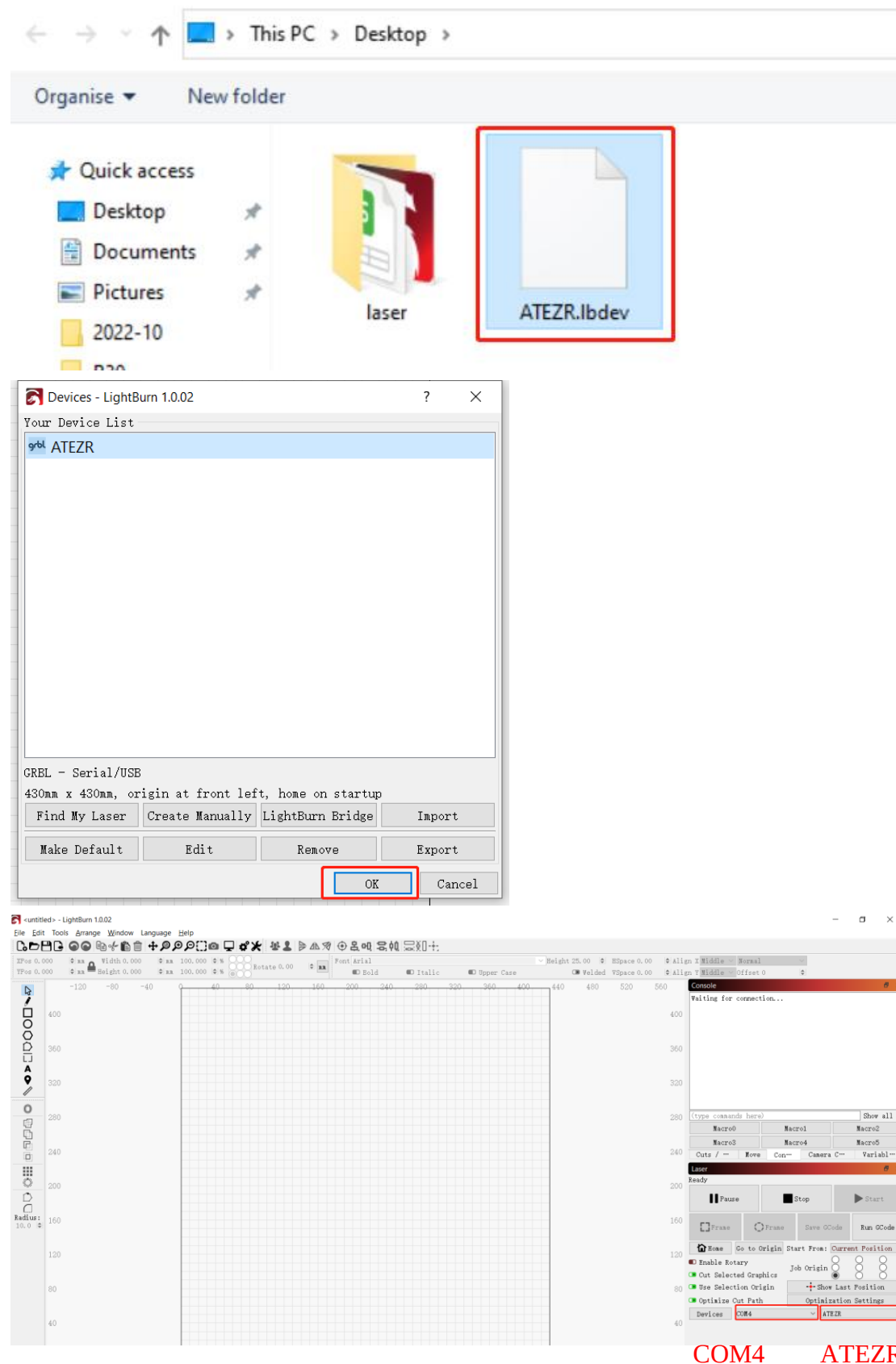


Step 2 Import the File Atezzr_Prefs



Configuration File for Lightburn to Recognize Atezzr is in the attached TF card. File name: ATEZR.lbdev

Load Device Profile

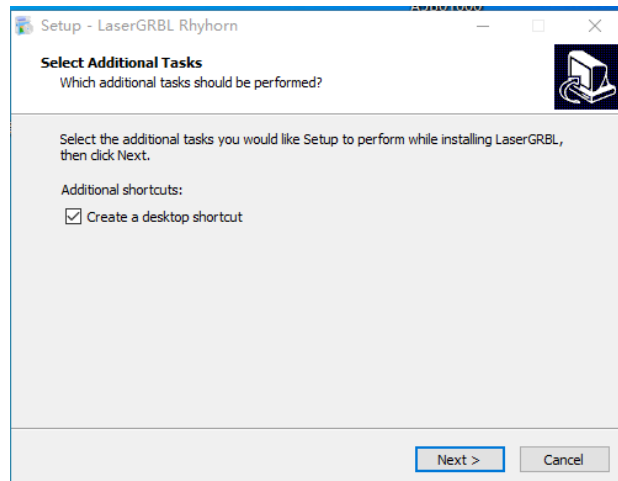


Select serial port and ATEZR. If the connection is OK, the configuration is imported successfully.

Configure Atezr on LaserGRBL

Step 1 Download and Install LaserGRBL

1. Download the file from below website, install the software
<http://lasergrbl.com/download/>



Step 2 Add Custom Buttons

1. 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 in figure2 below.

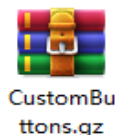


Figure 1: Software Installation

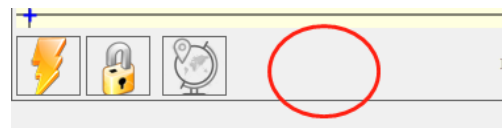


Figure 2: Add custom button

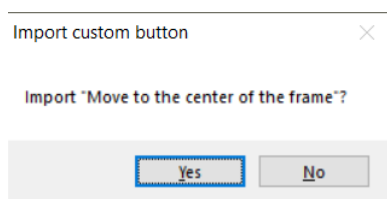


Figure 3: Custom button loading

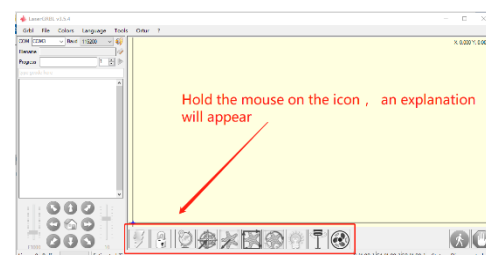
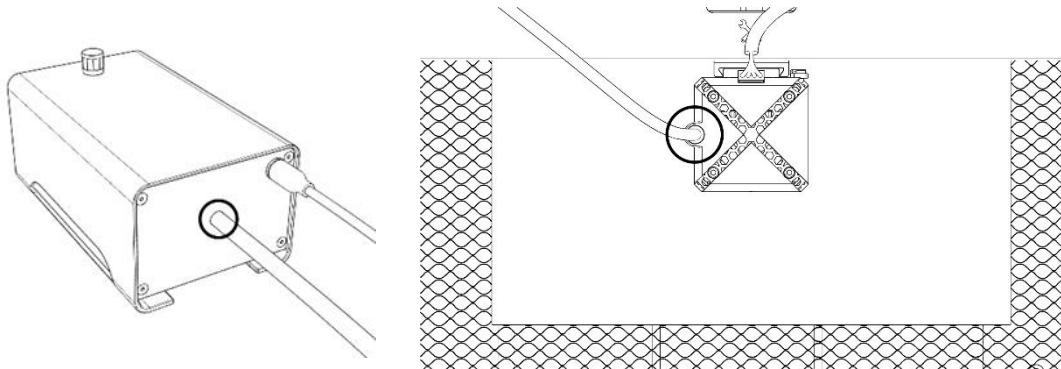


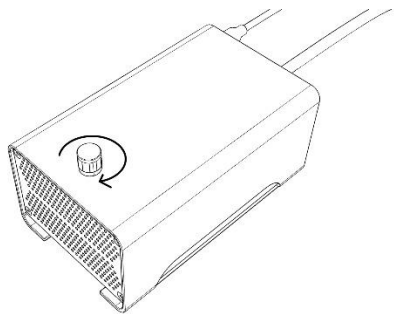
Figure 4: Software button

Operation Guide Air Assist Processing

Step 1 Connect the Tube to Laser Module

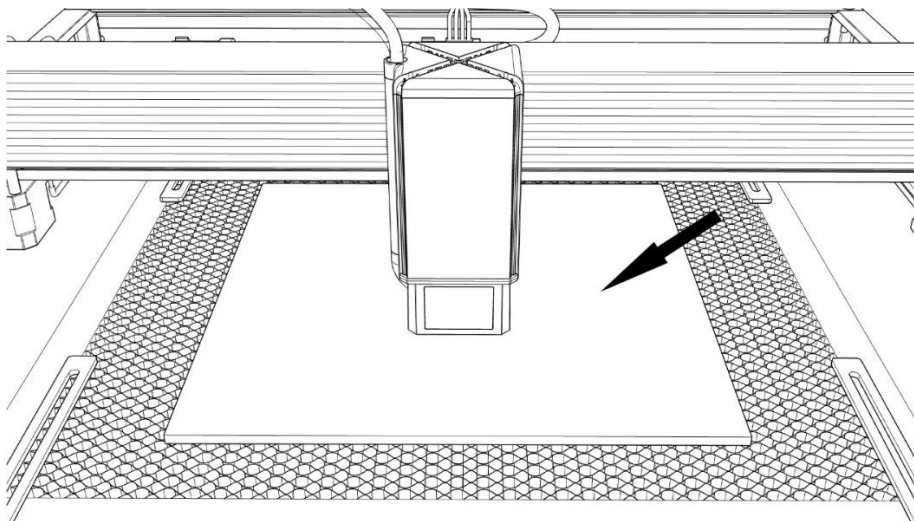


Step 2 Turn it on or off with a rotary switch

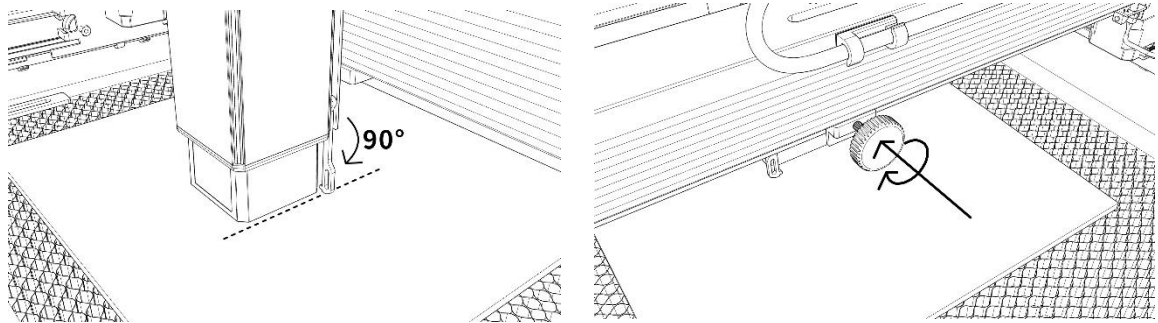


Operation Guide-Engraving/ Cutting Processing Using LightBurn

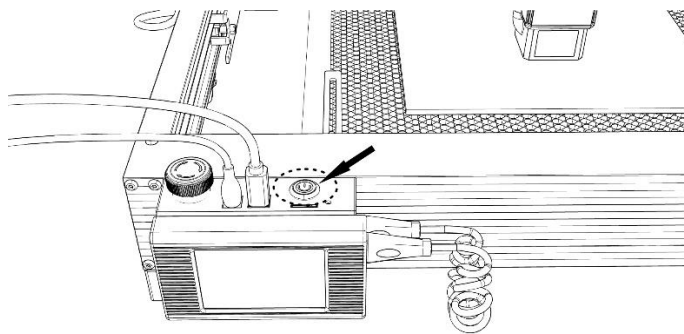
Step 1 Place your Engraving Material



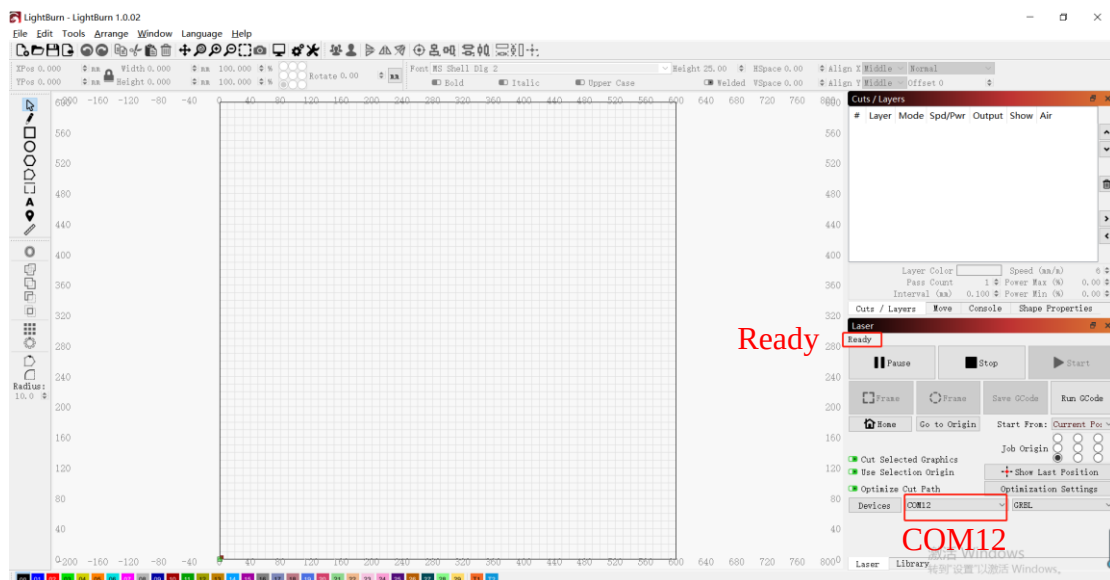
Step 2 Adjust the Focus Lever



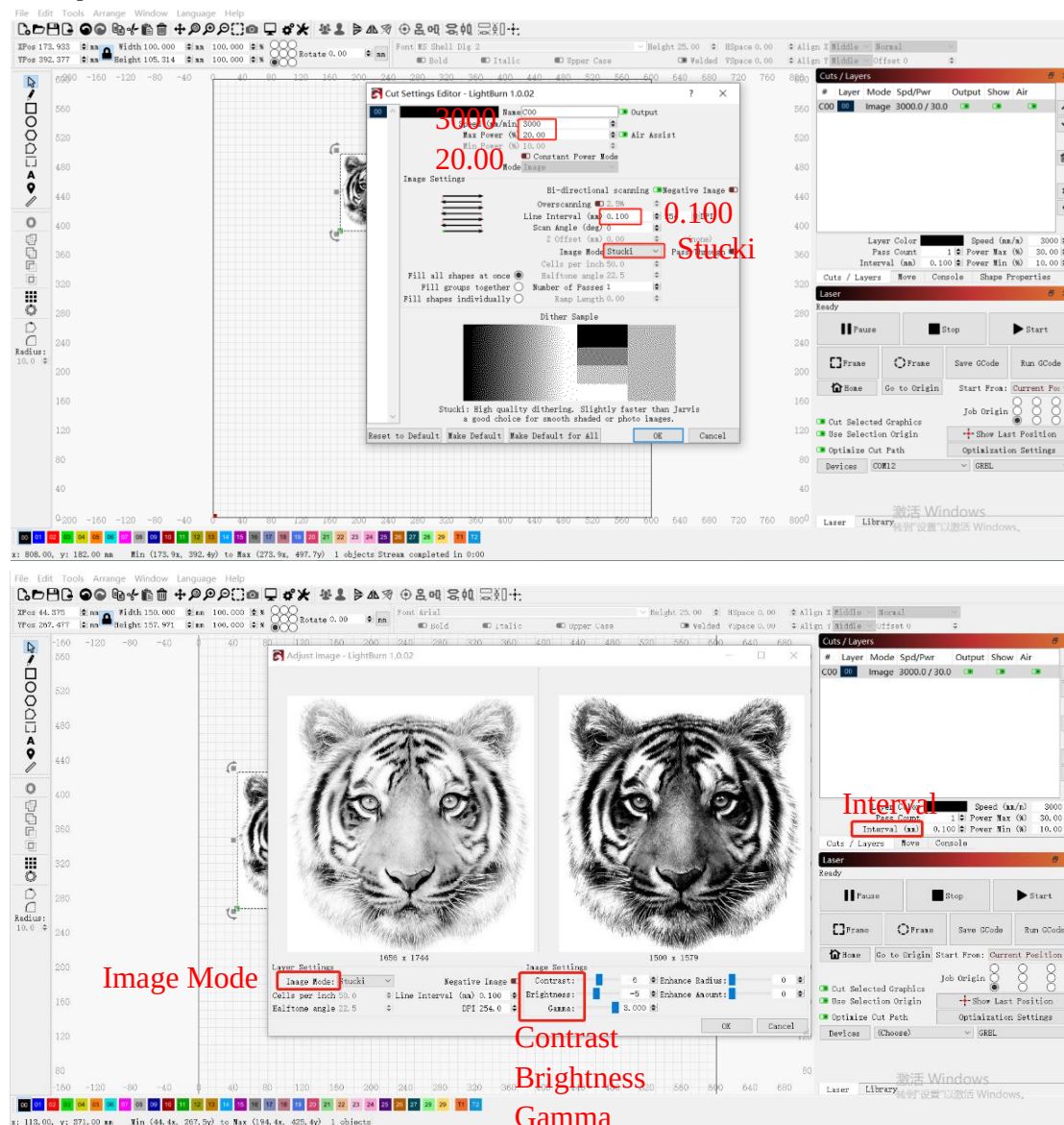
Step 3 Power on



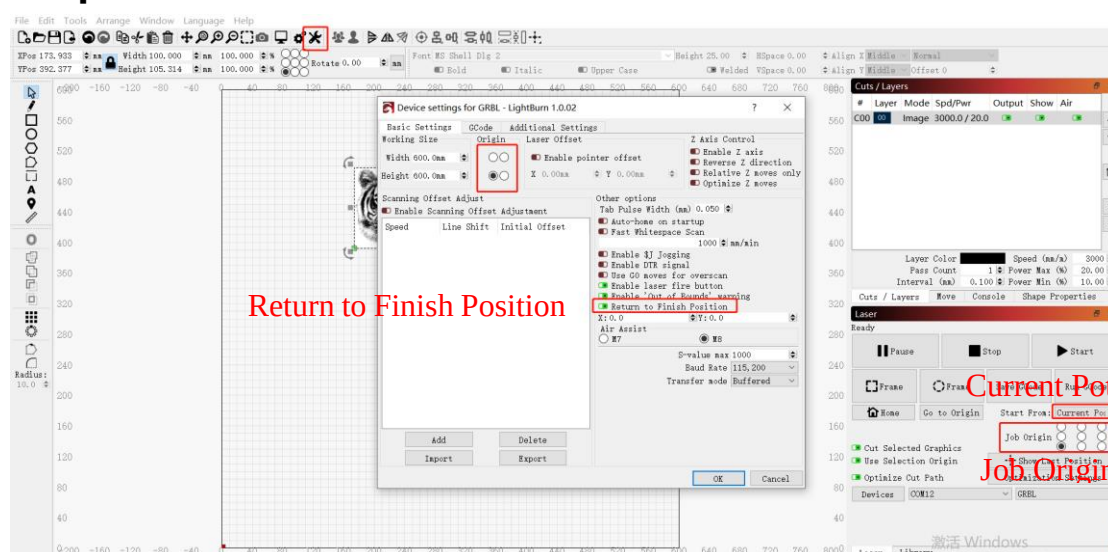
Step 4 Connect the Machine to Computer



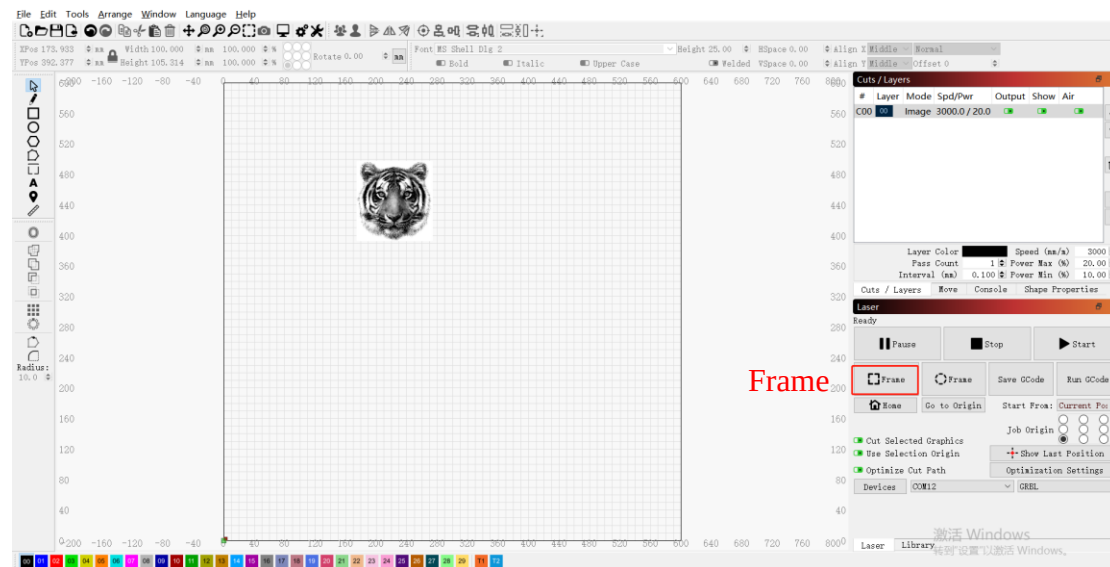
Step 5 Set the Parameters



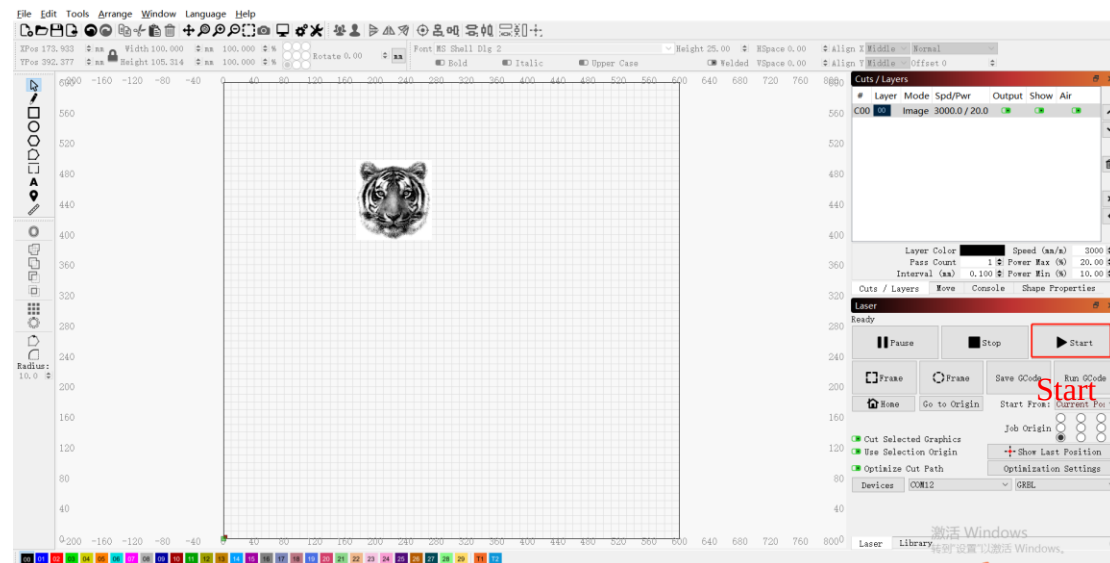
Step 6 Set the Start Position



Step 7 Click Frame



Step 8 Click Start

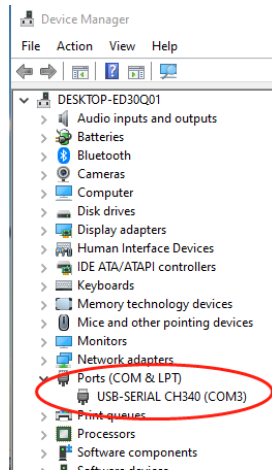


Operation Guide-Engraving/ Cutting Processing Using LaserGRBL

Step 1 Connect to the Machine

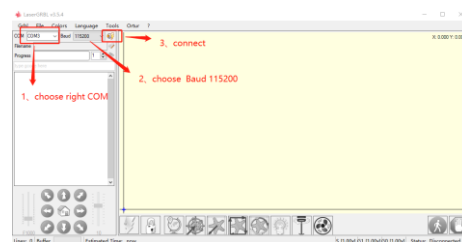
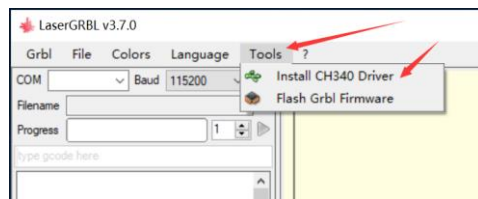
1. Connect the engraver to a computer with LaserGRBL software installed.
2. Plug in the power supply of the engraving machine.
3. Open the LaserGRBL software.

4. 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).



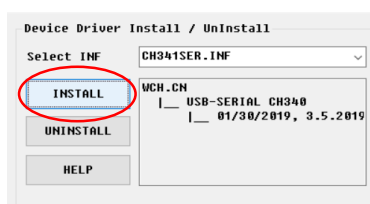
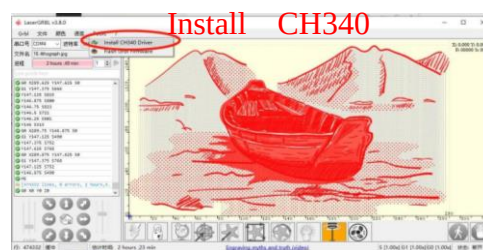
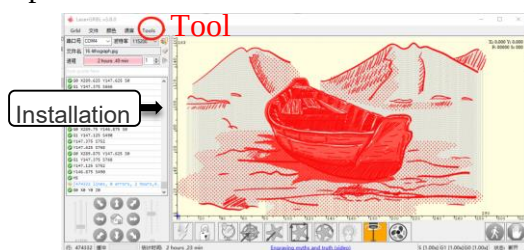
5. First, install CH340 Driver. In the LaserGRBL software, click "Tools">"install CH340 Driver" to install the driver, and restart the computer after installation to connect.

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



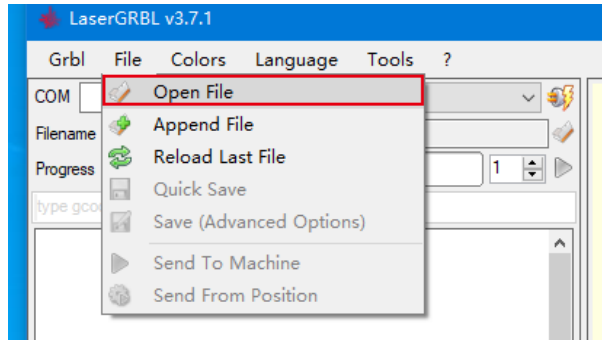
7. If the computer and engraving machine connect failure, which needs to be updated the drive, the method is as follows.

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

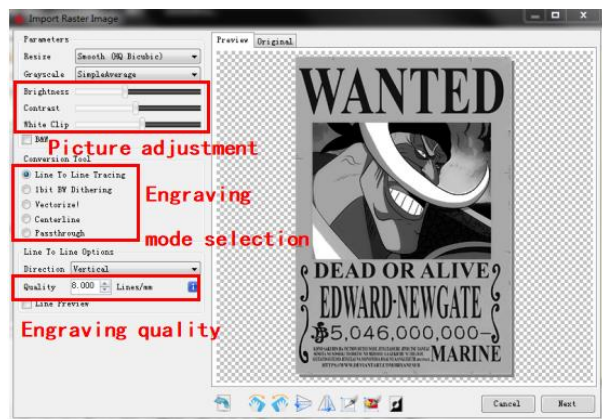


Step 2 Set Engraving Parameters

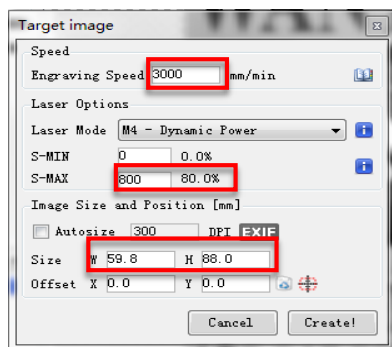
1. Select the engraving file. Open LaserGRBL software, click "File"> "Open File", then select the graphics you want to engrave, LaserGRBL supports BMP, JPG, PNG, GIF and other formats.



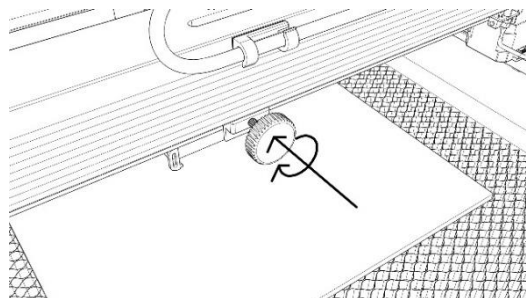
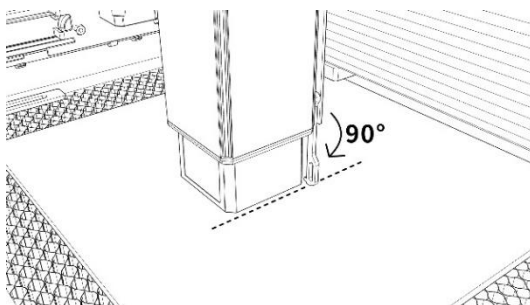
2. Set the picture parameters, engraving mode and engraving quality.



3. Set engraving speed, energy and size.

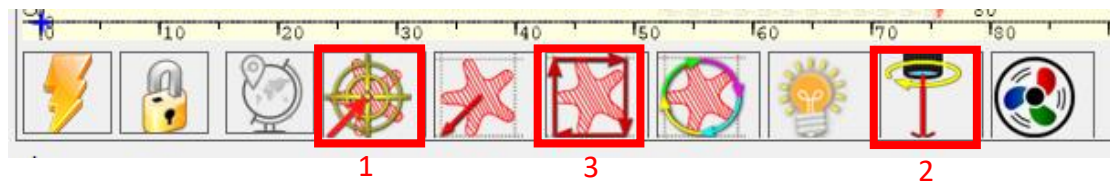


Step 3 Adjust the Focus Lever

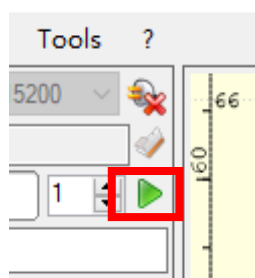


Step 4 Adjust the Position

1. Select the "Move to Center" button, and the laser will move to the center of the pattern.
2. Click the "light laser" button, the laser will emit a weak light, the laser emits an irradiation point is the center of the engraving pattern, based on this, adjust the position of the engraved object.
3. Click the "Profile Scan" button, and 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 several times until the outer contour is at the position you want to engrave.



Step 5 Start and Stop Engraving or Cutting



Start

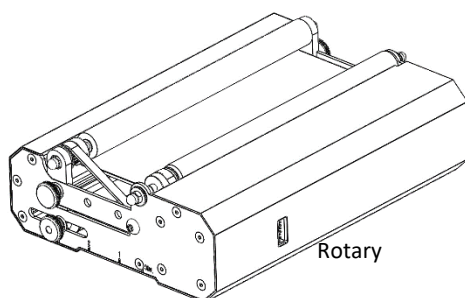


Stop

Operation Guide-Assemble the Rotary

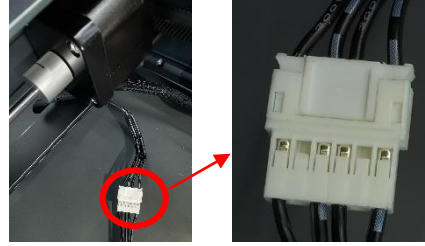
Step 1 Connect to the Engraver

1. Connect the rotary to the engraver.





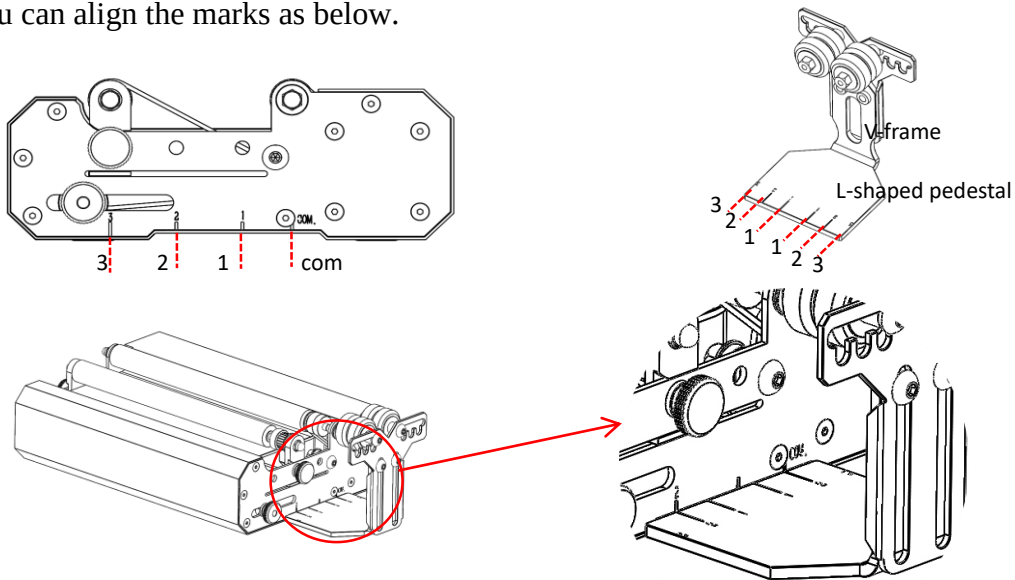
Connect to the Rotary



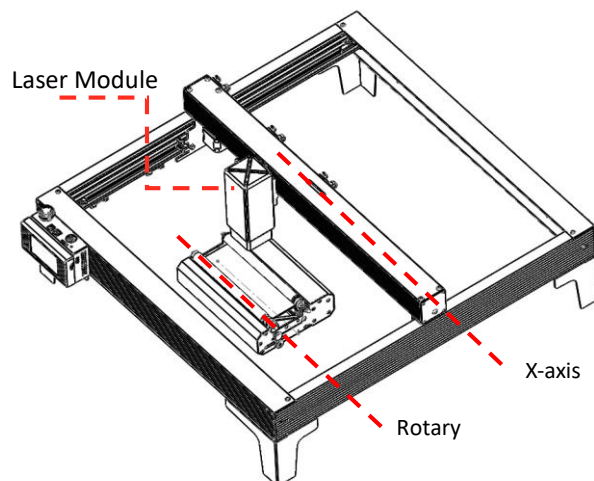
Connect to Y axis motor

Step 2 Adjust the Distance Gear

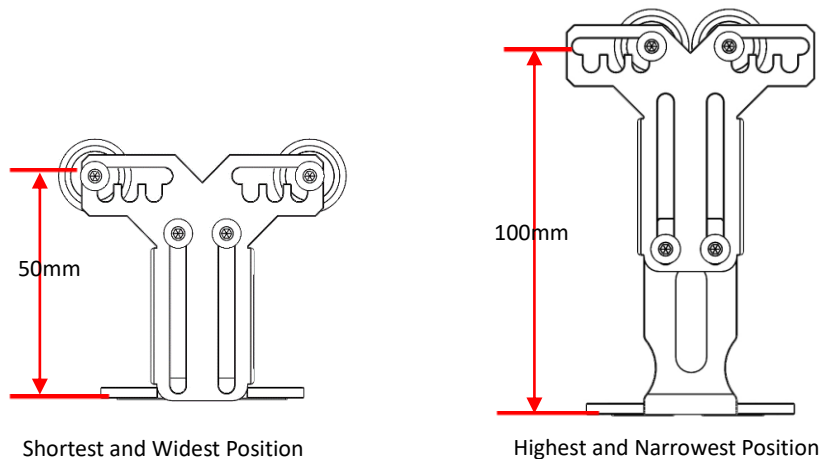
1. The rotary has 3 threaded holes, it can be adjusted to match different size objects, engraving by adjusting to match items.
2. There are 3 scale marks on the side plate of the rotary and there are 3 scale marks on the L-shaped pedestal with V-frame. Place the L-shaped pedestal close to the rotary, so you can align the marks as below.



Step 3 Keep the Rotary Parallel to X-axis

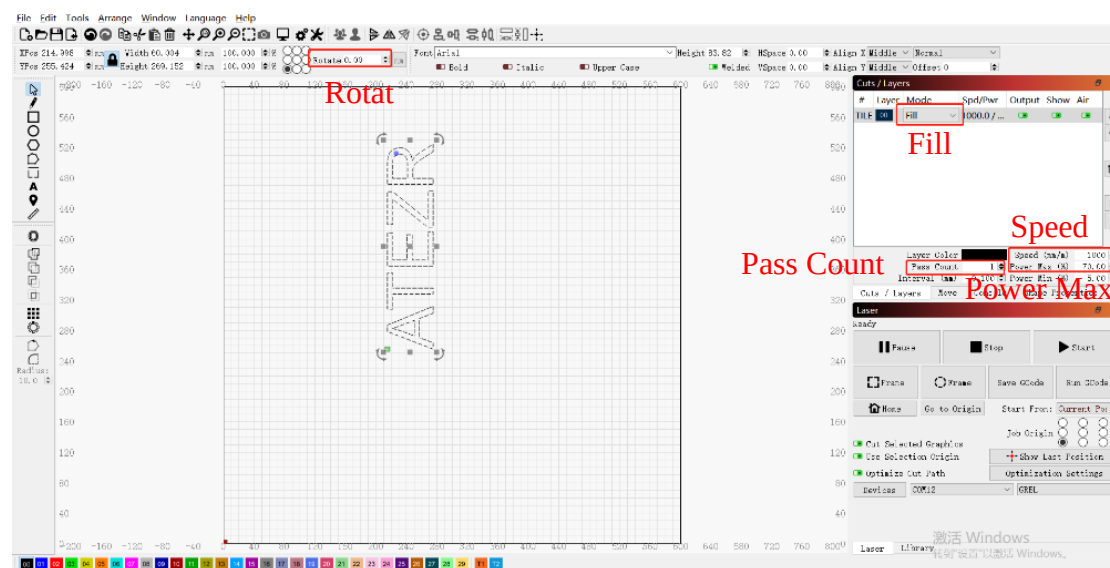


Step 4 Adjust the L Pedestal and V-frame



Step 5 Set the Parameter in LightBurn

1. The height of the roller V-frame is adjustable from 50mm to 100mm, and it can be adjusted to match objects of different heights for engraving. The V-shaped frame has 5 adjustable holes, it can be adjusted to match the size of the object, and it can be engraved by adjusting different widths.



APP Operation-Offline Engraving

Step 1 Download ATEZR LASER APP

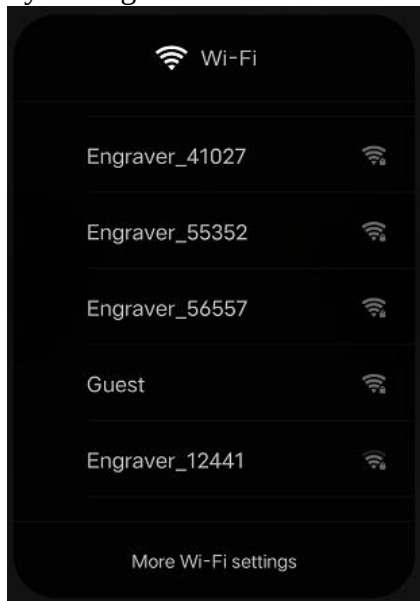
1. Go to the APP store website and search ATEZR LASER to download the application.



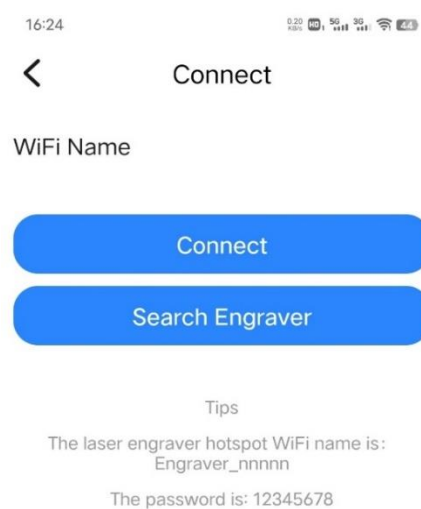
2. Complete the installation, enter the app.

Step 2 Connect to the Engraver

1. Turn on your WLAN, select the Wifi name of your engraver(Engraver_xxx), and enter your password .The password for your engraver Wi-Fi is: 12345678

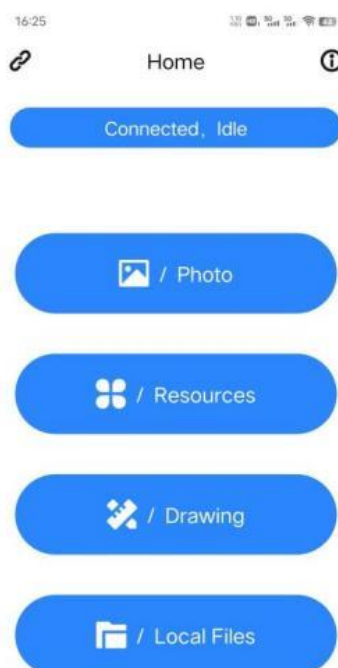


2. Go to the APP WiFi connection page and tap the search engraver button to connect



Step 3 Select the Resource Perform Engraving

3. Select the Resources.



4. Select the picture (eg: the star).



5. Set the Brightness and Contrast, and tap Next.



6. Set the name, size, Speed, Power refer to the parameter table, tap Next.



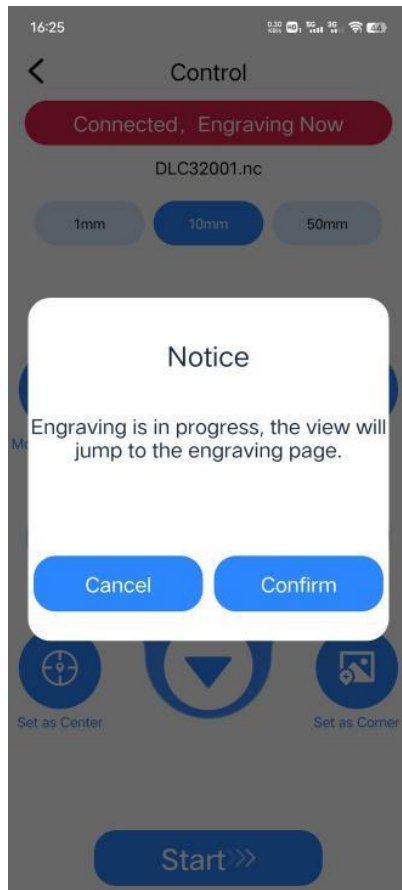
7. Notice will pop up after the file upload successfully, then tap start.



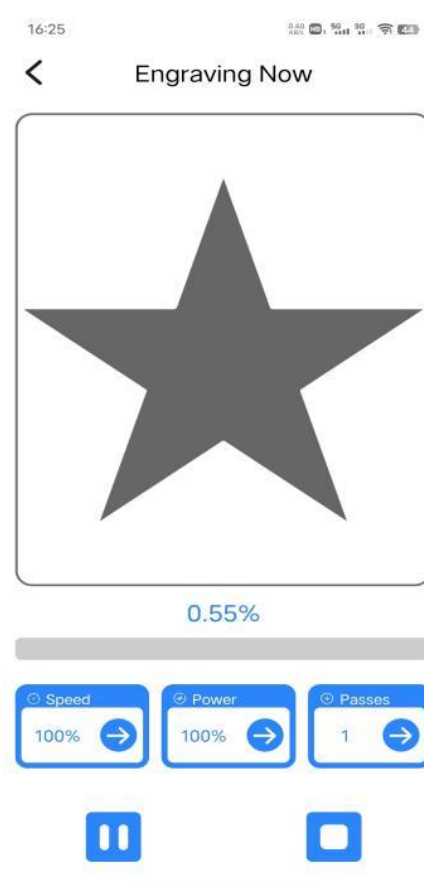
8. Go to the Control Page, tap the frame button to test the suitable area for engraving, then tap start.



9. Tap the confirm button to start the engraving (if you tap cancel ,the machine will stop working).



10. While you enter the engraving page, feel free to adjust the speed, power percentage, and engraving times.



Recommended Settings for Material

The parameter list is only for the most widely used materials. Customers may need to try other uncommon materials by themselves, We will continue uploading our test reports on different types of materials in the future. The other, If the customer wants a different engraving effect, please refer to the parameter table to adjust the parameters appropriately in Lightburn.

Atezr-5W (laser power of 5W)

	Material	Thickness (mm)	Power (%)	Speed (mm/min)	Number of times
Cutting	Plywood	3	80	150	1
	Paulownia Wood	5	80	150	1
	Paulownia Wood	6	80	150	10
	Pine	5	80	60	1
	Pine	5.5	80	150	3
	Bamboo	2	80	250	1

	Acrylic	3	80	50	1
	Acrylic	8	80	50	10
	Kraft Paper	0.2	80	3500	1
	Artificial leather	2	100	100	1

Engraving	Material	Line Interval	Power (%)	Speed (mm/min)	Number of times
	Plywood	0.1	60	3000	1
	Bamboo	0.1	50	3000	1
	Density Plate	0.1	25	3000	1
	Carton	0.1	30	3000	1
	Kraft Paper	0.1	28	3000	1
	Oil Painting Paper	0.1	10	1000	1
	Leather	0.1	20	3000	1
	Rubber	0.1	70	1000	1
	Resin	0.1	40	1000	1
	Denim	0.1	20	3000	1
	High density foam board	0.1	30	3000	1
	Two color plate	0.1	30	3000	1
	PCB Board	0.1	80	600	1
	Acrylic	0.1	50	3000	1
	Plastic	0.1	20	1000	1
	Ceramics(blackening)	0.08	80	1000	1
	Ceramic Tile(blackening)	0.08	80	1000	1
	Cobblestone	0.1	80	1000	1
	Rock	0.1	70	1000	1
	Artificial beef bone	0.1	70	700	1
	Mirrors (back)	0.08	40	3000	1
	Glass(blackening)	0.065	80	400	1
	Coated alumina	0.05	80	100	1
	Mirrors Stainless Steel(blackening)	0.08	80	100	1
	Brushed Stainless Steel	0.08	80	100	1

Atezr-10W (laser power of 10W)

Cutting	Material	Thickness (mm)	Power (%)	Speed (mm/min)	Number of times
	Plywood	5	80	150	1
	Paulownia Wood	7	80	150	1
	Paulownia Wood	8	80	700	8

	Pine	5	80	100	1
	Pine	7	80	300	8
	Bamboo	2	80	400	1
	Acrylic	4	80	100	1
	Acrylic	10	80	100	5
	Artificial leather	2	80	100	1
	Kraft Paper	0.2	80	3500	1

Engraving	Material	Thickness (mm)	Power (%)	Speed (mm/min)	Number of times
	Plywood	0.1	25	3000	1
	Bamboo	0.1	30	3000	1
	Density Plate	0.1	20	3000	1
	Carton	0.1	30	3000	1
	Kraft Paper	0.1	20	3000	1
	Oil Painting Paper	0.1	30	3000	1
	Leather	0.1	20	3000	1
	Rubber	0.1	50	2000	1
	Resin	0.1	40	2000	1
	Denim	0.1	20	2000	1
	High density foam board	0.1	25	3000	1
	Two color plate	0.1	20	3000	1
	PCB Board	0.1	70	2000	1
	Acrylic	0.1	25	3000	1
	Plastic	0.1	20	3000	1
	Ceramics(blackening)	0.08	70	400	1
	Ceramic Tile	0.08	80	300	1
	Cobblestone	0.1	60	1000	1
	Rock	0.1	70	1000	1
	Artificial beef bone	0.1	50	1000	1
	Mirrors (back)	0.08	20	3000	1
	Glass(blackening)	0.065	70	1000	1
	Coated alumina	0.05	80	500	1
	Mirrors Stainless Steel(blackening)	0.08	80	100	1
	Brushed Stainless Steel	0.08	80	300	1
	Iron sheet(blackening)	0.08	100	200	1

Atezr-20W (laser power of 20W)

Cutting	Material	Thickness (mm)	Power (%)	Speed (mm/min)	Number of times
	Plywood	8	100	200	1
	Plywood	10	75	600	6
	Paulownia Wood	12	100	260	1
	Paulownia Wood	18	100	400	6
	Pine	9	100	130	1
	Pine	14	80	280	10
	Bamboo	5	100	400	1
	Acrylic	5	100	100	1
	Acrylic	15	65	100	10
	Artificial leather	2	80	300	1
	Kraft Paper	0.2	80	3000	1
	Density Plate	4.5	100	160	1
	Density Plate	8	100	400	4
	Stainless Steel Sheet	0.05	80	500	1

Engraving	Material	Thickness (mm)	Power (%)	Speed (mm/min)	Number of times
	Plywood	0.1	20	3000	1
	Bamboo	0.1	30	3000	1
	Density Plate	0.1	20	3000	1
	Carton	0.1	15	3000	1
	Kraft Paper	0.1	15	3000	1
	Oil Painting Paper	0.1	25	3000	1
	Leather	0.1	20	3000	1
	Rubber	0.1	50	3000	1
	Resin	0.1	13	1000	1
	Denim	0.1	20	3000	1
	High density foam board	0.1	15	3000	1
	Two color plate	0.1	12	3000	1
	PCB Board	0.1	60	2000	1
	Acrylic	0.1	50	3000	1
	Plastic	0.1	20	3000	1
	Ceramics (blackening)	0.08	80	1000	1
	Ceramic Tile	0.08	80	1000	1
	Cobblestone	0.1	60	3000	1
	Rock	0.1	60	3000	1
	Artificial agate	0.1	100	100	1

	Artificial beef bone	0.1	30	1000	1
	Mirrors (back)	0.08	30	3000	1
	Glass(blackening)	0.065	50	1000	1
	Coated alumina	0.05	80	500	1
	Mirrors Stainless Steel(blackening)	0.08	80	600	1
	Brushed Stainless Steel	0.08	80	1000	1
	Iron sheet(blackening)	0.08	80	500	1

Atezr-35W (laser power of 35W)

Cutting	Material	Thickness (mm)	Power (%)	Speed (mm/min)	Number of times
	Basswood	14	80%	600	9
	Pine	15	80%	600	10
	Paulownia wood	20	70%	750	9
	Paulownia wood	14	80%	200	1
	Cork wood	15	100%	500	1
	Bamboo	5	80%	400	1
	Leather	5	60%	1000	5
	Kraft Paper	0.6	80%	2000	1
	Acrylic	20	80%	100	10
	Acrylic	5	80%	100	1
	MDF	8	80%	1000	7
	MDF	5	80%	350	1
	Stainless Steel Sheet	0.05	60%	1000	1
	EVa Foam	8	80%	1500	1
	Glutinous rice paper	0.5	80%	300	1
	Drywall	15	80%	100	1

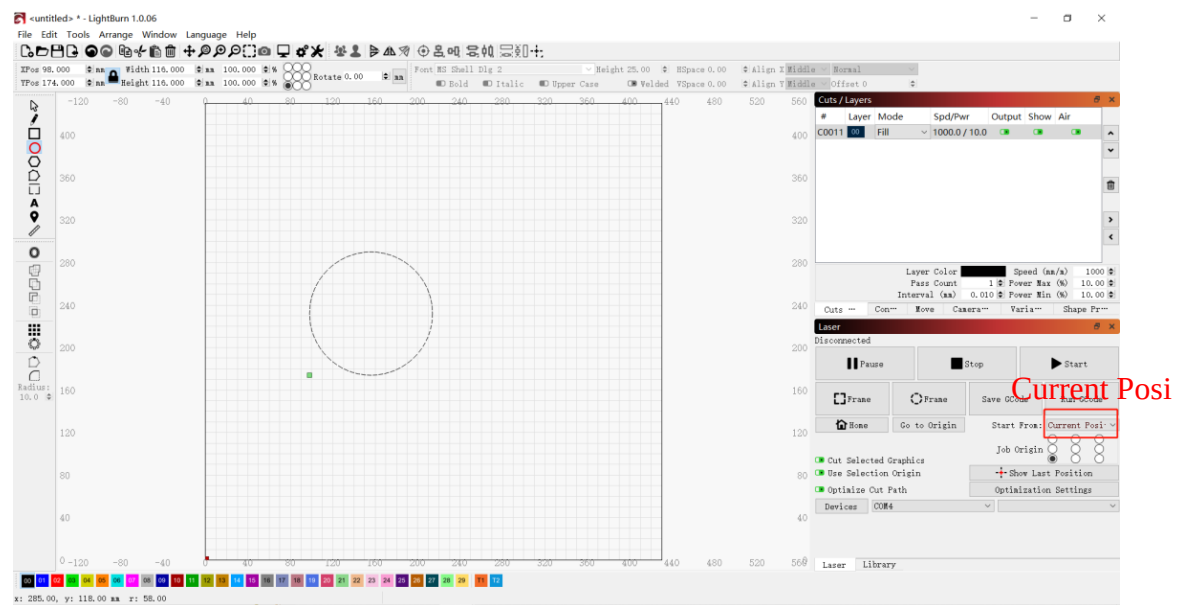
Engraving	Material	Thickness (mm)	Power (%)	Speed (mm/min)	Number of times
	Basswood	0.1	6000	20%	1
	Yellow peach wood	0.1	7000	15%	1
	Pine	0.1	5000	20%	1
	Paulownia wood	0.1	7000	45%	1
	Bamboo	0.1	7000	50%	1
	Leather	0.1	6000	20%	1
	Denim	0.1	3000	20%	1
	Ceramics	0.05	1000	80%	1
	Ceramic tile	0.1	2200	80%	1

	Alumina	0.01	1000	60%	1
	Glass	0.1	1500	50%	1
	Acrylic	0.1	6000	50%	1
	Translucent Acrylic	0.1	6000	13%	1
	Two color plate	0.1	5000	12%	1
	Plastic	0.1	6000	20%	1
	Resin	0.1	1500	13%	1
	High density foam board	0.1	5000	9%	1
	Rubber	0.1	5000	50%	1
	Kraft Paper	0.1	7000	15%	1
	Office paper	0.125	3000	13%	1
	Carton	0.1	3000	15%	1
	MDF	0.085	6000	20%	1
	Mirrors	0.08	7000	30%	1
	Rock	0.1	6000	60%	1
	Crystal Stone	0.1	2000	25%	1
	PCB Board	0.1	4000	55%	1
	Mirror Stainless Steel	0.1	2000	60%	1
	Brushed Stainless Steel	0.08	1500	80%	1
	Galvanized iron	0.1	200	80%	1
	Iron sheet	0.1	500	80%	1
	Brass	0.1	1000	80%	1
	Transparent Polycarbonate	0.1	7000	15%	1
	Wrench (chrome-vanadium alloy)	0.1	500	80%	1
	Cobble Stone	0.1	6000	60%	1

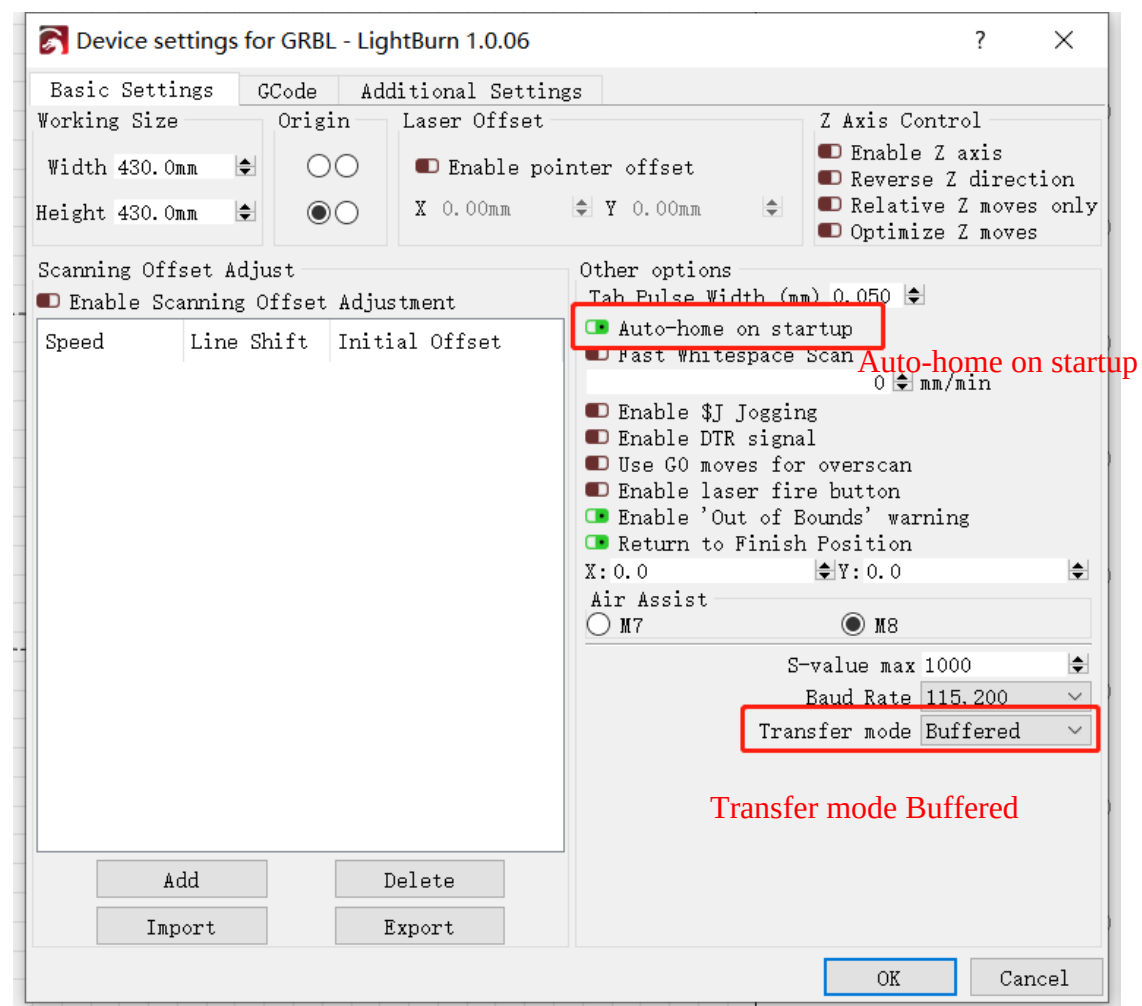
Precautions

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.
2. Please confirm whether any part is loosened (including synchronous belt, eccentric column of roller, and laser module)
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. LightBurn software can refer to the parameter table in the corresponding manual for engraving and cutting of different materials. 5W laser engraving of mirror metal requires manual surface blackening treatment.

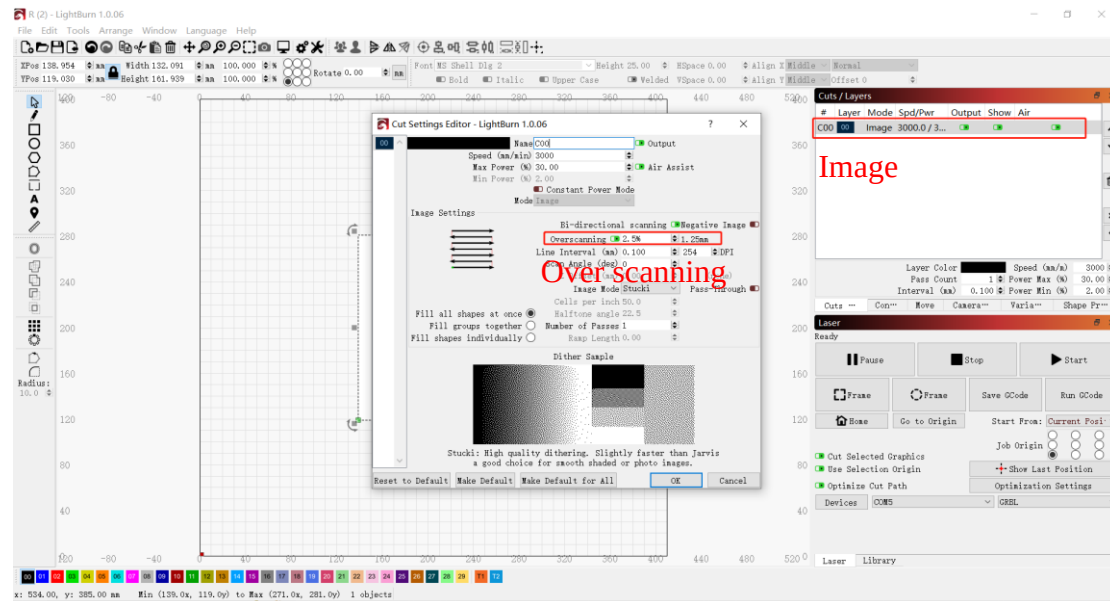
5. The start position is set to Current Position by default in the configuration file.



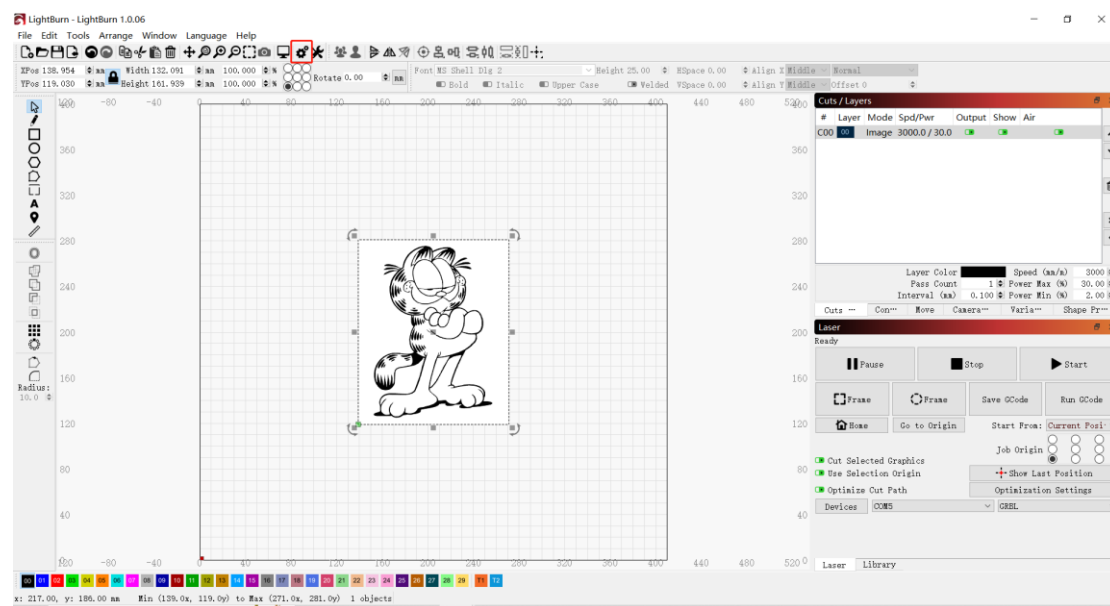
6. The transfer mode is set to Buffered by default. Do not change the transfer mode.



7. Enable Overscanning in the layer settings to prevent the edges from being burned black.

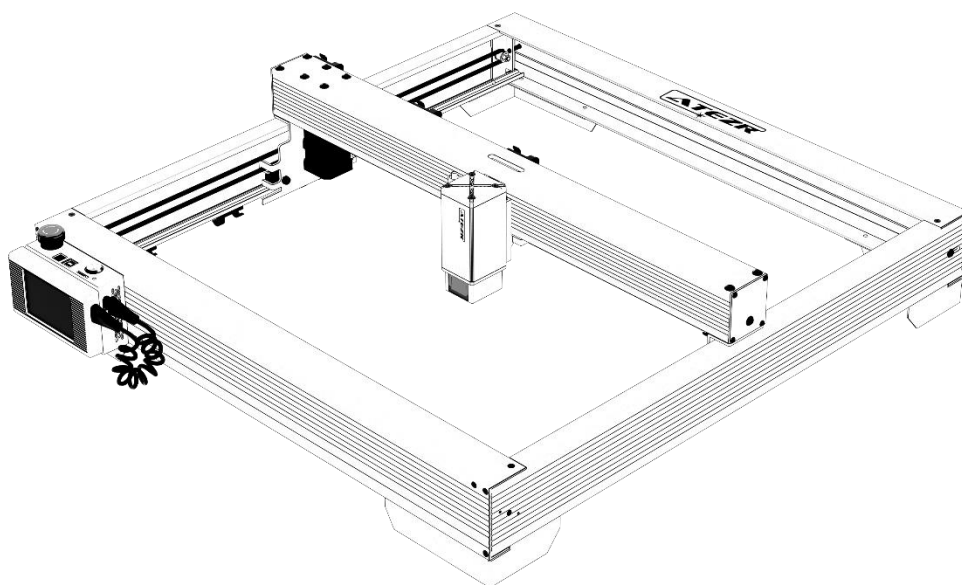


8. Switch between Laser GRBL and LightBurn software, no need to turn off the power of the machine, just close the current software, open another software to open the corresponding serial port.
9. When using LightBurn software for the first time, you need to set the speed unit refer to our parameter table.



10. When engraving, you need to select the engraving mode and the corresponding parameters to achieve the desired effect.

Atezr User Guide



- ☒ English
- ☒ **Deutsche**
- ☒ Français
- ☒ Italiano
- ☒ Español



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Disclaimer

Wenn Sie Atezzr über LightBurn steuern möchten, laden Sie die offizielle Version der LightBurn-Software herunter. LightBurn ist eine Software von Drittanbietern, daher haftet Atezzr Services nicht für Verluste, die durch den Betrieb von LightBurn entstehen. Die Firmware von Atezzr wurde von Atezzr eingehend getestet und es kann immer noch zu Inkompatibilitäten mit Soft- oder Hardware kommen. Im Falle eines Fehlers aufgrund einer Inkompatibilität können Sie sich an unsere Kundenabteilung Service wenden, um technischen Support zu erhalten.

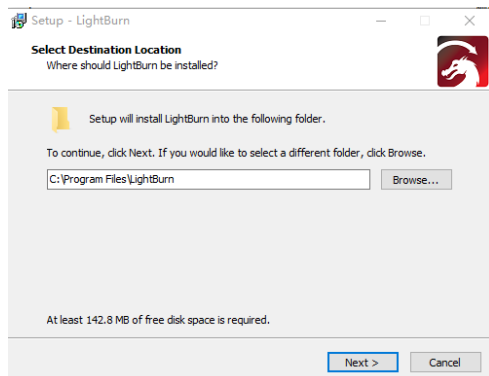
atezzr@service.com

Holen und installieren Sie LightBurn

1. Laden Sie die Datei von der LightBurn Webseite herunter:
<https://lightburnsoftware.com/>



2. Doppelklicken Sie zum Installieren auf das Installationspaket und klicken Sie im Pop-up-Fenster auf "Weiter".

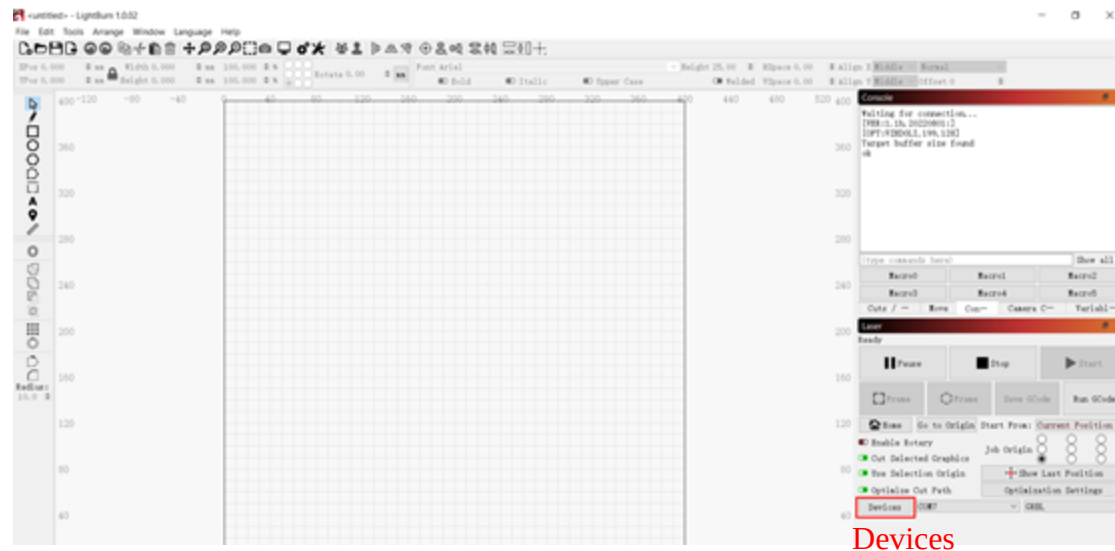


3. Klicken Sie hier, um Ihre kostenlose Testversion zu starten.

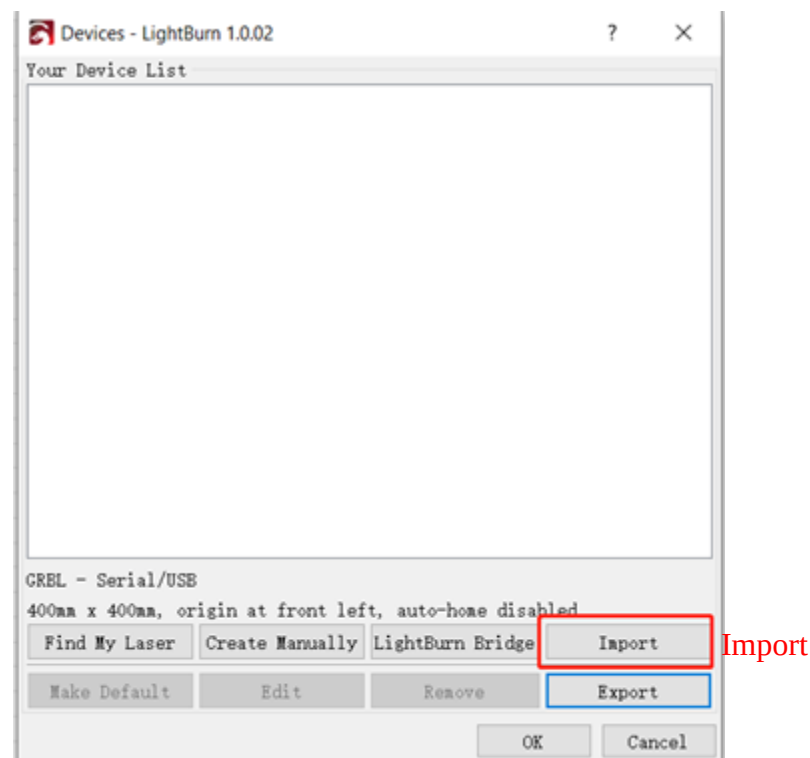


Konfigurieren von Atezzr auf LightBurn

Schritt 1 Klicken Sie auf das Gerät

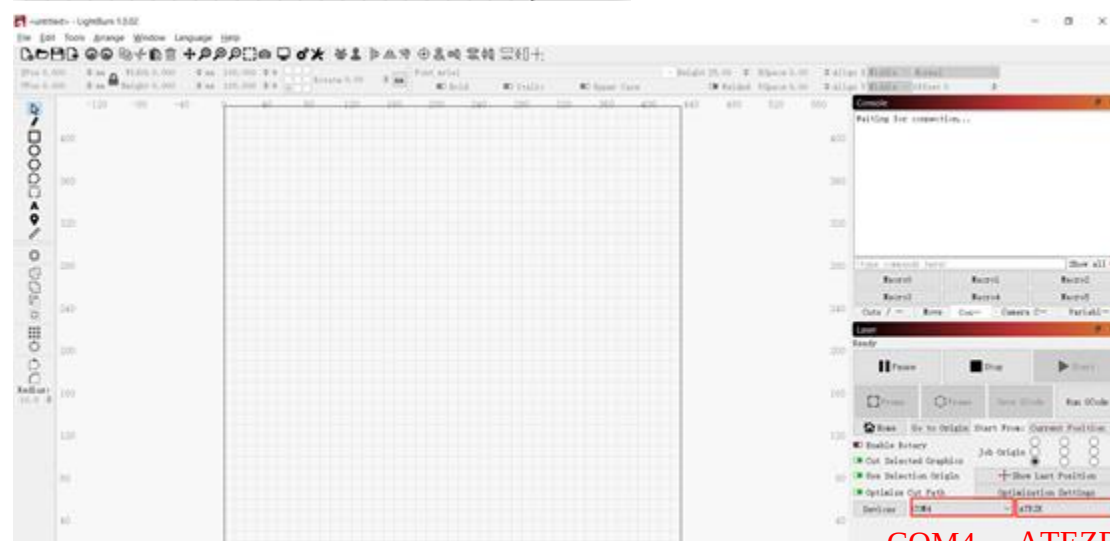
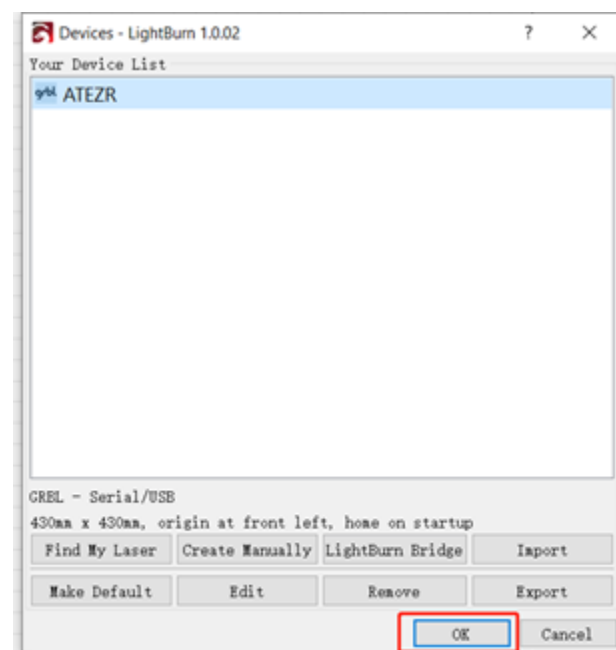
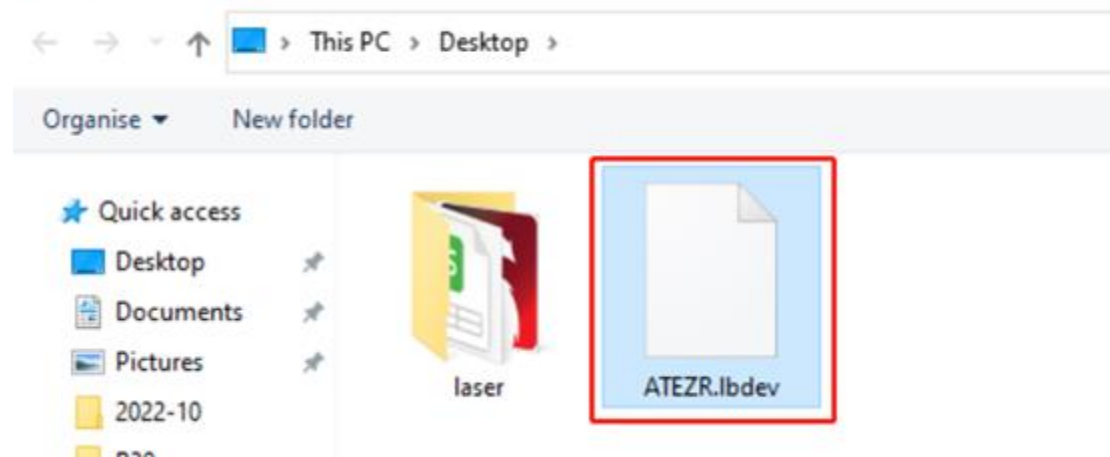


Schritt 2 Importieren Sie die Datei Atezzr_Prefs



Die Konfigurationsdatei für Lightburn zur Erkennung von Atezzr befindet sich auf der angeschlossenen TF-Karte. Dateiname: ATEZR.lbdev

Load Device Profile

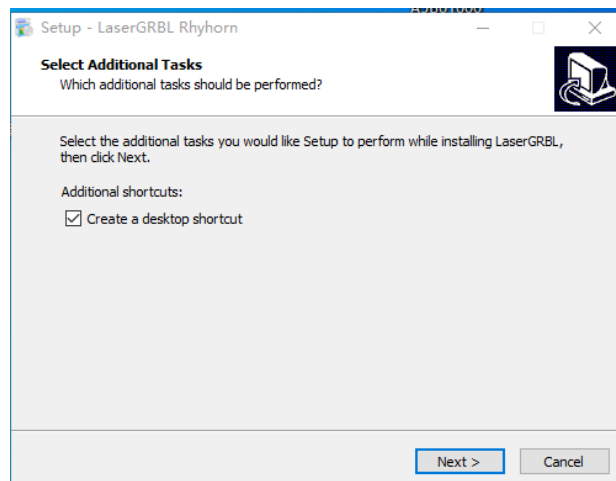


Wählen Sie serielle Schnittstelle und ATEZR. Wenn die Verbindung in Ordnung ist, wurde die Konfiguration erfolgreich importiert.

Konfiguration von Atezzr auf LaserGRBL

Schritt 1 LaserGRBL herunterladen und installieren

1. Laden Sie die Datei von der folgenden Website herunter und installieren Sie die Software <http://lasergrbl.com/download/>



Schritt 2 Fügen Sie benutzerdefinierte

Schaltflächen hinzu

1. Fügen Sie der Software benutzerdefinierte Schaltflächen hinzu, die auf Ihrer Nutzung basieren. Wir empfehlen die offiziellen Custom Buttons von LaserGRBL. Benutzerdefinierte Button-Download-Adresse: <http://lasergrbl.com/usage/custom-buttons/>. Die benutzerdefinierten Schaltflächen für den Download sind in der folgenden Abbildung dargestellt.

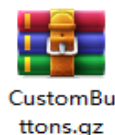


Abbildung 1: Installation der Software

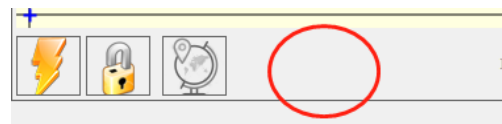


Abbildung 2: Benutzerdefinierte Schaltflächen

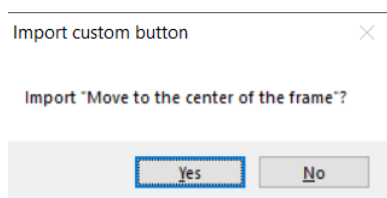


Abbildung 3: Benutzerdefinierte Schaltfläche laden

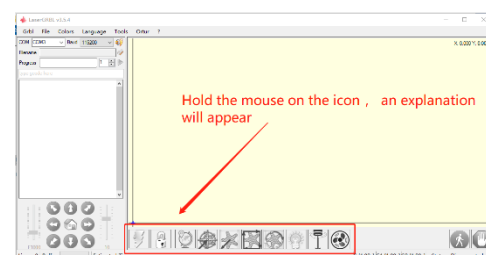
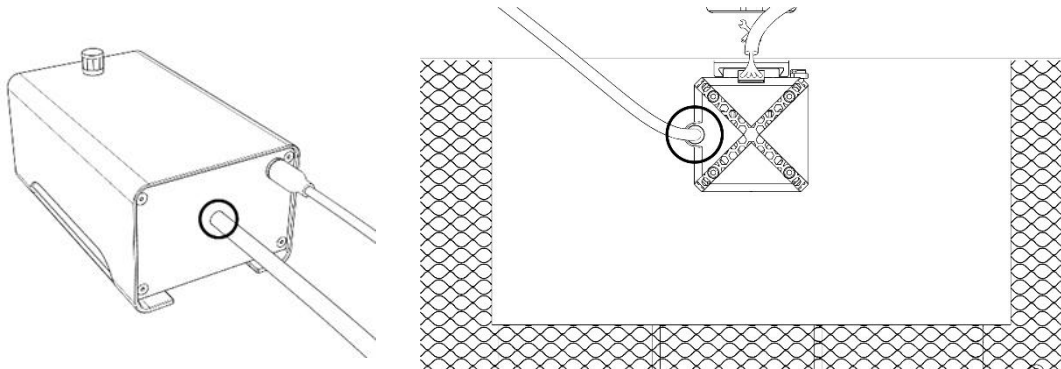


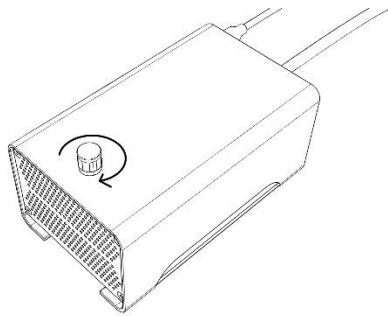
Abbildung 4: Software-Buttons

Bedienungsanleitung Air Assist Processing

Schritt 1 Verbinden Sie den Schlauch mit dem Lasermodul

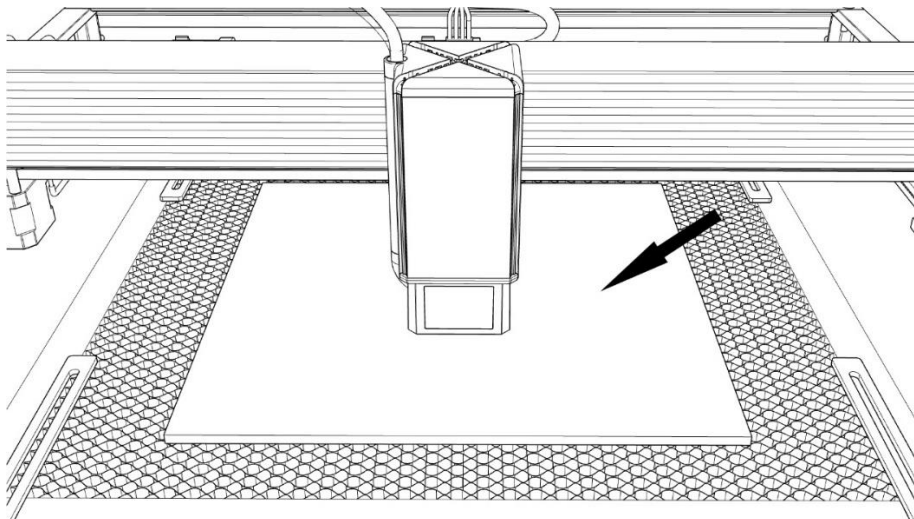


Schritt 2 Schalten Sie es mit einem Drehschalter ein oder aus

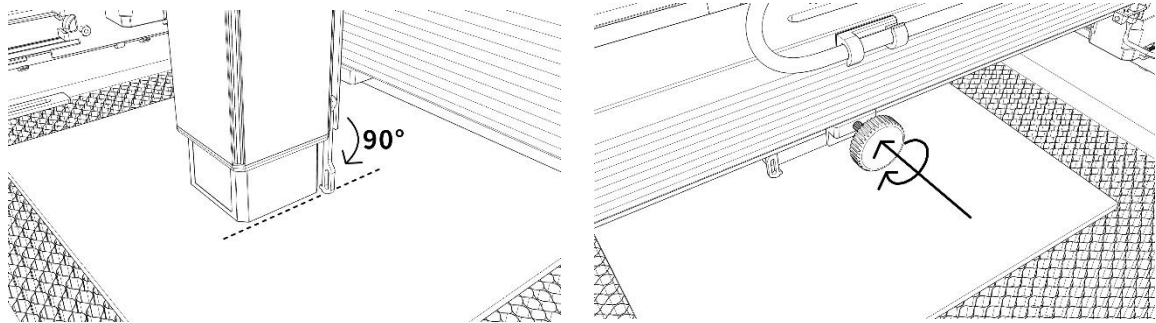


Bedienungsanleitung. Gravieren/Schneiden mit LightBurn

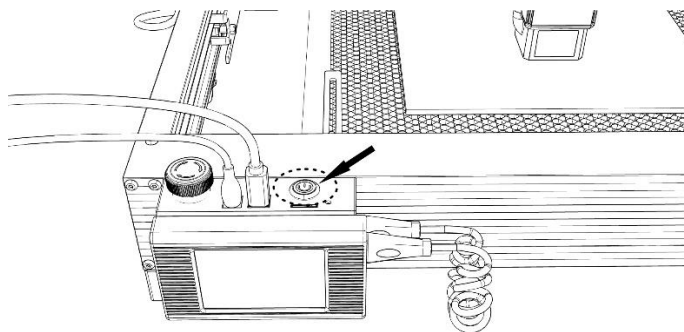
Schritt 1 Platzieren des Gravurmaterials



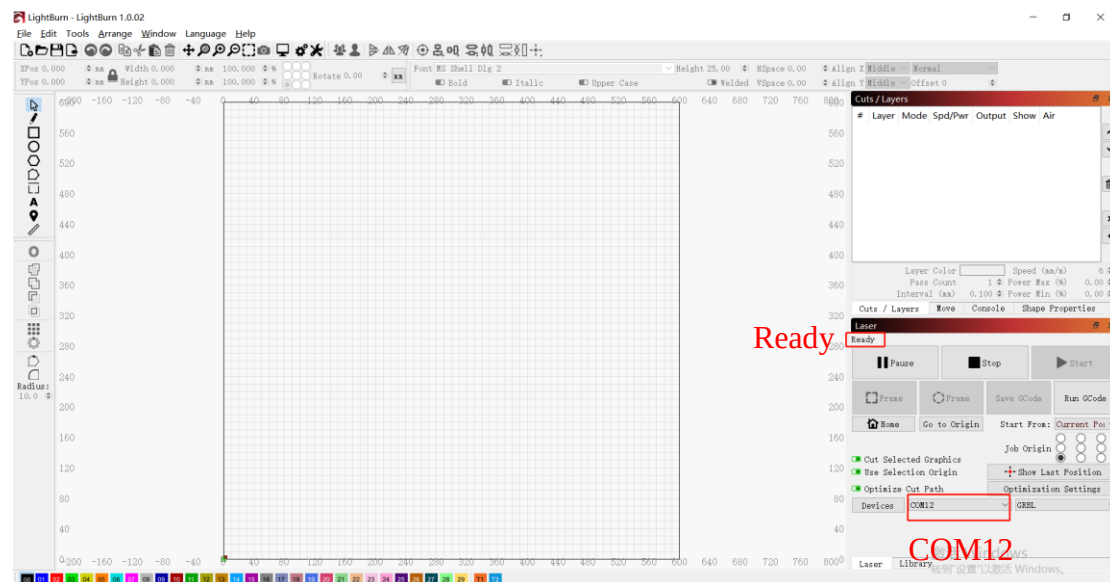
Schritt 2 Stellen Sie den Fokusstab ein



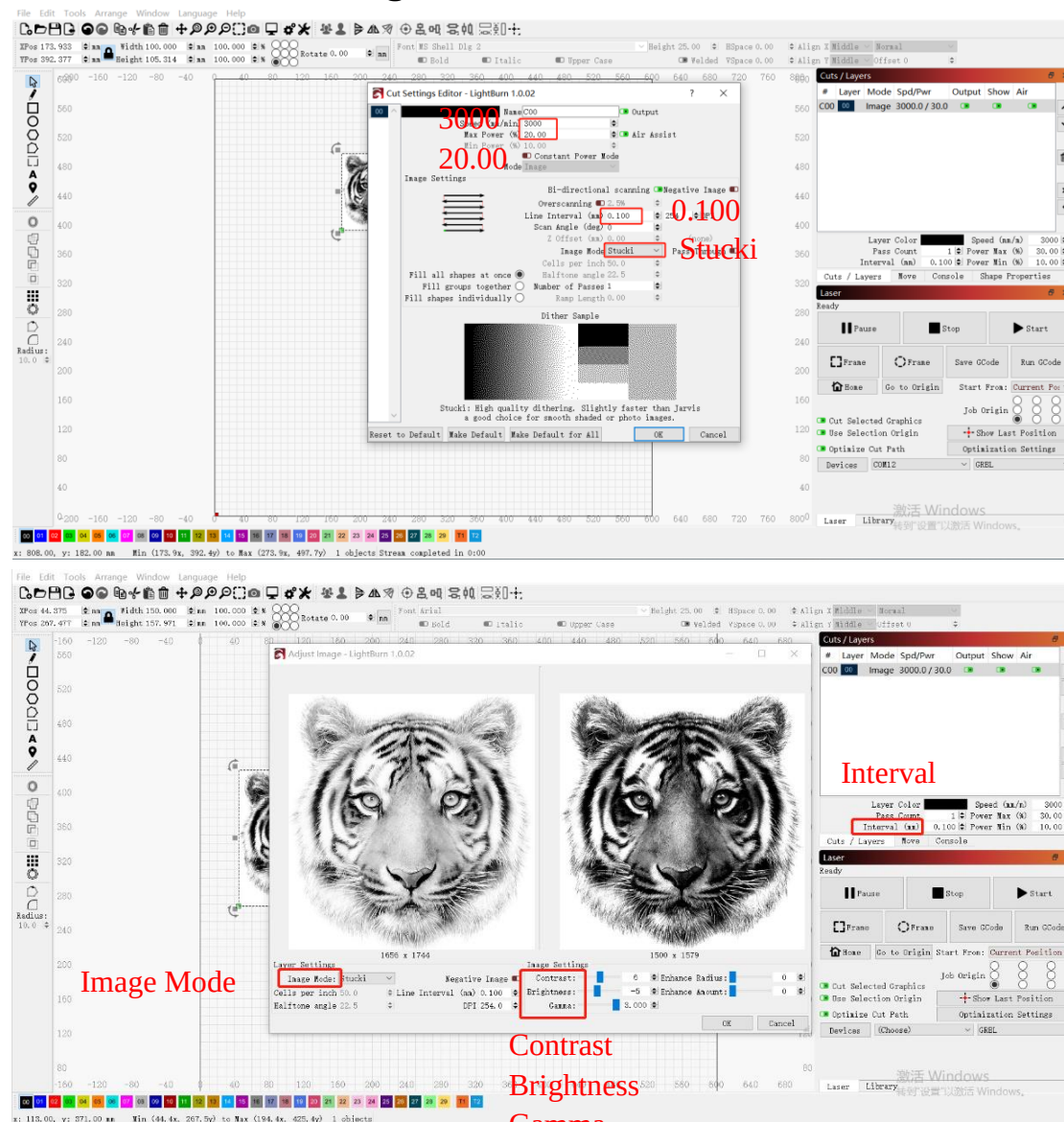
Schritt 3 Einschalten



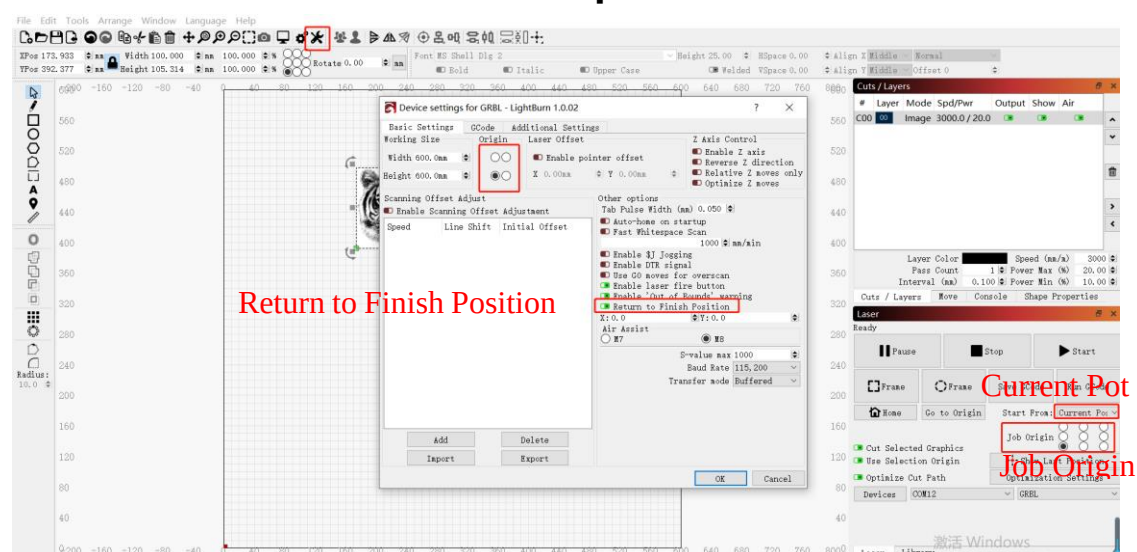
Schritt 4 Verbinden Sie die Maschine mit dem Computer



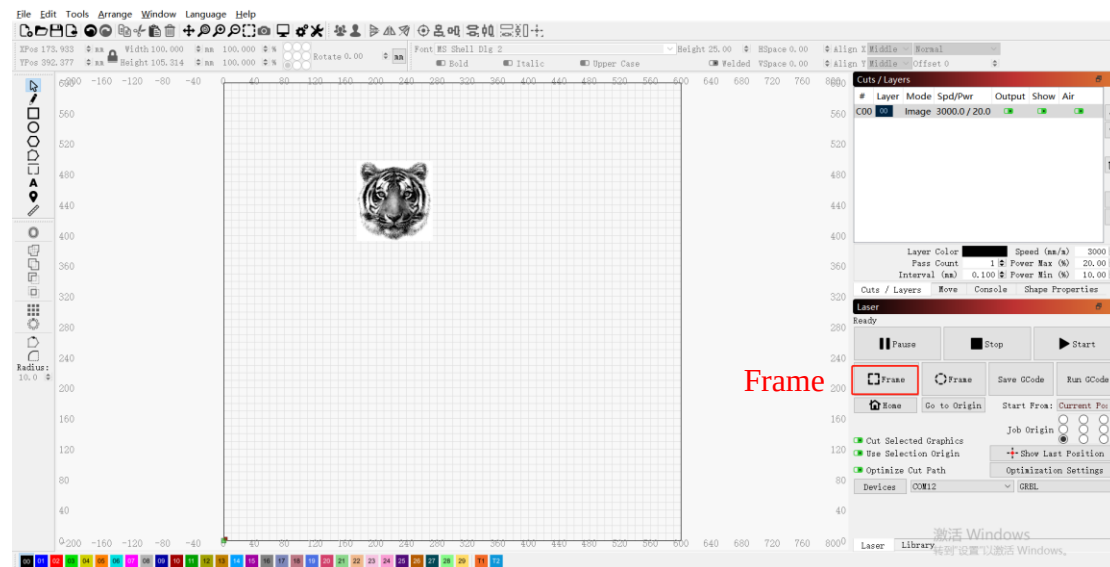
Schritt 5 Einstellung der Parameter



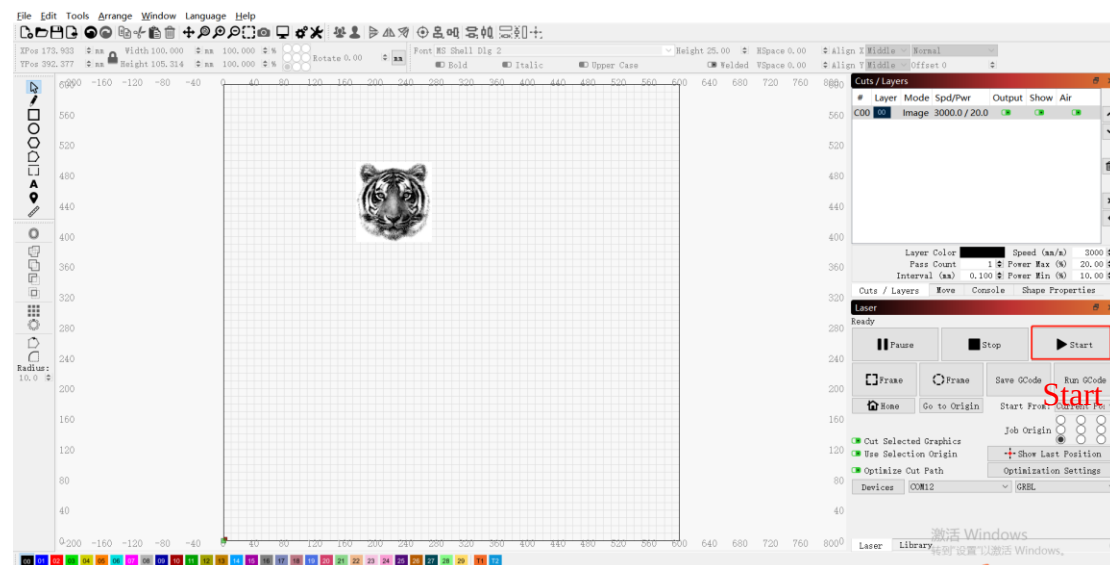
Schritt 6 Stellen Sie die Startposition ein



Schritt 7 Klicken Sie auf den Rahmen



Schritt 8 Klicken Sie auf Start

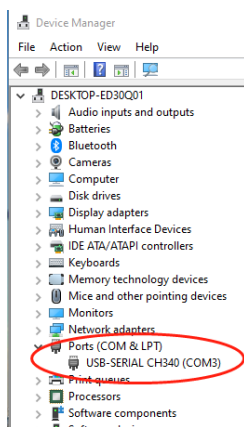


Bedienungsanleitung. Gravieren/Schneiden mit LaserGRBL

Schritt 1 Verbinden Sie sich mit dem Gerät

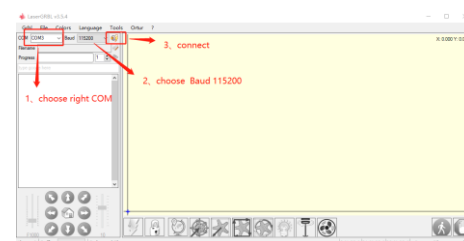
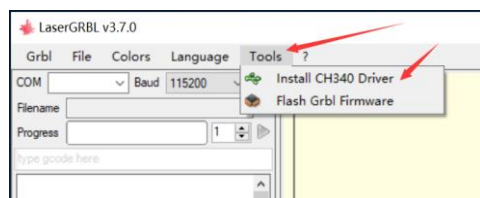
1. Schließen Sie die Graviermaschine an einen Computer an, auf dem die LaserGRBL-Software installiert ist.
2. Schließen Sie die Graviermaschine an.
3. Öffnen Sie die LaserGRBL Software.

4. Wählen Sie die richtige Portnummer und Baudrate in der Software-115200, (im Allgemeinen muss der COM-Port nicht manuell ausgewählt werden, aber wenn Sie mehrere serielle Geräte an den Computer angeschlossen haben, muss dies getan werden, können Sie den Port des Lasergravierers im Geräte-Manager des Windows-Systems finden oder versuchen Sie einfach die angezeigte Portnummer einzeln anzuzeigen).

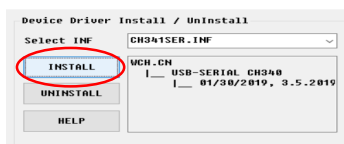
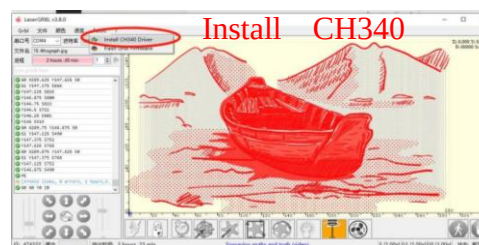
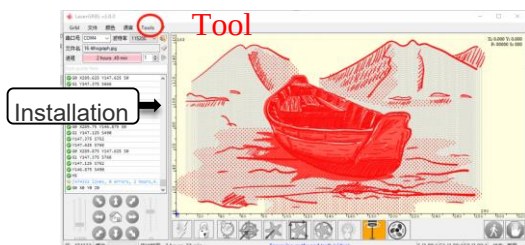


5. Installieren Sie zunächst den CH340-Treiber. Klicken Sie in der LaserGRBL Software auf "Extras" > "CH340 Treiber installieren", um den Treiber zu installieren, und starten Sie den Computer nach der Installation neu, um ihn anzuschließen.

6. Klicken Sie in der Software auf das Lightning Connection Flag. Die Verbindung ist erfolgreich, wenn das Leuchtenzeichen rot X wird.

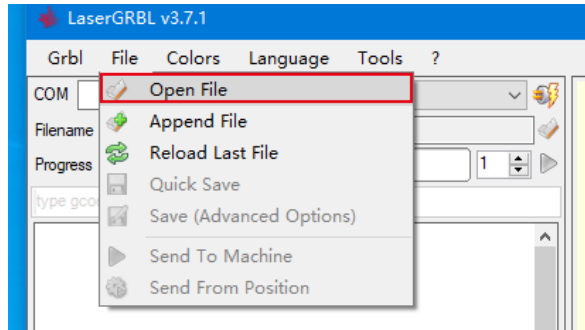


7. Wenn die Verbindung zwischen Computer und Graviermaschine ausfällt, müssen Sie das Laufwerk wie folgt aktualisieren. Klicken Sie in LaserGRBL auf "Extras" > "CH340 Treiber installieren", um den Installationstreiber zu aktualisieren, starten Sie den Computer nach der Aktualisierung neu und schließen Sie ihn an, wie in der Abbildung unten gezeigt.

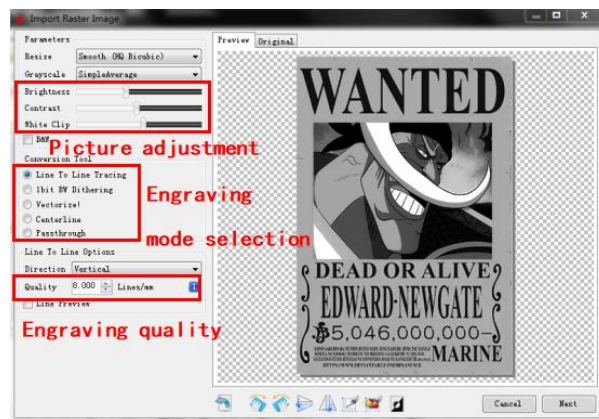


Schritt 2 Stellen Sie die Gravurparameter ein

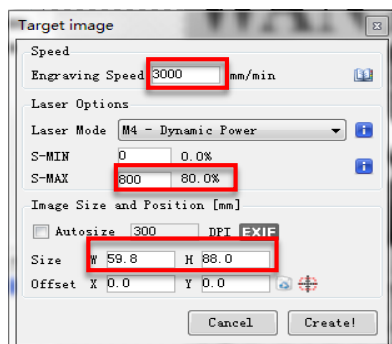
1. Wählen Sie die Gravurdatei aus. Öffnen Sie die LaserGRBL Software, klicken Sie auf "Datei" > "Datei öffnen" und wählen Sie die Grafik, die Sie gravieren möchten. LaserGRBL unterstützt NC, BMP, JPG, PNG, DXF und andere Formate.



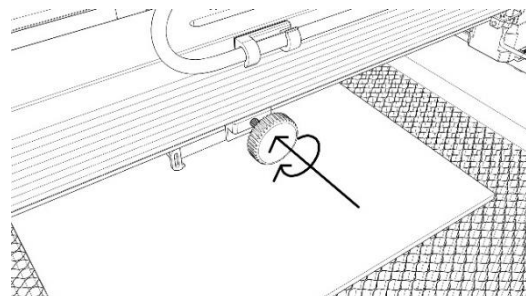
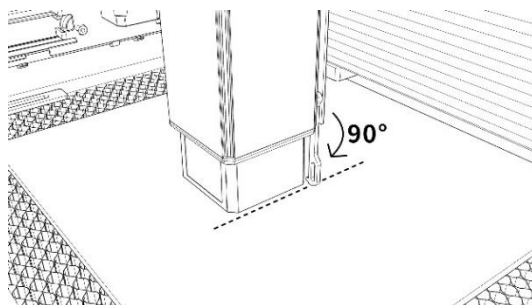
2. Legen Sie Bildparameter, Gravurmodus und Gravurqualität fest.



3. Stellen Sie die Geschwindigkeit, Energie und Größe der Gravur ein.

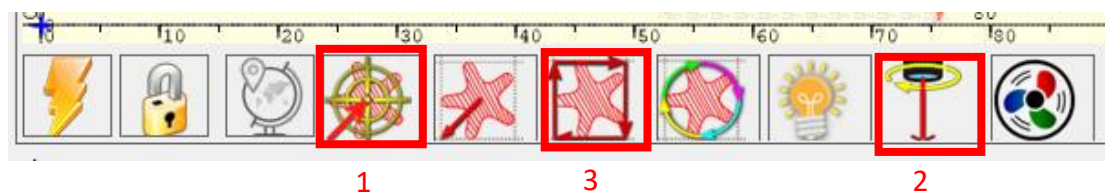


Schritt 3 Stellen Sie den Fokusstab ein

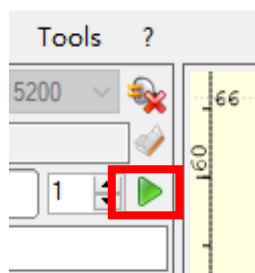


Schritt 4 Einstellung der Position

1. Wählen Sie die Schaltfläche "In die Mitte bewegen" und der Laser wird in die Mitte des Musters bewegt.
2. Klicken Sie auf die Schaltfläche "Lichtlaser", der Laser emittiert schwaches Licht, und der vom Laser emittierte Beleuchtungspunkt ist die Mitte des gravierten Musters, entsprechend wird die Position des gravierten Objekts eingestellt.
3. Klicken Sie auf die Schaltfläche "Konturabtastung" und der Laser beginnt mit dem Scannen der Außenkontur des Musters auf dem Computer. Sie können die Position des zu gravierenden Objekts entsprechend der Position der gescannten Außenkontur erneut ändern. Außerdem können Sie den "Surround"-Button mehrmals klicken, bis sich die Außenkontur an der Stelle befindet, an der Sie gravieren möchten.



Schritt 5 Gravieren oder Schneiden starten und stoppen



Start

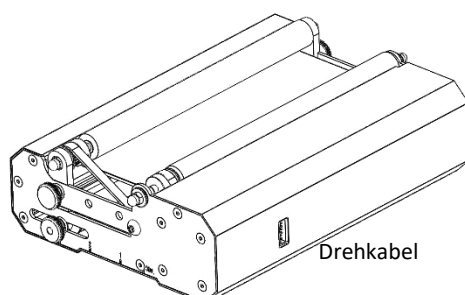


Stop

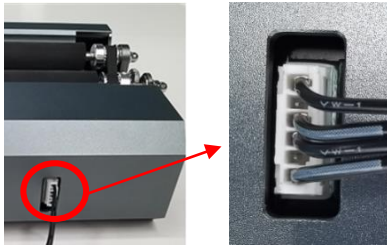
Bedienungsanleitung-Rotation Bearbeitung

Schritt 1 Verbinden Sie sich mit der Graviermaschine

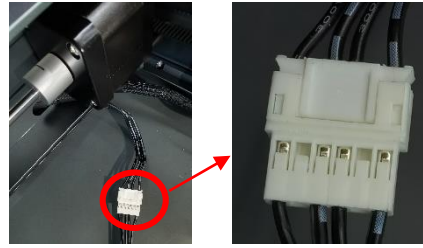
1. Verbinden Sie die Drehung mit der Graviermaschine.



Cable



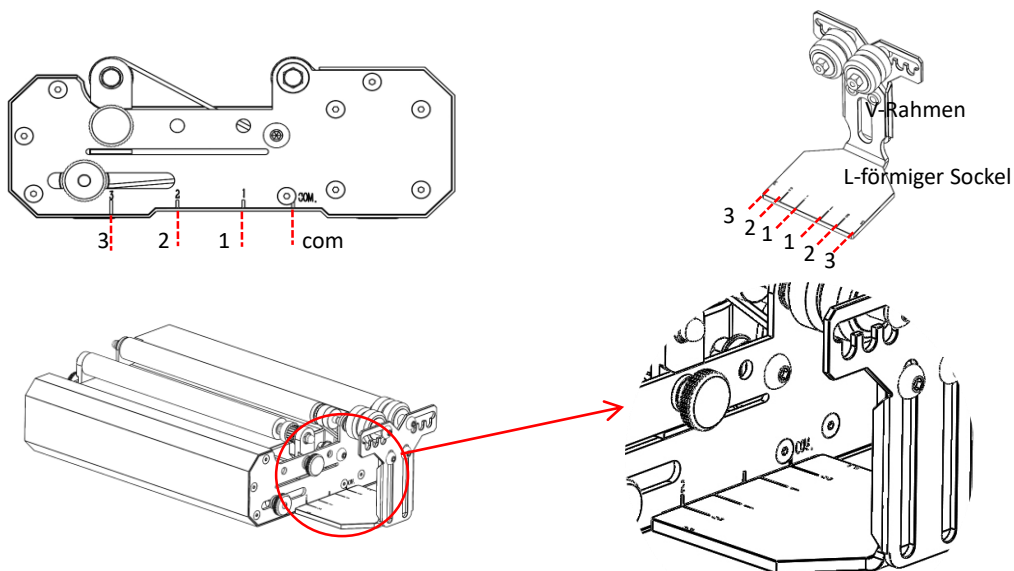
Drehanschluss an Rotation



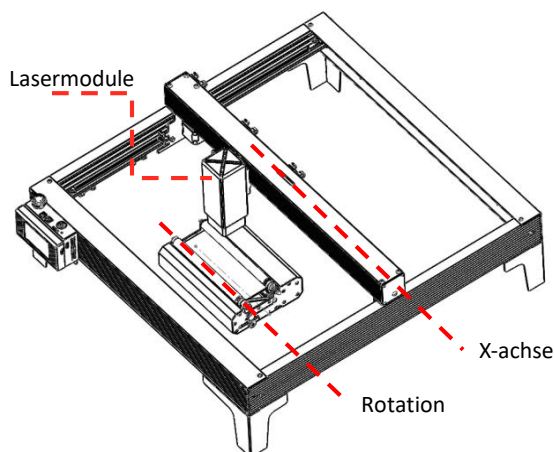
Drehanschluss an Y-Achsenmotor

Schritt 2 Passen Sie die Distanzschaltung an

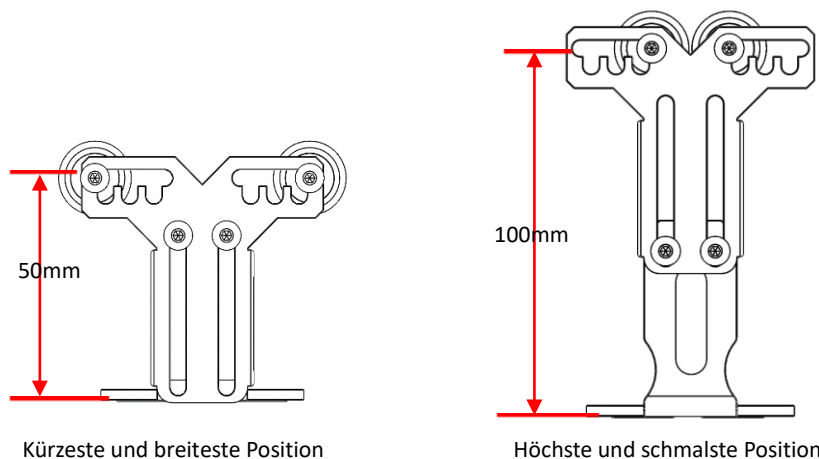
1. Die Drehung hat 3 Gewindebohrungen, die an Objekte unterschiedlicher Größe angepasst werden können, und die Gravur kann an Gegenstände angepasst werden.
2. Es gibt 3 Skalenmarkierungen auf der Seitenplatte des Rotators und 3 Skalenmarkierungen auf der L-Basis des V-Rahmens. Drehen Sie die L-förmige Basis in der Nähe, so dass Sie können die Markierungen wie folgt ausrichten.



Schritt 3 Halten Sie die Rotation parallel zur X- Achse

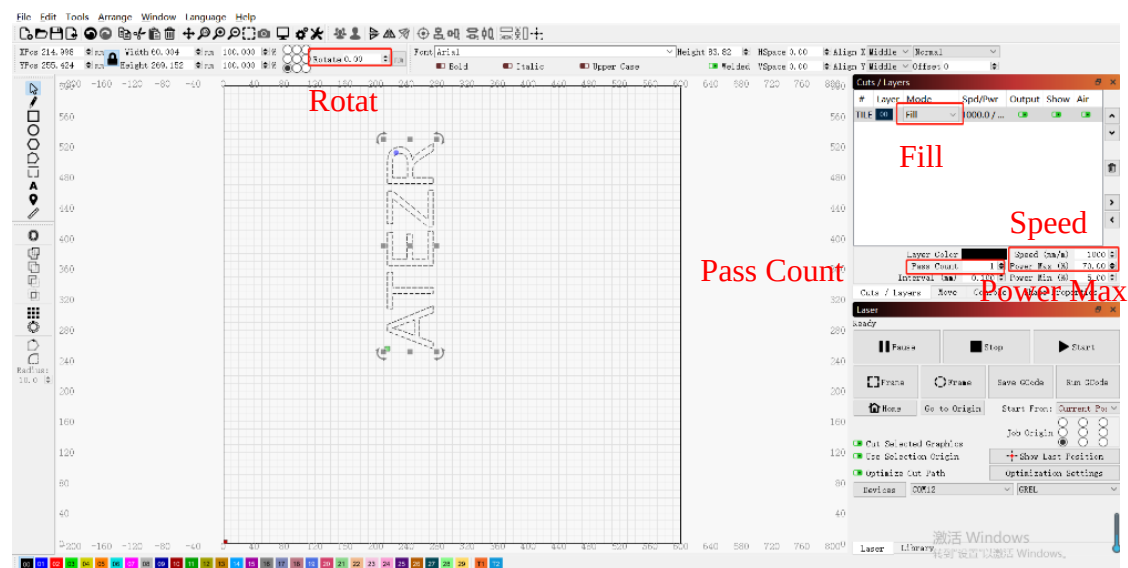


Schritt 4 Verstellen der L-Basis und V-Rahmen



Schritt 5 Setzen Sie die Parameter in LightBurn

1. Die Höhe des Rollen-V-Rahmens ist von 50 mm bis 100 mm einstellbar und kann an Objekte mit unterschiedlichen Höhen zum Gravieren angepasst werden. Der V-förmige Rahmen hat 5 verstellbare Löcher, die je nach Objektgröße eingestellt werden können, und kann in verschiedenen Breiten graviert werden.



APP Betrieb-Offline Gravur

Schritt 1 Download der ATEZR Laser App

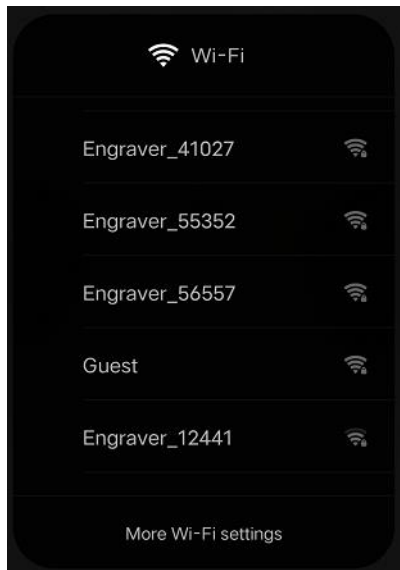
1. Gehen Sie zur APP Store Website Suche ATEZR LASER App.



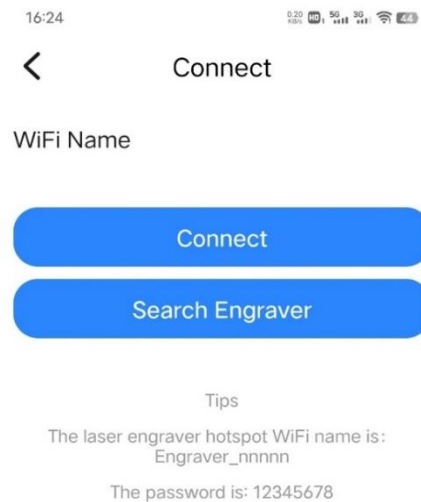
2. Schließen Sie die Installation ab und geben Sie die App ein.

Schritt 2 Verbinden Sie sich mit der Graviermaschine

1. Schalten Sie Ihr WLAN ein, wählen Sie den WLAN-Namen Ihres Graviers (Engraver_xxx) und geben Sie Ihr Passwort ein. Das Passwort für Ihr Gravier-WLAN lautet: 12345678

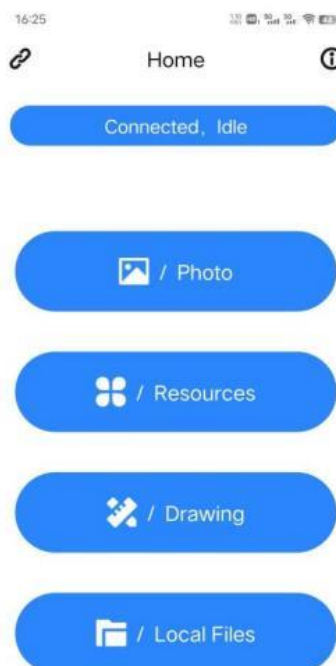


2. Gehen Sie auf die WiFi-Verbindungsseite der Anwendung und klicken Sie auf Suchbeschriftung, um eine Verbindung herzustellen.



Schritt 3 Wählen Sie eine Ressource für die Gravur

3. Wählen Sie eine Ressource aus.



4. Wählen Sie ein Bild (z. B. Sterne).



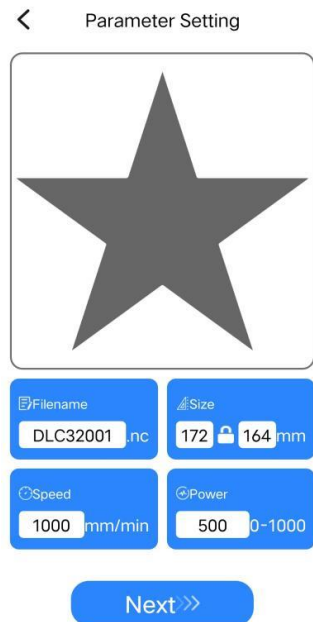
5. Stellen Sie Helligkeit und Kontrast ein und tippen Sie auf Weiter.



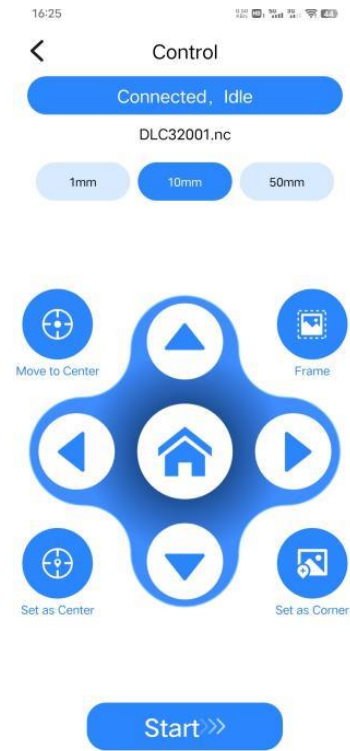
7. Eine Benachrichtigung wird angezeigt, nachdem die Datei erfolgreich hochgeladen wurde, und klicken Sie auf Start.



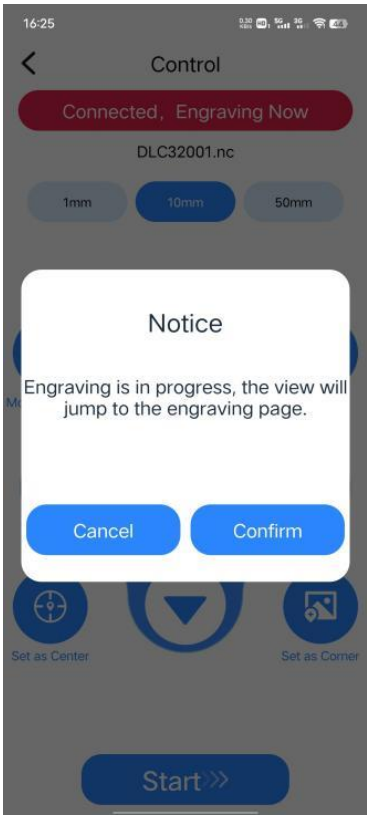
6. Legen Sie die Parametertabelle für Name, Größe, Geschwindigkeit und Leistung fest und klicken Sie auf Weiter.



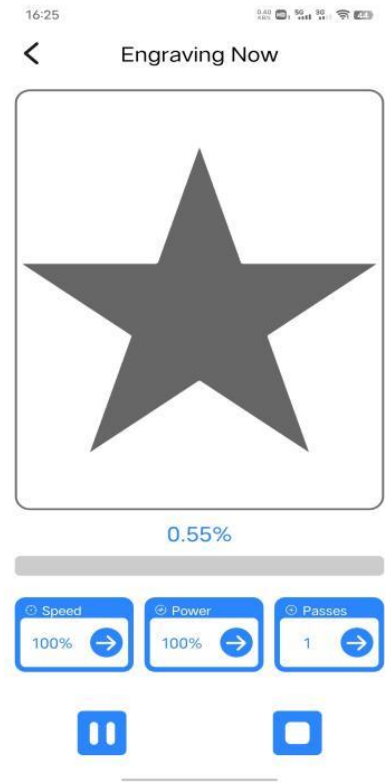
8. Gehen Sie zur Kontrollseite, klicken Sie auf den Rahmenknopf, um den Bereich zu testen, der für die Gravur geeignet ist, und klicken Sie auf Start.



9.Klicken Sie auf die Bestätigungsschaltfläche, um die Gravur zu starten (Abbrechen, die Maschine wird gestoppt Arbeit).



10.Wenn Sie die Gravurseite betreten, können Sie die Geschwindigkeit, den Leistungsanteil und die Gravurzeit anpassen.



Empfohlene Einstellung des Materials

Die Parameterliste gilt nur für die am häufigsten verwendeten Materialien. Kunden müssen möglicherweise andere ungewöhnliche Materialien selbst ausprobieren, wir werden auch in Zukunft unsere Testberichte zu verschiedenen Arten von Materialien hochladen. Die andere, Wenn der Kunde einen anderen Gravureffekt wünscht, beachten Sie bitte die Parametertabelle, um die Parameter in Lightburn entsprechend anzupassen.

Atezzr-5W (Laserleistung 5W)

	Das Material	Die Dicke (mm)	Power (%)	Geschwindigkeit (mm/min)	Anzahl
Cut	Sperrholz	3	80	150	1
	Paulownia Holz	5	80	150	1
	Paulownia Holz	6	80	150	10
	Die Kiefer	5	80	60	1
	Die Kiefer	5.5	80	150	3
	Bambus	2	80	250	1
	Acryl	3	80	50	1

	Acryl	8	80	50	10
	Kraftpapier	0.2	80	3500	1
	Kunstleder	2	100	100	1

Gravur	Das Material	Zeile ninterv all	Power (%)	Gesch windigkeit (mm/min)	Anzahl
	Sperrholz	0.1	60	3000	1
	Bambus	0.1	50	3000	1
	MDF	0.1	25	3000	1
	Karton	0.1	30	3000	1
	Kraftpapier	0.1	28	3000	1
	Ölgemäldepapier	0.1	10	1000	1
	Leder	0.1	20	3000	1
	Gummi	0.1	70	1000	1
	Harz	0.1	40	1000	1
	Denim	0.1	20	3000	1
	Schaumstoffplatte mit hoher Dichte	0.1	30	3000	1
	Zweifarbige Version	0.1	30	3000	1
	Leiterplatte	0.1	80	600	1
	Acryl	0.1	50	3000	1
	Waren aus Kunststoffen	0.1	20	1000	1
	Keramik (geschwärzt)	0.08	80	1000	1
	Keramik Fliesen (geschw ärzt)	0.08	80	1000	1
	Die Kieselsteine	0.1	80	1000	1
	The Rock	0.1	70	1000	1
	K ünstlicher Rinderknochen	0.1	70	700	1
	Rückspiegel	0.08	40	3000	1
	Glas (geschwärzt)	0.065	80	400	1
	Beschichtetes Aluminiumoxid	0.05	80	100	1
	Spiegel aus Edelstahl Stahl (geschw ärzt)	0.08	80	100	1

	Gebürsteter Edelstahl Stahl	0.08	80	100	1
--	-----------------------------------	------	----	-----	---

Atezz-10W (Laserleistung 10W)

Cut	Das Material	Die Dicke (mm)	Power (%)	Geschwindigkeit (mm/min)	Anzahl
	Sperrholz	5	80	150	1
	Paulownia Holz	7	80	150	1
	Paulownia Holz	8	80	700	8
	Die Kiefer	5	80	100	1
	Die Kiefer	7	80	300	8
	Bambus	2	80	400	1
	Acryl	4	80	100	1
	Acryl	10	80	100	5
	Kraftpapier	2	80	100	1
	Kunstleder	0.2	80	3500	1

Gravur	Das Material	Zeilenintervall	Power (%)	Geschwindigkeit (mm/min)	Anzahl
	Sperrholz	0.1	25	3000	1
	Bambus	0.1	30	3000	1
	MDF	0.1	20	3000	1
	Karton	0.1	30	3000	1
	Kraftpapier	0.1	20	3000	1
	Ölgemäldepapier	0.1	30	3000	1
	Leder	0.1	20	3000	1
	Gummi	0.1	50	2000	1
	Harz	0.1	40	2000	1
	Denim	0.1	20	2000	1
	Schaumstoffplatte mit hoher Dichte	0.1	25	3000	1
	Zweifarbige Version	0.1	20	3000	1
	Leiterplatte	0.1	70	2000	1
	Acryl	0.1	25	3000	1
	Waren aus Kunststoffen	0.1	20	3000	1
	Keramik(geschwärzt)	0.08	70	400	1
	Keramik Fliesen (geschwärzt)	0.08	80	300	1
	Die Kieselsteine	0.1	60	1000	1

	The Rock	0.1	70	1000	1
	Künstlicher Rinderknochen	0.1	50	1000	1
	Rückspiegel	0.08	20	3000	1
	Glas (geschwärzt)	0.065	70	1000	1
	Beschichtetes Aluminiumoxid	0.05	80	500	1
	Spiegel aus Edelstahl Stahl (geschwärzt)	0.08	80	100	1
	Gebürsteter Edelstahl Stahl	0.08	80	300	1
	Sperrholz	0.08	100	200	1

Atezz-20W (Laserleistung 20W)

Cut	Das Material	Die Dicke (mm)	Power (%)	Geschwindigkeit (mm/min)	Anzahl
	Sperrholz	8	100	200	1
	Paulownia Holz	10	75	600	6
	Paulownia Holz	12	100	260	1
	Die Kiefer	18	100	400	6
	Die Kiefer	9	100	130	1
	Bambus	14	80	280	10
	Acryl	5	100	400	1
	Acryl	5	100	100	1
	Kraftpapier	15	65	100	10
	Kunstleder	2	80	300	1
	Sperrholz	0.2	80	3000	1
	Paulownia Holz	4.5	100	160	1
	Paulownia Holz	8	100	400	4
	Die Kiefer	0.05	80	500	1

Gravur	Das Material	Zeilenintervall	Power (%)	Geschwindigkeit (mm/min)	Anzahl
	Sperrholz	0.1	20	3000	1
	Bambus	0.1	30	3000	1
	MDF	0.1	20	3000	1
	Karton	0.1	15	3000	1
	Kraftpapier	0.1	15	3000	1
	Ölgemäldepapier	0.1	25	3000	1
	Leder	0.1	20	3000	1

	Gummi	0.1	50	3000	1
	Harz	0.1	13	1000	1
	Denim	0.1	20	3000	1
	Schaumstoffplatte mit hoher Dichte	0.1	15	3000	1
	Zweifarbige Version	0.1	12	3000	1
	Leiterplatte	0.1	60	2000	1
	Acryl	0.1	50	3000	1
	Waren aus Kunststoffen	0.1	20	3000	1
	Keramik (geschwärzt)	0.08	80	1000	1
	Keramik Fliesen (geschwärzt)	0.08	80	1000	1
	Die Kieselsteine	0.1	60	3000	1
	The Rock	0.1	60	3000	1
	Künstlicher Rinderknochen	0.1	100	100	1
	Rückspiegel	0.1	30	1000	1
	Glas (geschwärzt)	0.08	30	3000	1
	Beschichtetes Aluminiumoxid	0.065	50	1000	1
	Spiegel aus Edelstahl Stahl (geschwärzt)	0.05	80	500	1
	Gebürsteter Edelstahl Stahl	0.08	80	600	1
	Sperrholz	0.08	80	1000	1
	Bambus	0.08	80	500	1

Atezz-35W (Laserleistung 35W)

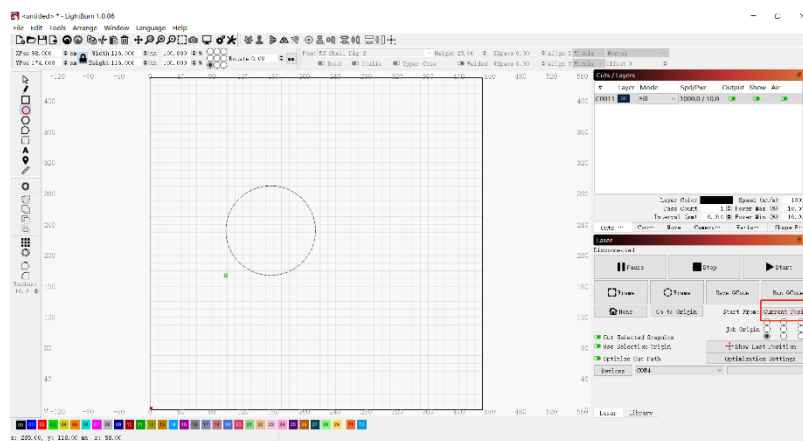
Schneiden	Das Material	Die Dicke Mm	The Power (%)	The Speed mm/min	Anzahl
	Die Linde	14	80%	600	9
	Das Kiefernholz	15	80%	600	10
	Paulownia Holz	20	70%	750	9
	Paulownia Holz	14	80%	200	1
	The Cork	15	100%	500	1

	Bambus	5	80%	400	1
	Leder	5	60%	1000	5
	Kraftpapier	0.6	80%	2000	1
	Acryl	20	80%	100	10
	Acryl	5	80%	100	1
	MDF	8	80%	1000	7
	MDF	5	80%	350	1
	Bleche aus rostfreiem Stahl	0.05	60%	1000	1
	EVa Schaumstoff	8	80%	1500	1
	Klebreispapier	0.5	80%	300	1
	Trockenbau	15	80%	100	1
Gravur	Das Material	Die Dicke Mm	The Power (%)	The Speed mm/min	Anzahl
	Die Linde	0.1	6000	20%	1
	Gelber Pfirsich	0.1	7000	15%	1
	Das Kiefernholz	0.1	5000	20%	1
	Paulownia Holz	0.1	7000	45%	1
	Bambus	0.1	7000	50%	1
	Leder	0.1	6000	20%	1
	Denim	0.1	3000	20%	1
	Keramik	0.05	1000	80%	1
	Die Fliesen	0.1	2200	80%	1
	Aluminiumoxid	0.01	1000	60%	1
	Das Glas	0.1	1500	50%	1
	Acryl	0.1	6000	50%	1
	Transluzentes Acryl	0.1	6000	13%	1
	Tafel mit zwei Farben	0.1	5000	12%	1
	Aus Kunststoff	0.1	6000	20%	1
	Harz	0.1	1500	13%	1
	Schaumstoffplatte mit hoher Dichte	0.1	5000	9%	1
	Gummi	0.1	5000	50%	1
	Kraftpapier	0.1	7000	15%	1
	Büropapier	0.125	3000	13%	1
	Karton	0.1	3000	15%	1
	MDF	0.085	6000	20%	1
	The Mirror	0.08	7000	30%	1
	The Rock	0.1	6000	60%	1
	Der Kristallstein	0.1	2000	25%	1
	Leiterplatte	0.1	4000	55%	1

	Spiegel aus Edelstahl	0.1	2000	60%	1
	Geb ürsteter Edelstahl	0.08	1500	80%	1
	Verzinktes Eisen	0.1	200	80%	1
	Blech	0.1	500	80%	1
	Messing	0.1	1000	80%	1
	Transparentes Polycarbonat	0.1	7000	15%	1
	Schraubenschl üssel Chrom-Vanadium- Legierung	0.1	500	80%	1
	Die Kieselsteine	0.1	6000	60%	1

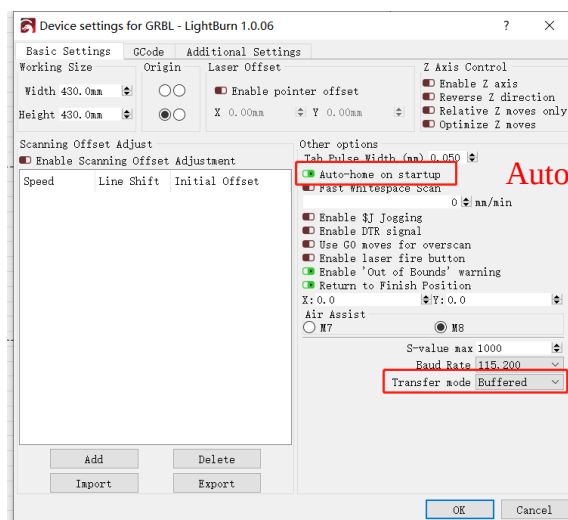
Vorsichtsmaßnahmen

1. Bitte wählen Sie den richtigen COM-Port, um die Software und das Ger.ä. dass der Computerport nicht mit dem USB-Kabel verbunden ist.
2. Bitte überprüfen Sie vor dem Gravieren, ob jeder Mechanismus locker ist (Zahnriemen, Rollenexzenter, Lasermodul locker oder schütteln).
3. Stellen Sie die Brennweite korrekt ein und stellen Sie sicher, dass der Abstand vom Ende der Laserschutzabdeckung zur Gravur eine feste Fokusfilmdicke ist.
4. Die Software LightBurn kann das Gravieren und Schneiden verschiedener Materialien unter Bezugnahme auf die Parametertabellen in den entsprechenden Handbüchern durchführen. Die 5W-Lasergravur von Spiegelmetall erfordert eine manuelle Oberflächenschwärzung.
5. In der Konfigurationsdatei ist die Startposition standardmäßig auf die aktuelle Position festgelegt.



Current Posi

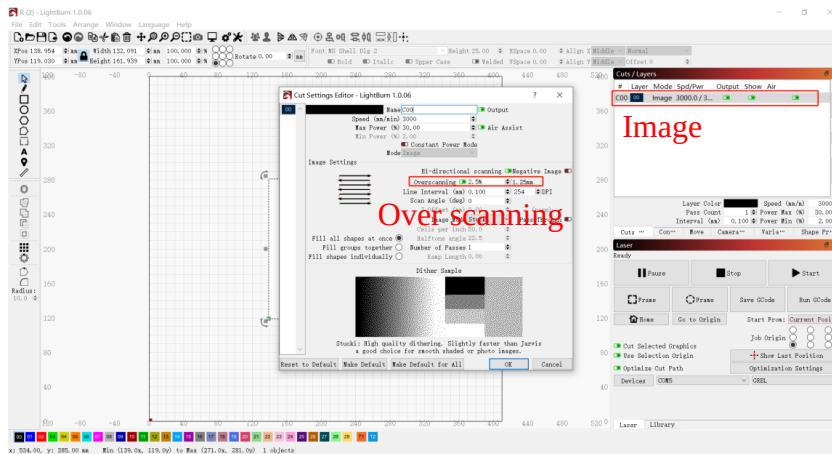
6. Der Übertragungsmodus ist standardmäßig auf Puffern eingestellt. Ändern Sie nicht die Art der Übertragung.



Auto-home on startup

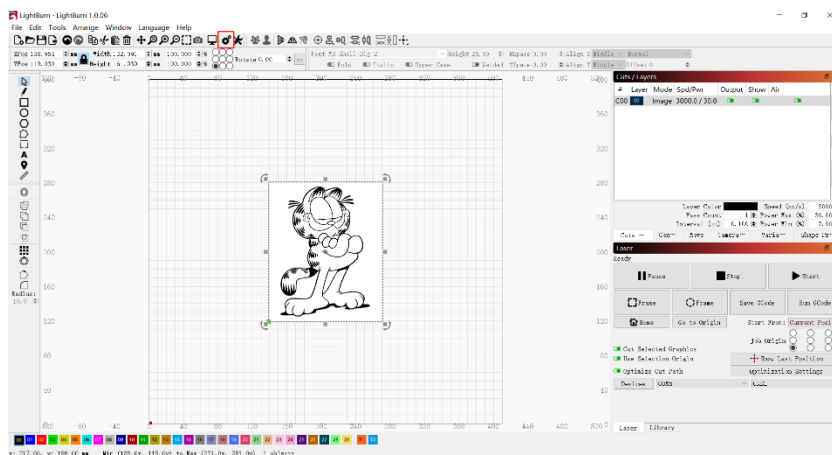
Transfer mode Buffered

7. Aktivieren Sie Overscan in den Ebeneneinstellungen, um zu verhindern, dass die Kanten geschwärzt werden.

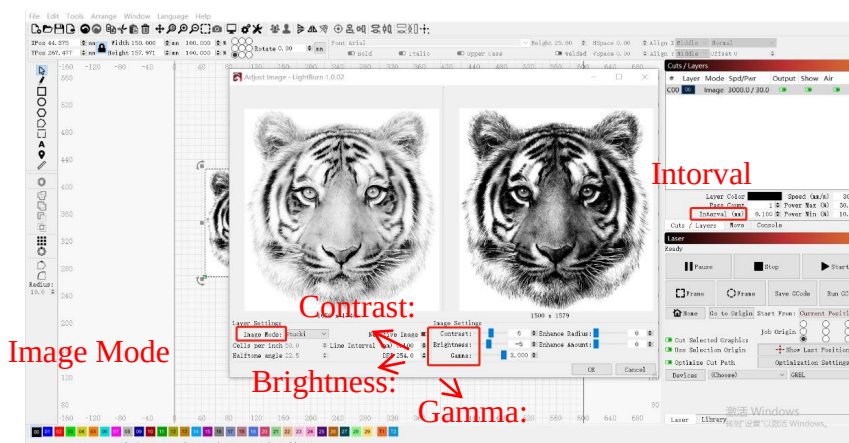


8. Wechseln Sie zwischen Laser GRBL und LightBurn Software, ohne die Maschine ausschalten zu müssen, schalten Sie einfach die aktuelle Software aus und schalten Sie eine andere Software ein, um die entsprechende serielle Schnittstelle zu öffnen.

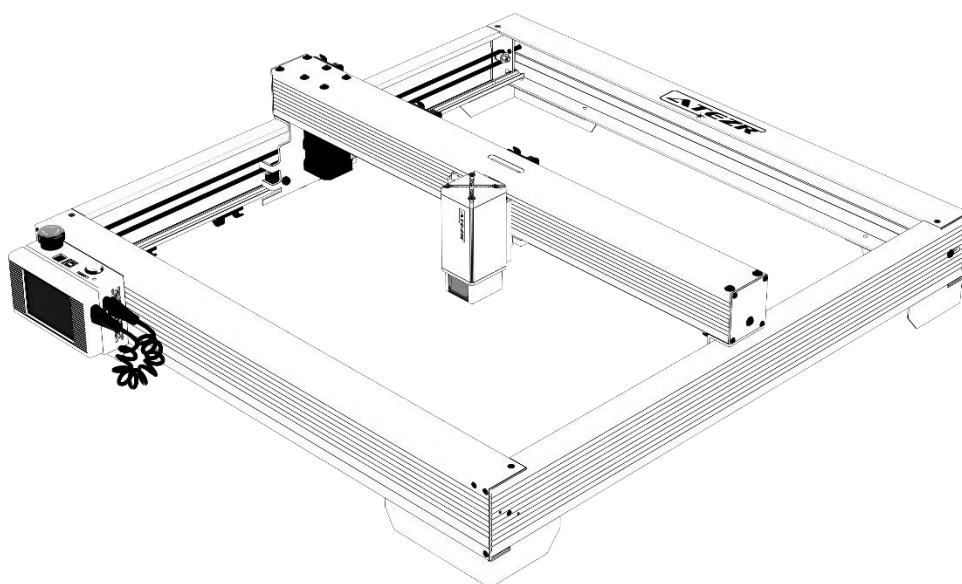
9. Wenn Sie die LightBurn-Software zum ersten Mal verwenden, müssen Sie die Geschwindigkeitseinheit unter Bezugnahme auf unsere Parametertabelle einstellen. schalten Sie eine andere Software ein, um die entsprechende serielle Schnittstelle zu öffnen.



10. Beim Gravieren müssen Sie den Gravurmodus und die entsprechenden Parameter auswählen, um den gewünschten Effekt zu erzielen.



Guide de l'utilisateur d'Atezzr



- ☒ English
- ☒ Deutsche
- ☒ Français
- ☒ Italiano
- ☒ Español



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Avertissement

Si vous avez besoin de contrôler Atezzr via LightBurn, téléchargez la version officielle du logiciel LightBurn. LightBurn est un logiciel tiers et, par conséquent, Atezzr Service n'est pas responsable de toute perte résultant du fonctionnement de LightBurn. Le firmware d'Atezzr a été testé en détail par Atezzr et des incompatibilités avec le logiciel ou le matériel peuvent encore se produire. Si une erreur se produit en raison d'une incompatibilité, vous pouvez contacter notre service client pour une assistance technique.

atezzr@service.com

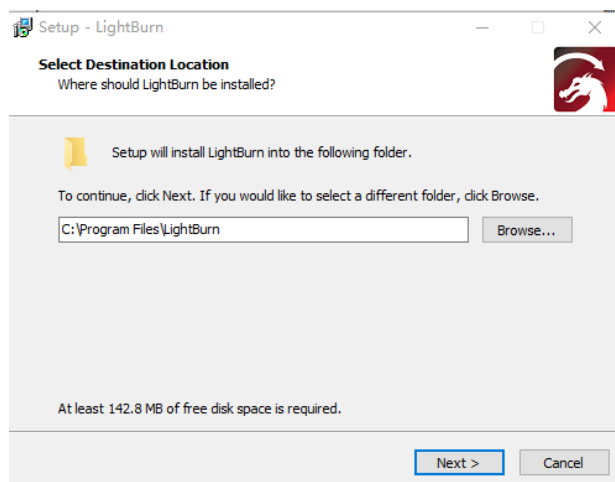
Obtenir et installer LightBurn

1. Téléchargez le fichier sur le site Web de LightBurn:

<https://lightburnsoftware.com/>



2. Double-cliquez sur le package d'installation pour l'installation et cliquez sur "Suivant" dans la fenêtre contextuelle.

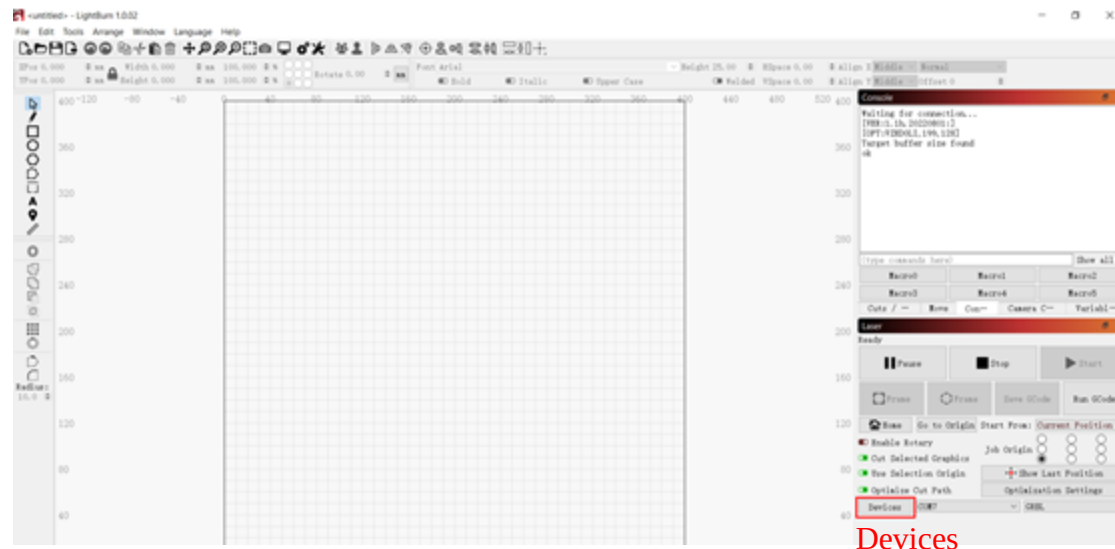


3. Commencez votre essai gratuit

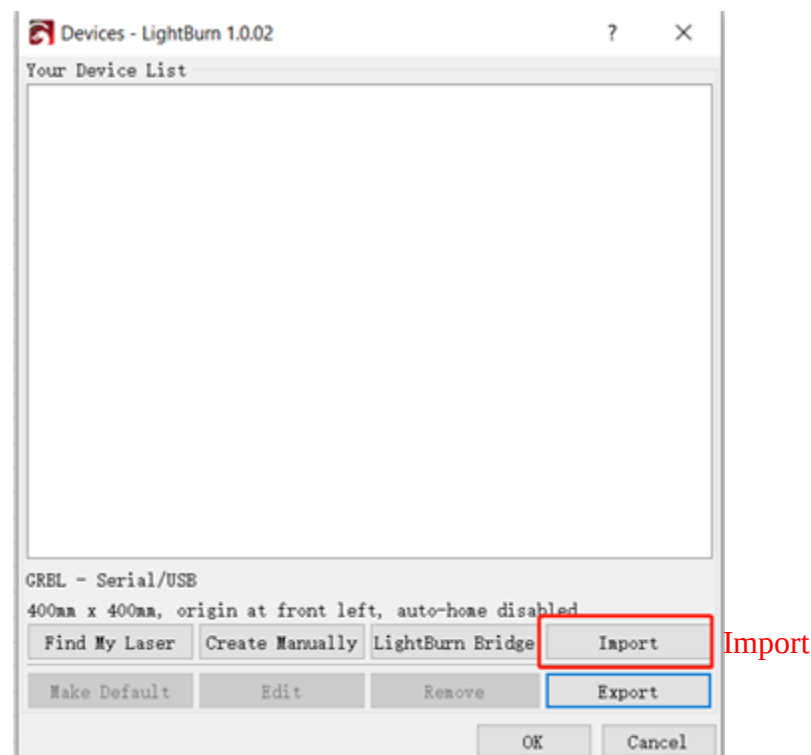


Configurer Atezz sur LightBurn

Étape 1 Cliquez sur l'appareil

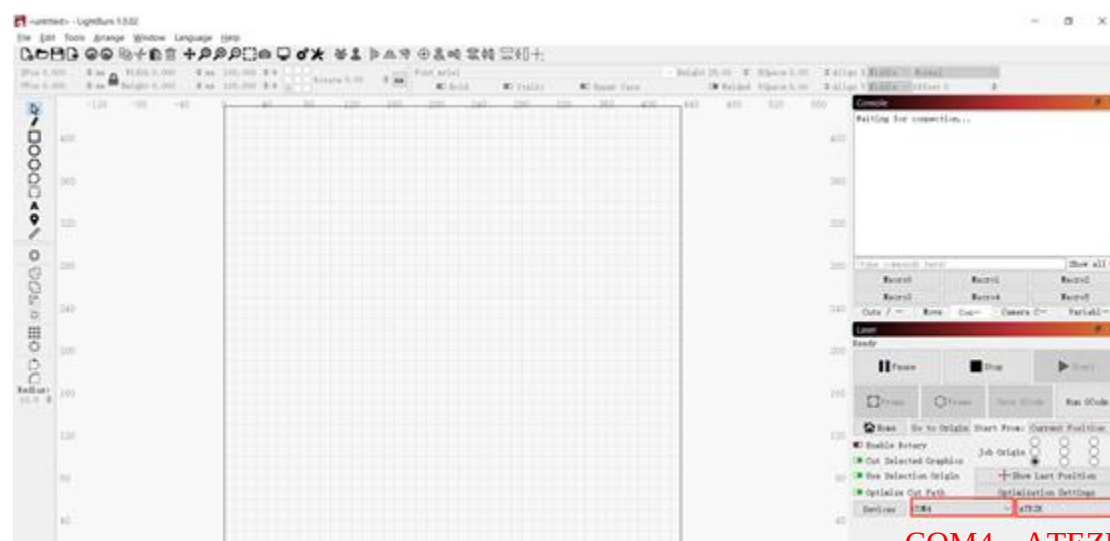
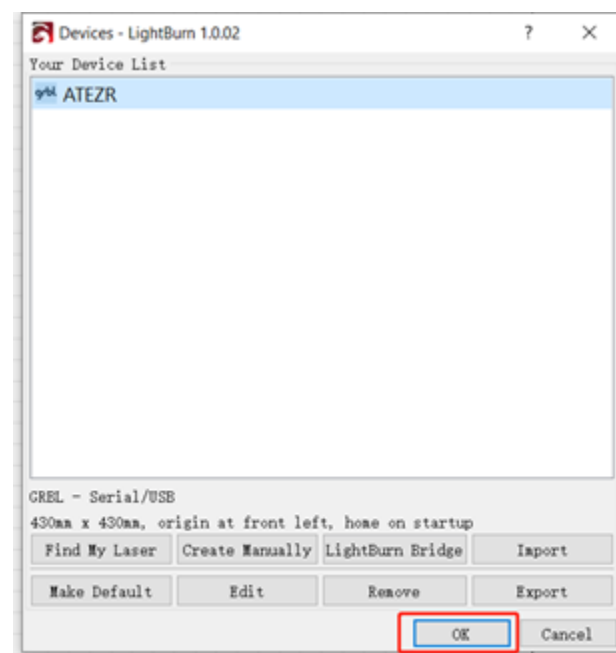
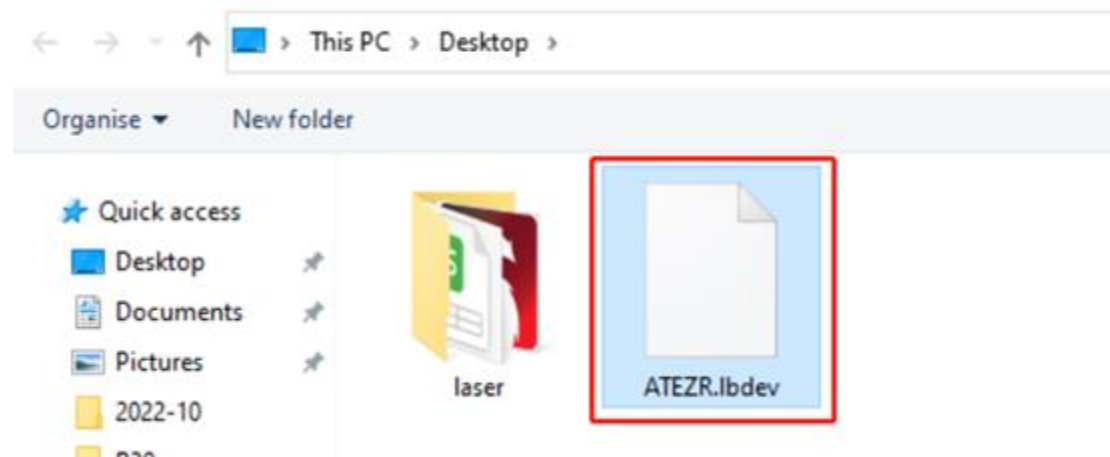


Étape 2 Importer des fichiers Atezz_Prefs



Le fichier de configuration pour que Lightburn reconnaisse Atezz se trouve dans la carte TF attachée. Nom du fichier : ATEZR.lbdev

Load Device Profile

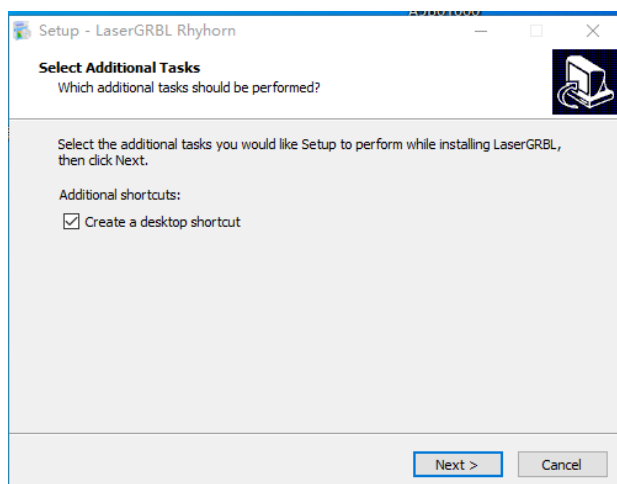


Sélectionnez port série et ATEZR. Si la connexion est correcte, la configuration est importée avec succès.

Configurer Atezz sur LaserGRBL

Étape 1 Télécharger et installer LaserGRBL

1. Téléchargez les fichiers et installez le logiciel à partir du site Web ci-dessous
<http://lasergrbl.com/download/>



Étape 2 Ajouter des boutons personnalisés

1. Ajoutez des boutons personnalisés au logiciel en fonction de votre utilisation. Nous recommandons les boutons personnalisés officiels de LaserGRBL. Adresse de téléchargement du bouton personnalisé <http://lasergrbl.com/usage/custom-buttons/>. Le bouton personnalisé téléchargé est illustré dans la figure 2 ci-dessous.

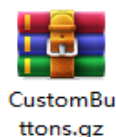


Figure 1: Installation du logiciel

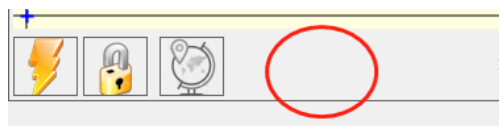


Figure 2: Ajouter des boutons personnalisés

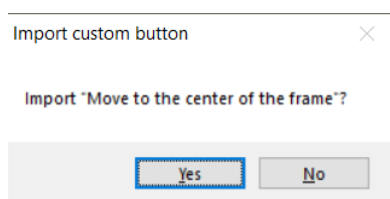


Figure 3: Chargement de bouton personnalisé

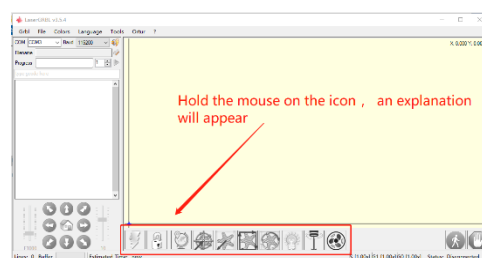
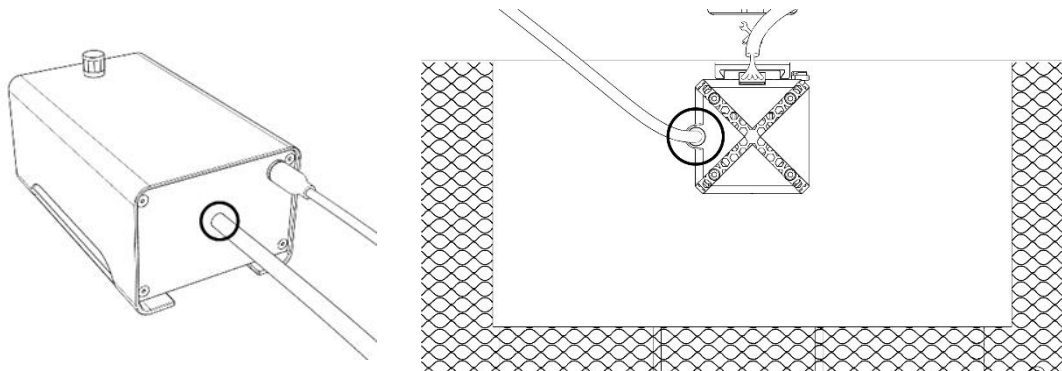


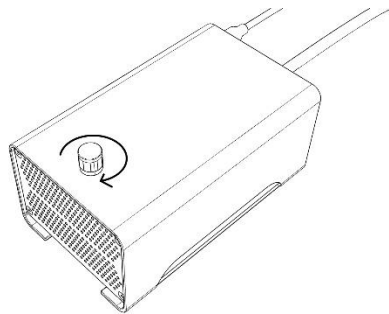
Figure 4: bouton logiciel

Guide d'exploitation Traitement de l'assistance aérienne

Étape 1 Connectez le tube au module laser

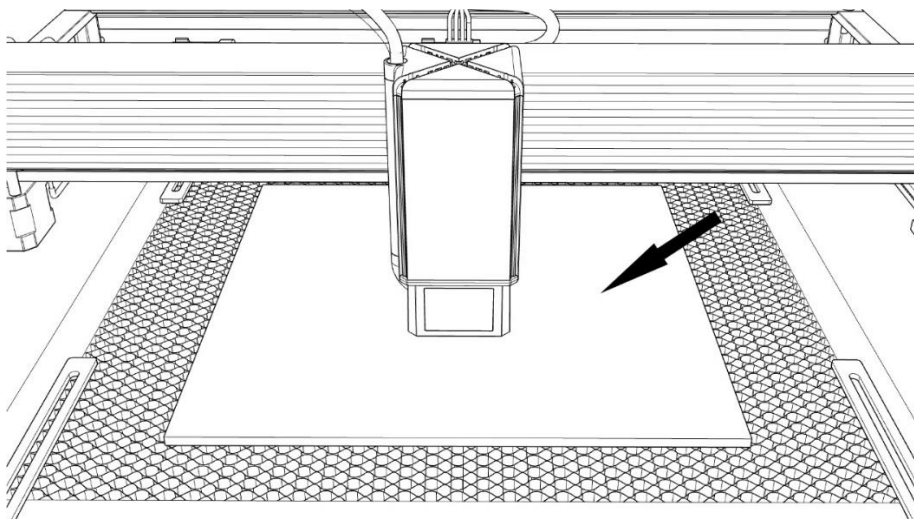


Étape 2 Allumez-le ou éteignez-le avec un interrupteur rotatif

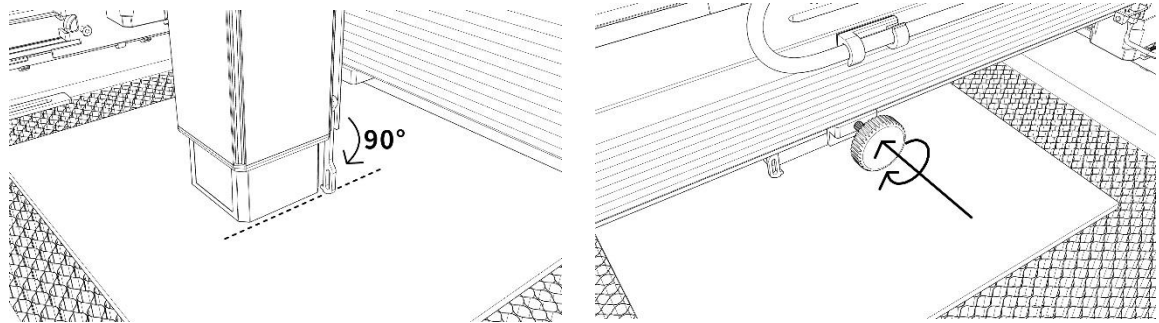


Directives opérationnelles. Usinage de gravure/découpe avec LightBurn

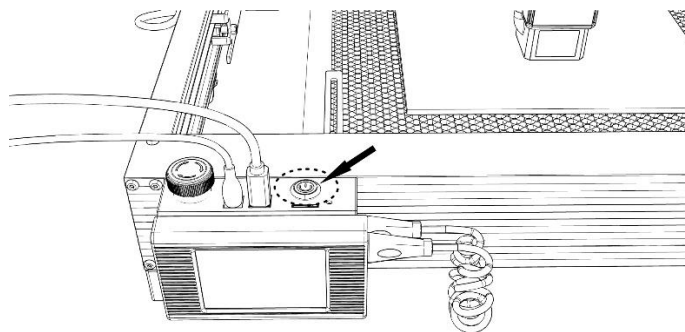
Étape 1 Placer le matériau de gravure



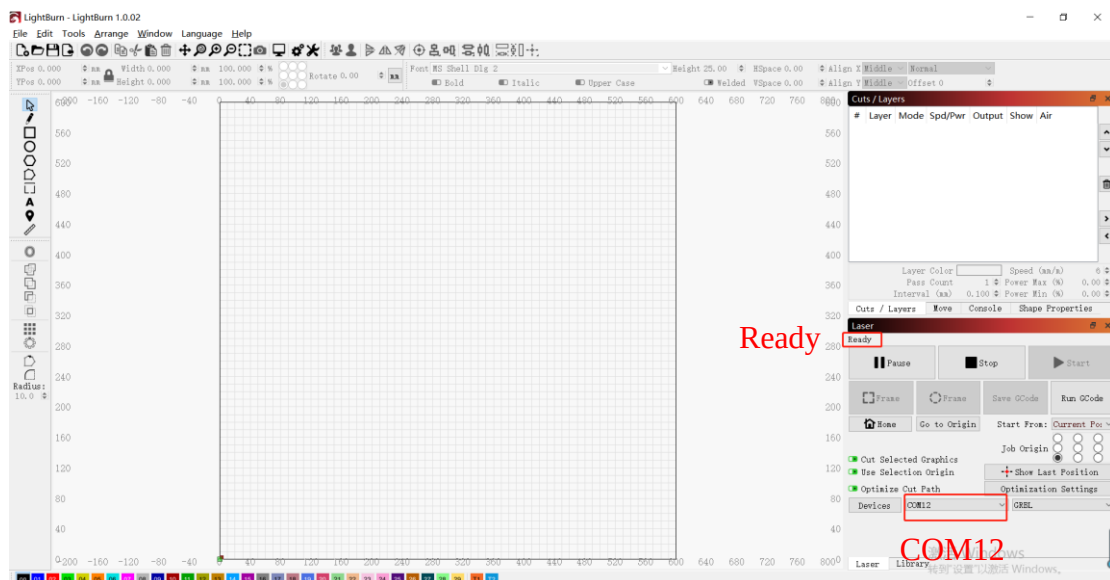
Étape 2 Ajustez le levier de mise au point

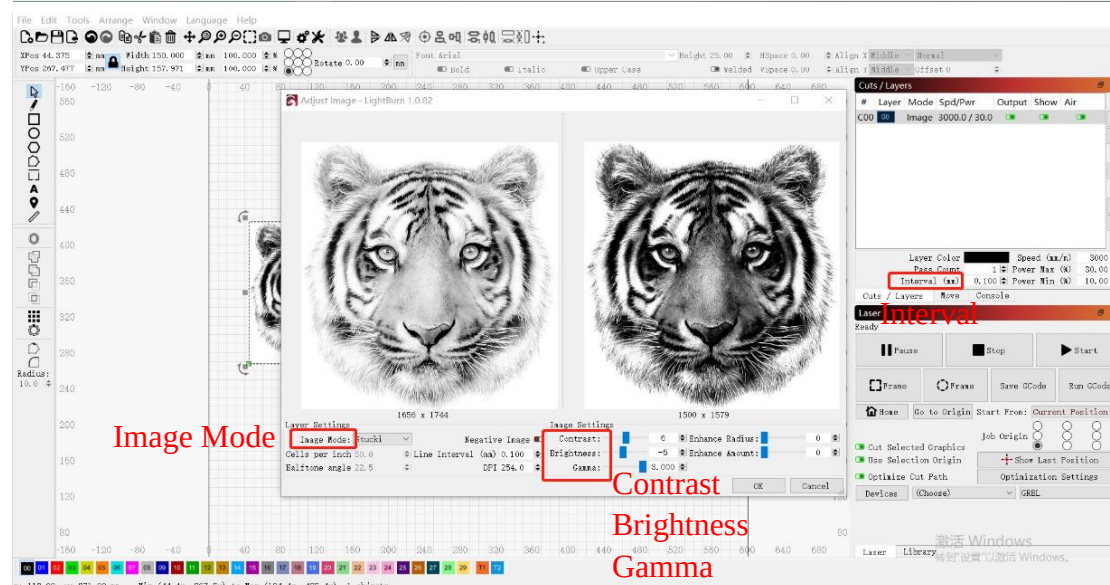


Étape 3 Électricité

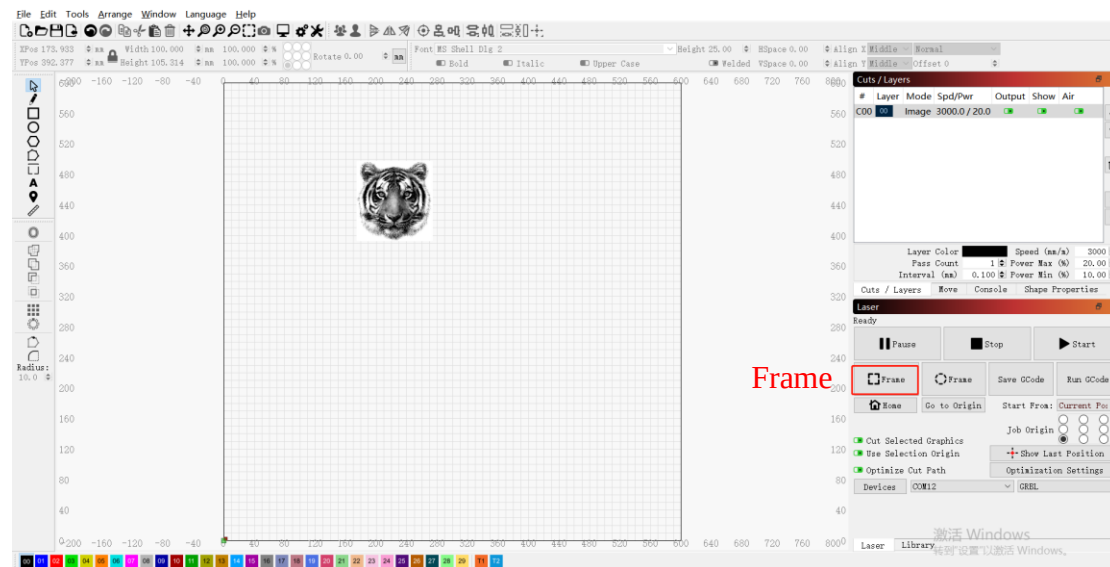


Étape 4 Connectez la machine à l'ordinateur

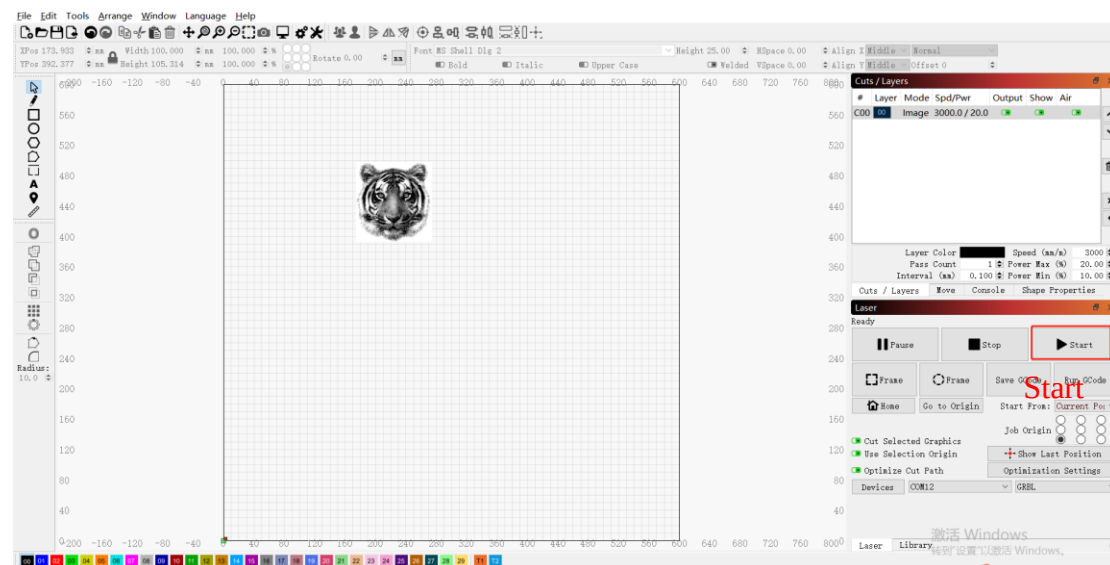




Étape 7 Cliquez sur le cadre



Étape 8 Cliquez sur Démarrer

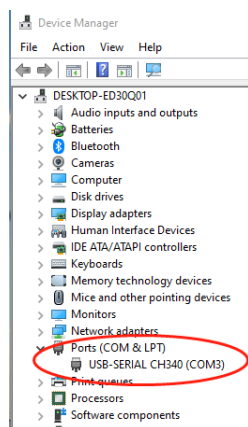


Directives opérationnelles. Usinage de gravure/ découpe avec LaserGRBL

Étape 1 Connexion à la machine

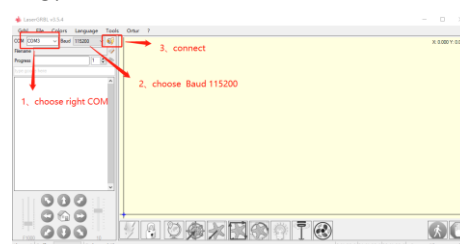
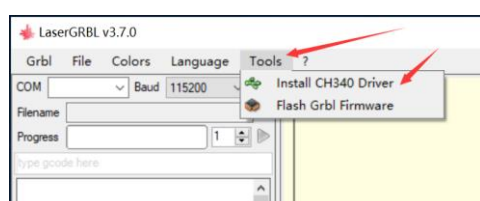
1. Connectez la machine à graver à l'ordinateur sur lequel le logiciel LaserGRBL est installé
2. Branchez la machine à graver.
3. Ouvrez le logiciel LaserGRBL.

4. Choisissez le bon numéro de port et le bon débit en bauds dans le logiciel- 115200, (en général, le port COM n'a pas besoin d'être sélectionné manuellement, mais si vous avez plusieurs périphériques série connectés à l'ordinateur, il en a besoin, vous pouvez trouver les ports de la graveuse laser dans le gestionnaire de périphériques de votre système Windows, ou vous pouvez simplement essayer d'afficher les numéros de port un par un).

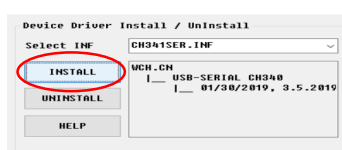
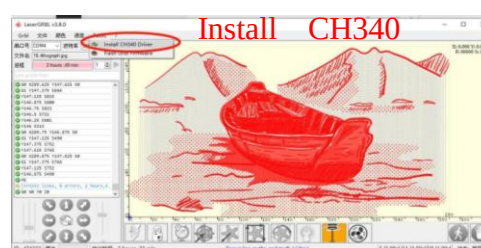
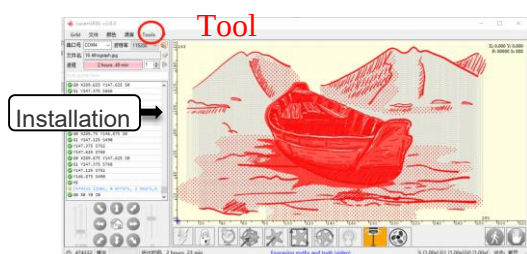


5. Tout d'abord, installez le pilote CH340. Dans le logiciel LaserGRBL, cliquez sur "Outils" > "Installer le pilote CH340" pour installer le pilote et redémarrez l'ordinateur après l'installation pour se connecter.

6. Cliquez sur le logo Lightning Connection dans le logiciel. La connexion a réussi lorsque le drapeau de lightning devient un X ro.

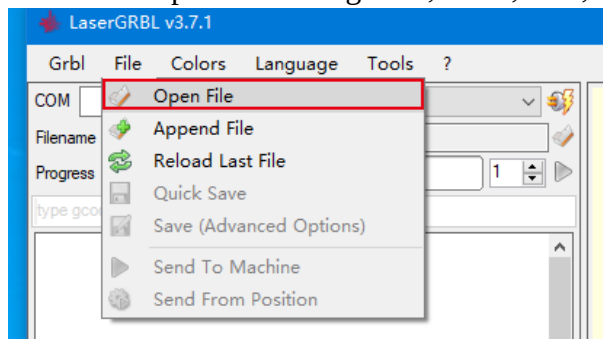


7. Si la connexion entre l'ordinateur et la machine de gravure échoue, vous devez mettre à jour le lecteur comme suit. Dans LaserGRBL, cliquez sur "Outils" > "Installer le pilote CH340" pour mettre à jour le pilote d'installation, redémarrez l'ordinateur une fois la mise à jour terminée, puis connectez-vous comme indiqué dans la figure.

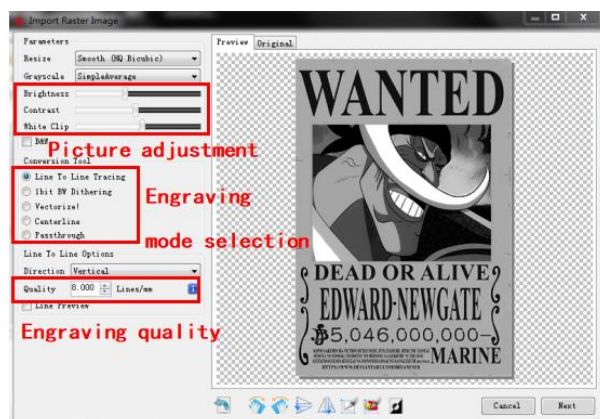


Étape 2 Réglez les paramètres de gravure

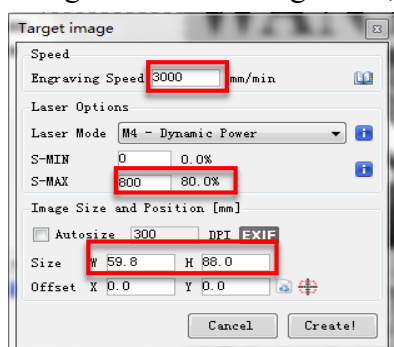
1. Sélectionnez un fichier gravé Ouvrez le logiciel LaserGRBL, cliquez sur "Fichier" > "Ouvrir le fichier", puis sélectionnez les graphiques à graver. LaserGRBL prend en charge NC, BMP, JPG, PNG, DXF et d'autres formats.



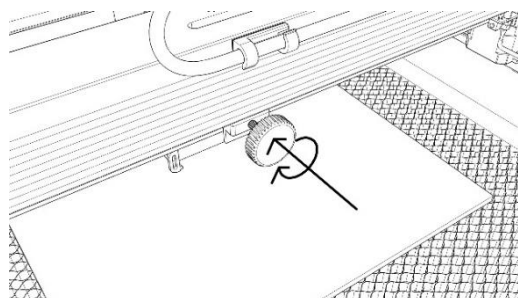
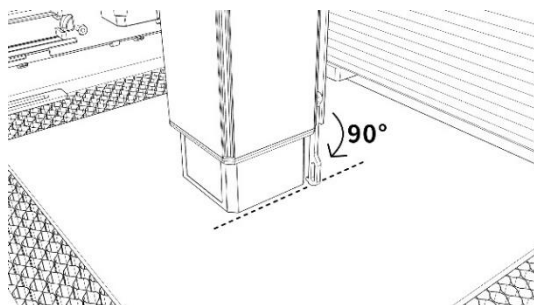
2. Définissez les paramètres d'image, le mode de gravure et la qualité de gravure.



3. Réglez la vitesse de gravure, l'énergie et la taille.

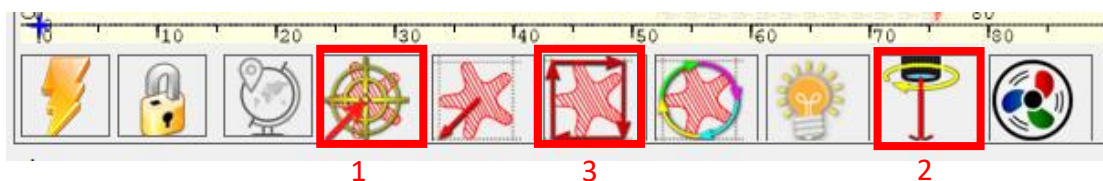


Étape 3 Ajuster la barre de mise au point

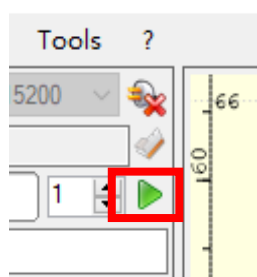


Étape 4 Régler la position

1. Sélectionnez le bouton Déplacer vers le centre et le laser se déplace vers le centre du motif.
2. En cliquant sur le bouton "Laser light", le laser émet une faible lumière et le point d'irradiation émis par le laser est le centre du motif gravé. En conséquence, la position de l'objet gravé est ajustée.
3. Cliquez sur le bouton "Contour Scan" et le laser commencera à scanner le contour extérieur du motif sur l'ordinateur. Vous pouvez à nouveau changer la position de l'objet gravé en fonction de la position du contour extérieur numérisé. De plus, vous pouvez cliquer plusieurs fois sur le bouton "Surround" jusqu'à ce que le contour extérieur soit à l'endroit où vous souhaitez graver.



Étape 5 Démarrer et arrêter la gravure ou la découpe



Démarrage

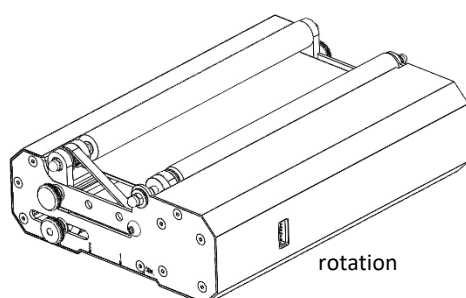


Arrêtez

Guide d'utilisation-Assembler le rotatif

Étape 1 Connexion à la machine de gravure

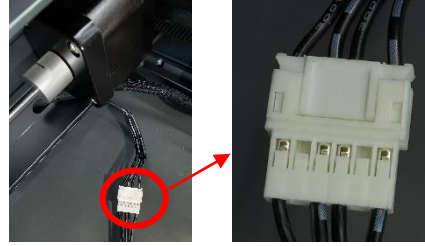
1. Attachez la rotation à la machine à graver.



Câbles



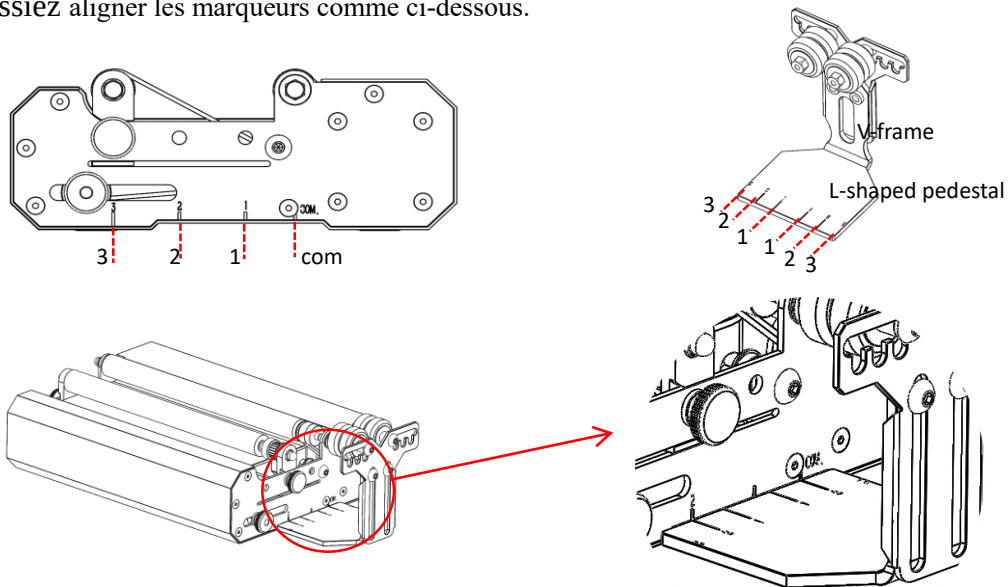
Connecté à la rotation



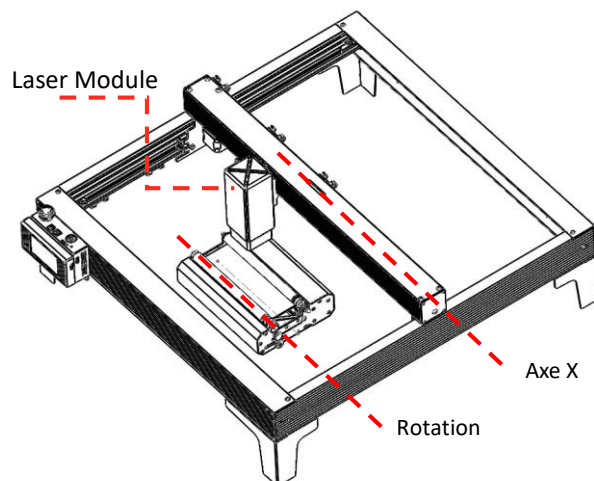
Connecté au moteur de l'axe Y

Étape 2 Régler le rapport de distance

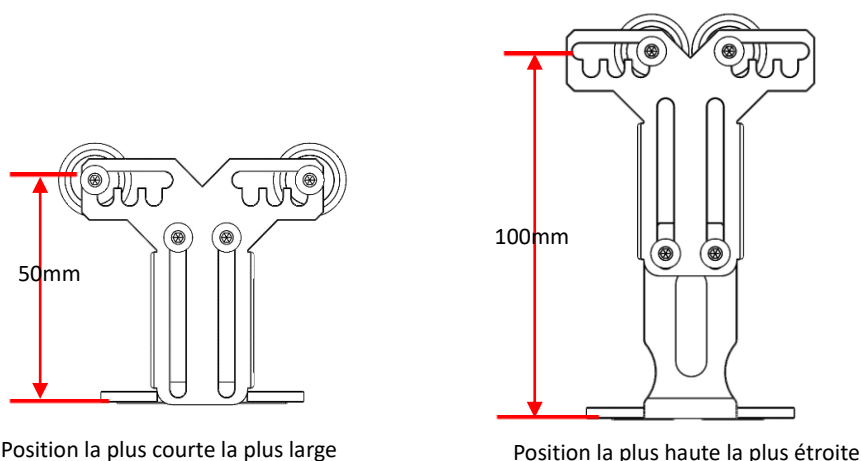
1. La rotation a 3 trous filetés qui peuvent être ajustés pour correspondre à des objets de différentes tailles, et la gravure peut être ajustée pour correspondre à des objets.
2. Y avait 3 marques d'échelle sur le panneau latéral du rotor et 3 marques d'échelle sur la base en L du cadre en V. Placez la base en L près de la rotation afin que vous puissiez aligner les marqueurs comme ci-dessous.



Étape 3 Maintenir la rotation parallèle à l'axe X

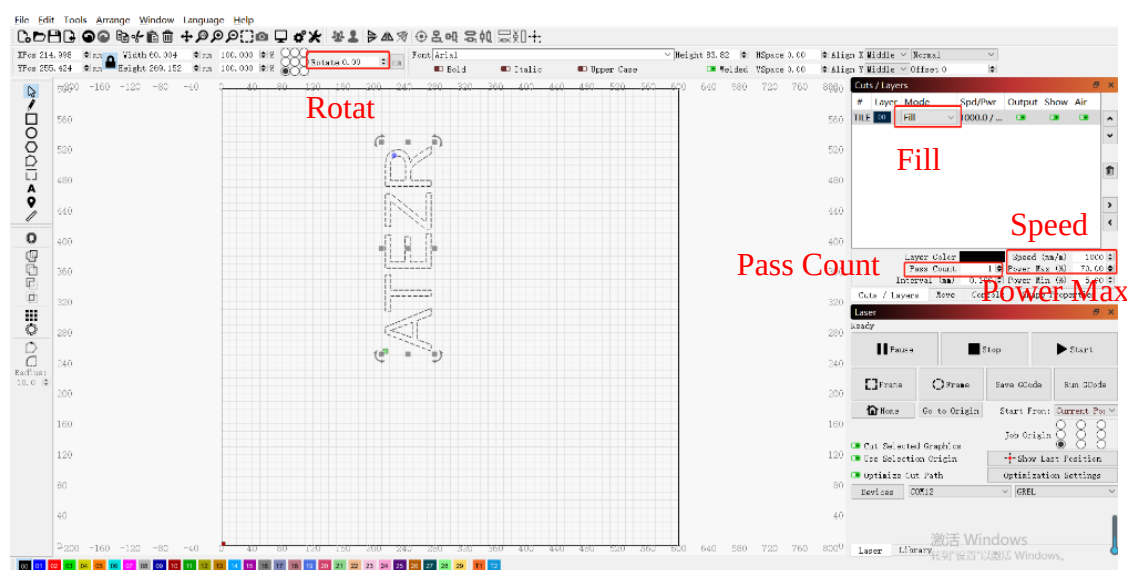


Étape 4 Ajuster la base en L et le cadre en V



Étape 5 Définir les paramètres dans LightBurn

1. Roller V cadre hauteur 50mm-100mm réglable, réglable pour correspondre à la gravure d'objets de différentes hauteurs. Le cadre en V a 5 trous réglables, qui peuvent être ajustés en fonction de la taille de l'objet et ajustés à différentes largeurs pour la gravure.



Opérations de l'application--Gravure hors ligne

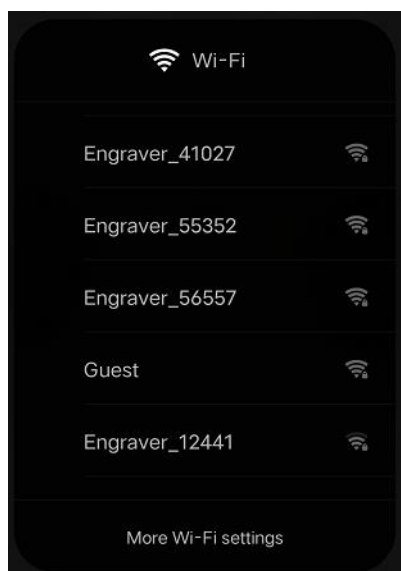
Étape 1 Télécharger l'application ATEZR LASER

1. Accédez à l'APP store et recherchez ATEZR LASER pour télécharger l'application.
2. Terminez l'installation et accédez à l'application.

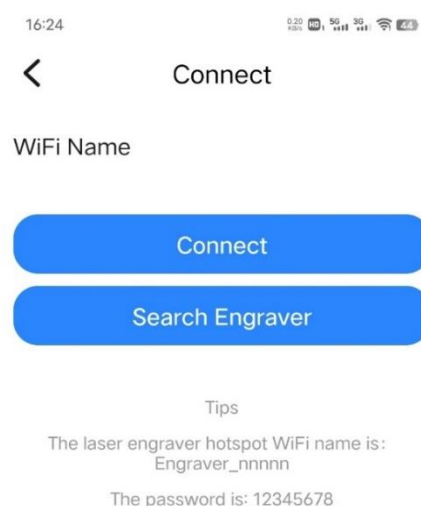


Étape 2 Connexion à la machine de gravure

1. Allumez votre WLAN, sélectionnez le nom Wifi de votre/vos graveur(s) Engraver_xxx), et entrez votre mot de passe. Le mot de passe de votre graveur Wi-Fi est : 12345678

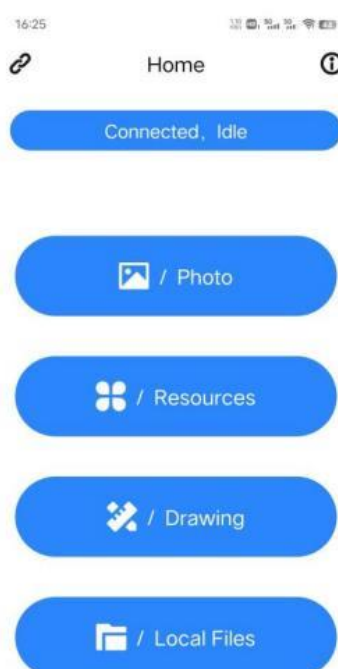


2. Accédez à la page de connexion APP WiFi et appuyez sur le bouton de gravure de recherche pour vous connecter

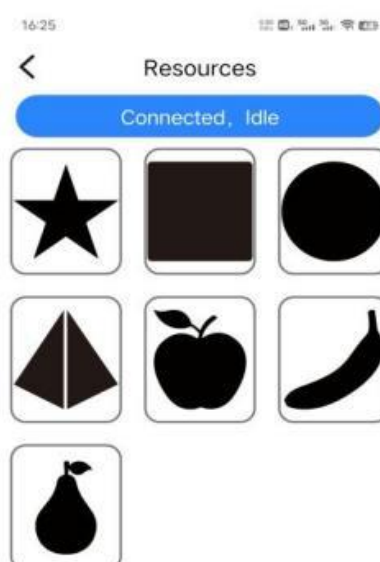


Étape 3 Choisir une ressource pour la gravure

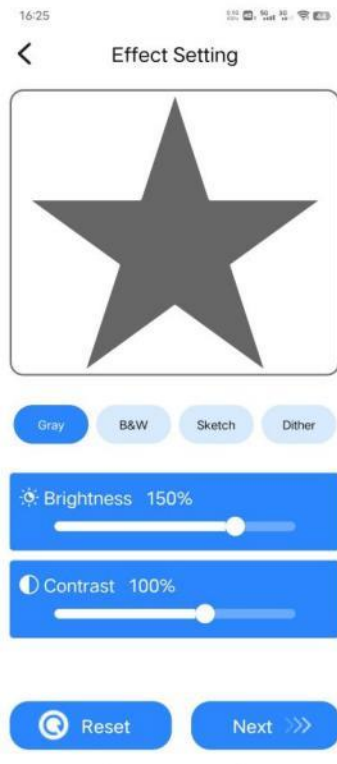
3. Sélectionnez une ressource.



4. Sélectionnez une image (comme une étoile).



5. Réglez la luminosité et le contraste, puis appuyez sur Suivant.



7. Une notification apparaîtra une fois le fichier téléchargé avec.



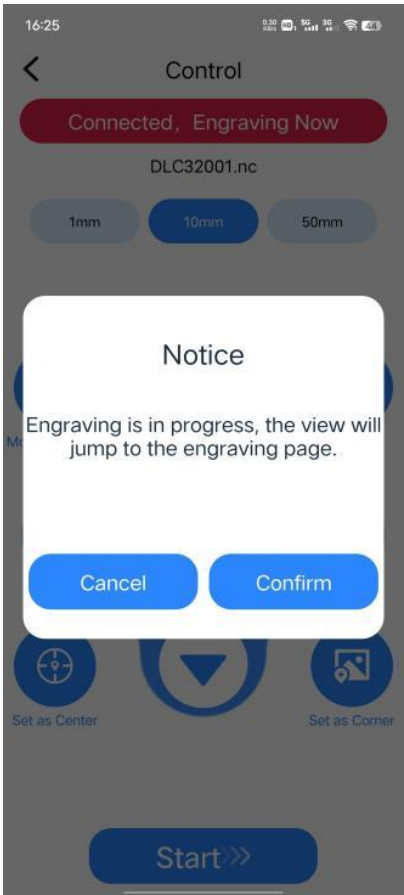
6. Définissez le nom, la taille, la vitesse, la puissance Reportez-vous à la table des paramètres et cliquez sur Suivant.



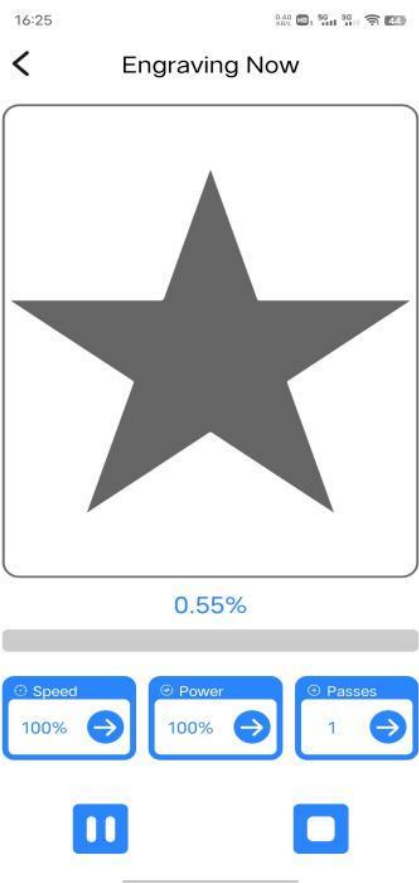
8. Accédez à la page de contrôle, cliquez sur le bouton Cadre pour tester la zone adaptée à la gravure, puis cliquez sur Démarrer.



9. Cliquez sur le bouton Confirmer pour démarrer la gravure (si vous cliquez sur Annuler, la machine cessera de fonctionner).



10. Lorsque vous accédez à la page de gravure, n'hésitez pas à ajuster la vitesse, le pourcentage de puissance et le temps de gravure.



Réglages recommandés pour les matériaux

La liste des paramètres ne concerne que les matériaux les plus utilisés. Les clients peuvent avoir besoin d'essayer d'autres matériaux inhabituels par eux-mêmes, Nous continuerons à télécharger nos rapports de test sur différents types de matériaux à l'avenir. L'autre, Si le client souhaite un effet de gravure différent, veuillez vous référer au tableau des paramètres pour ajuster les paramètres de manière appropriée dans Lightburn.

Atezr-5W (puissance laser 5W)

	Matériaux	Épaisseur (mm)	Puissance (%)	Vitesse (mm/min)	Nombre
Couper	Contreplaqué	3	80	150	1
	Bois de paulownia	5	80	150	1
	Bois de paulownia	6	80	150	10
	Pin	5	80	60	1

	Pin	5.5	80	150	3
	Bambou	2	80	250	1
	Acrylique	3	80	50	1
	Acrylique	8	80	50	10
	Papier kraft	0.2	80	3500	1
	Cuir artificiel	2	100	100	1

	Matériaux	Interv alle de ligne	Puissanc e (%)	Vitesse (mm/min)	Nombre
	Contreplaqué	0.1	60	3000	1
	Bambou	0.1	50	3000	1
	Plaques de densité	0.1	25	3000	1
	ETUI	0.1	30	3000	1
	Papier kraft	0.1	28	3000	1
	Papier à l'huile	0.1	10	1000	1
	Cuir	0.1	20	3000	1
	Caoutchouc	0.1	70	1000	1
	Résine	0.1	40	1000	1
	Denim	0.1	20	3000	1
	Plaque de mousse haute densité	0.1	30	3000	1
	Version bicolore	0.1	30	3000	1
	Cartes de circuits imprimés	0.1	80	600	1
	Acrylique	0.1	50	3000	1
	Produits en matières plastiques	0.1	20	1000	1
	Céramique (noircie)	0.08	80	1000	1
	Céramique Carreaux (noircis)	0.08	80	1000	1
	Cailloux	0.1	80	1000	1
	Rock	0.1	70	1000	1
	Os de bovin artificiel	0.1	70	700	1
	Réroviseurs	0.08	40	3000	1
	Verre (noircissant)	0.065	80	400	1
	Alumine revêue	0.05	80	100	1
	Miroir en acier Inoxydable Acier (noirci)	0.08	80	100	1
	Acier inoxydable Brossé Acier	0.08	80	100	1

Atezz-10W (puissance laser 10W)

	Matériaux	Épaisseur (mm)	Puissance (%)	Vitesse (mm/min)	Nombre
Couper	Contreplaqué	5	80	150	1
	Bois de paulownia	7	80	150	1
	Bois de paulownia	8	80	700	8
	Pin	5	80	100	1
	Pin	7	80	300	8
	Bambou	2	80	400	1
	Acrylique	4	80	100	1
	Acrylique	10	80	100	5
	Cuir artificiel	2	80	100	1
	Papier kraft	0.2	80	3500	1

	Matériaux	Intervalle de ligne	Puissance (%)	Vitesse (mm/min)	Nombre
Gravure	Contreplaqué	0.1	25	3000	1
	Bambou	0.1	30	3000	1
	Plaques de densité	0.1	20	3000	1
	ETUI	0.1	30	3000	1
	Papier kraft	0.1	20	3000	1
	Papier à l'huile	0.1	30	3000	1
	Cuir	0.1	20	3000	1
	Caoutchouc	0.1	50	2000	1
	Résine	0.1	40	2000	1
	Denim	0.1	20	2000	1
	Plaque de mousse haute densité	0.1	25	3000	1
	Version bicolore	0.1	20	3000	1
	Cartes de circuits imprimés	0.1	70	2000	1
	Acrylique	0.1	25	3000	1
	Produits en matières plastiques	0.1	20	3000	1
	Céramique (noircie)	0.08	70	400	1
	Céramique Carreaux (noircis)	0.08	80	300	1
	Cailloux	0.1	60	1000	1
	Rock	0.1	70	1000	1
	Os de bovin artificiel	0.1	50	1000	1
	Réroviseurs	0.08	20	3000	1

	Verre (noircissant)	0.065	70	1000	1
	Alumine revêue	0.05	80	500	1
	Miroir en acier Inoxydable Acier (noirci)	0.08	80	100	1
	Acier inoxydable Brossé Acier	0.08	80	300	1
	Fer Feuille (noircie)	0.08	100	200	1

Atezr-20W (puissance laser 20W)

Couper	Matériaux	Épaisseur (mm)	Puissance (%)	Vitesse (mm/min)	Nombre
	Contreplaqué	8	100	200	1
	Contreplaqué	10	75	600	6
	Bois de paulownia	12	100	260	1
	Bois de paulownia	18	100	400	6
	Pin	9	100	130	1
	Pin	14	80	280	10
	Bambou	5	100	400	1
	Acrylique	5	100	100	1
	Acrylique	15	65	100	10
	Cuir artificiel	2	80	300	1
	Papier kraft	0.2	80	3000	1
	Plaques de densité	4.5	100	160	1
	Plaques de densité	8	100	400	4
	Tôles en acier inoxydable	0.05	80	500	1

Gravure	Matériaux	Intervalle de ligne	Puissance (%)	Vitesse (mm/min)	Nombre
	Contreplaqué	0.1	20	3000	1
	Bambou	0.1	30	3000	1
	Plaques de densité	0.1	20	3000	1
	ETUI	0.1	15	3000	1
	Papier kraft	0.1	15	3000	1
	Papier à l'huile	0.1	25	3000	1
	Cuir	0.1	20	3000	1
	Caoutchouc	0.1	50	3000	1
	Résine	0.1	13	1000	1
	Denim	0.1	20	3000	1

	Plaque de mousse haute densité	0.1	15	3000	1
	Version bicolore	0.1	12	3000	1
	Cartes de circuits imprimés	0.1	60	2000	1
	Acrylique	0.1	50	3000	1
	Produits en matières plastiques	0.1	20	3000	1
	Céramique (Noircissement)	0.08	80	1000	1
	Carreaux	0.08	80	1000	1
	Cailloux	0.1	60	3000	1
	Rock	0.1	60	3000	1
	Agate artificielle	0.1	100	100	1
	Os de bovin artificiel	0.1	30	1000	1
	Rétroviseurs	0.08	30	3000	1
	Verre (noircissant)	0.065	50	1000	1
	Alumine revêue	0.05	80	500	1
	Miroir en acier Inoxydable Acier (noirci)	0.08	80	600	1
	Acier inoxydable Brossé Acier	0.08	80	1000	1
	Fer Feuille (noircie)	0.08	80	500	1

Atezr-35W (puissance laser 35W)

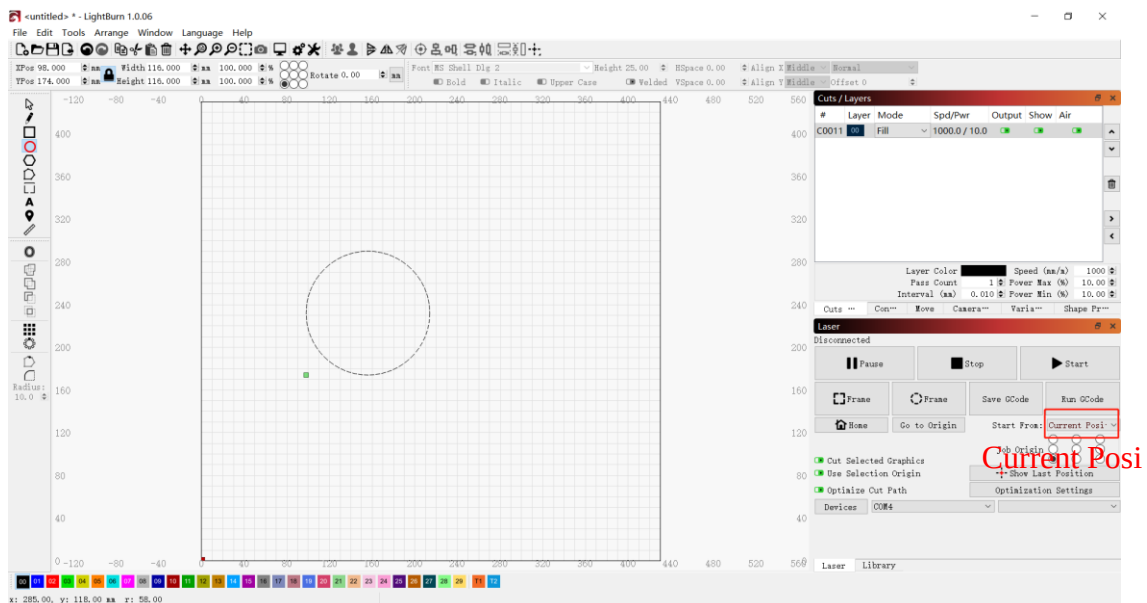
D écoupe	Matériaux	Épaisseur (mm)	Puissance (%)	Vitesse (mm/min)	Nombre
	Bois de tilleul	14	80%	600	9
	Pin	15	80%	600	10
	Bois de paulownia	20	70%	750	9
	Bois de paulownia	14	80%	200	1
	Liège	15	100%	500	1
	Bambou	5	80%	400	1
	Cuir	5	60%	1000	5
	Papier kraft	0.6	80%	2000	1
	Acrylique	20	80%	100	10
	Acrylique	5	80%	100	1
	MDF	8	80%	1000	7
	MDF	5	80%	350	1

	Tôles en acier inoxydable	0.05	60%	1000	1
	Mousse EVA	8	80%	1500	1
	Papier de riz gluant	0.5	80%	300	1
	Cloisons sèches	15	80%	100	1
Gravure	Matériaux	Épaisseur (mm)	Puissance (%)	Vitesse (mm/min)	Nombre
	Bois de tilleul	0.1	6000	20%	1
	Pêche jaune	0.1	7000	15%	1
	Pin	0.1	5000	20%	1
	Bois de paulownia	0.1	7000	45%	1
	Bambou	0.1	7000	50%	1
	Cuir	0.1	6000	20%	1
	Denim	0.1	3000	20%	1
	Céramique	0.05	1000	80%	1
	Carreaux	0.1	2200	80%	1
	Alumine	0.01	1000	60%	1
	Verre	0.1	1500	50%	1
	Acrylique	0.1	6000	50%	1
	Acrylique translucide	0.1	6000	13%	1
	Plaque bicolore	0.1	5000	12%	1
	En matières plastiques	0.1	6000	20%	1
	Résine	0.1	1500	13%	1
	Plaque de mousse haute densité	0.1	5000	9%	1
	Caoutchouc	0.1	5000	50%	1
	Papier kraft	0.1	7000	15%	1
	Papier de bureau	0.125	3000	13%	1
	ETUI	0.1	3000	15%	1
	MDF	0.085	6000	20%	1
	Miroir	0.08	7000	30%	1
	Rock	0.1	6000	60%	1
	Crystal stone	0.1	2000	25%	1
	Cartes de circuits imprimés	0.1	4000	55%	1
	Miroir en acier inoxydable	0.1	2000	60%	1
	Acier inoxydable brossé	0.08	1500	80%	1
	Fer galvanisé	0.1	200	80%	1

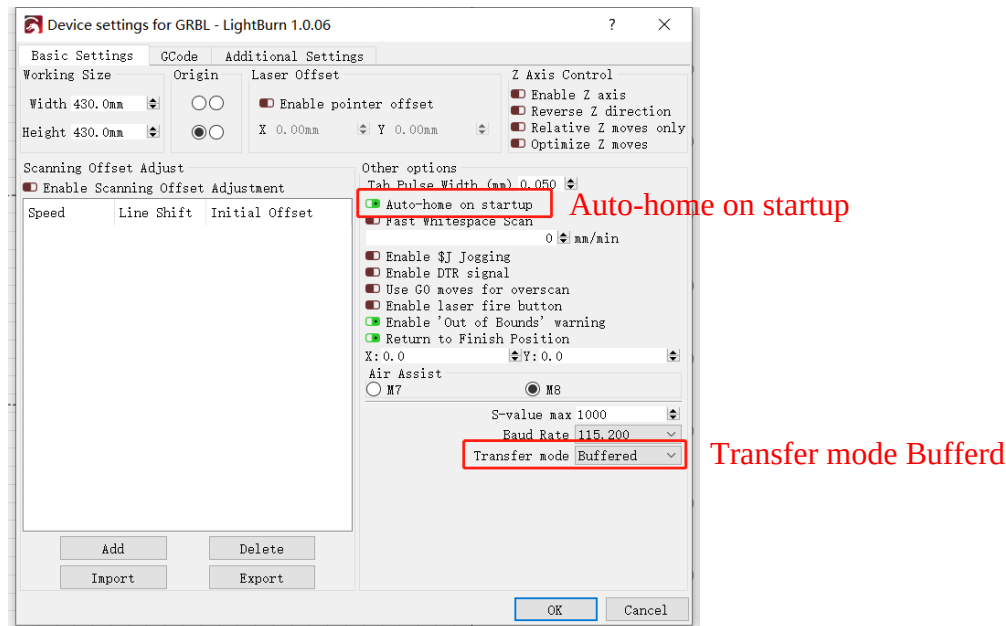
	Tin	0.1	500	80%	1
	Brass	0.1	1000	80%	1
	Polycarbonate transparent	0.1	7000	15%	1
	Clés (alliage chrome-vanadium)	0.1	500	80%	1
	Cailloux	0.1	6000	60%	1

Précautions

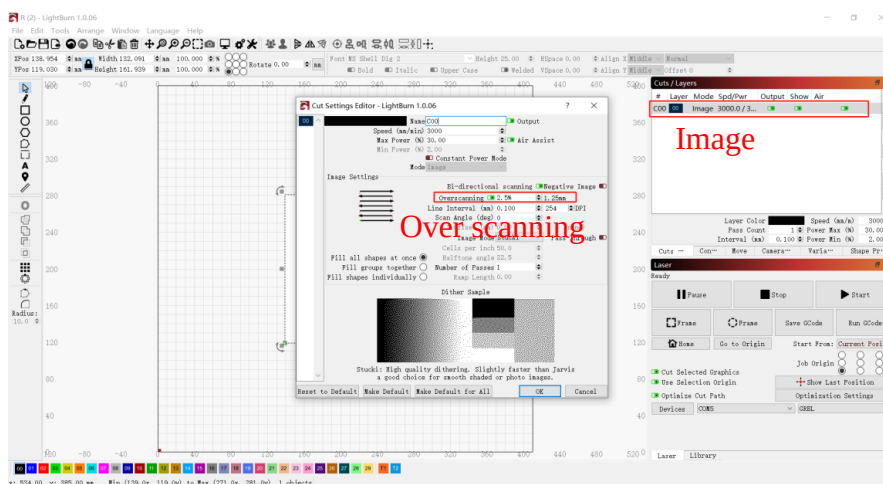
1. Veuillez sélectionner le logiciel et le périphérique de connexion du port COM correct. Le débit en bauds doit être sélectionné: 115200 pour vous assurer que le port de l'ordinateur n'est pas desserré avec le câble USB.
2. Veuillez confirmer que chaque mécanisme est desserré avant de graver (courroie de distribution, colonne excentrique à rouleaux, module laser desserré ou tremblant).
3. Ajustez correctement la distance focale et assurez-vous que la distance entre l'extrémité du couvercle de protection laser et le lieu de gravure est une épaisseur de film focal fixe.
4. Le logiciel LightBurn peut être utilisé pour la gravure et la découpe de différents matériaux en se référant au tableau des paramètres dans le manuel correspondant. La gravure laser 5W du métal miroir nécessite un noircissement manuel de la surface.
5. Dans le fichier de configuration, la position de départ est définie par défaut sur la position actuelle.



6. Le mode de transfert est défini par défaut sur la mise en mémoire tampon. Ne changez pas le mode de transfert.

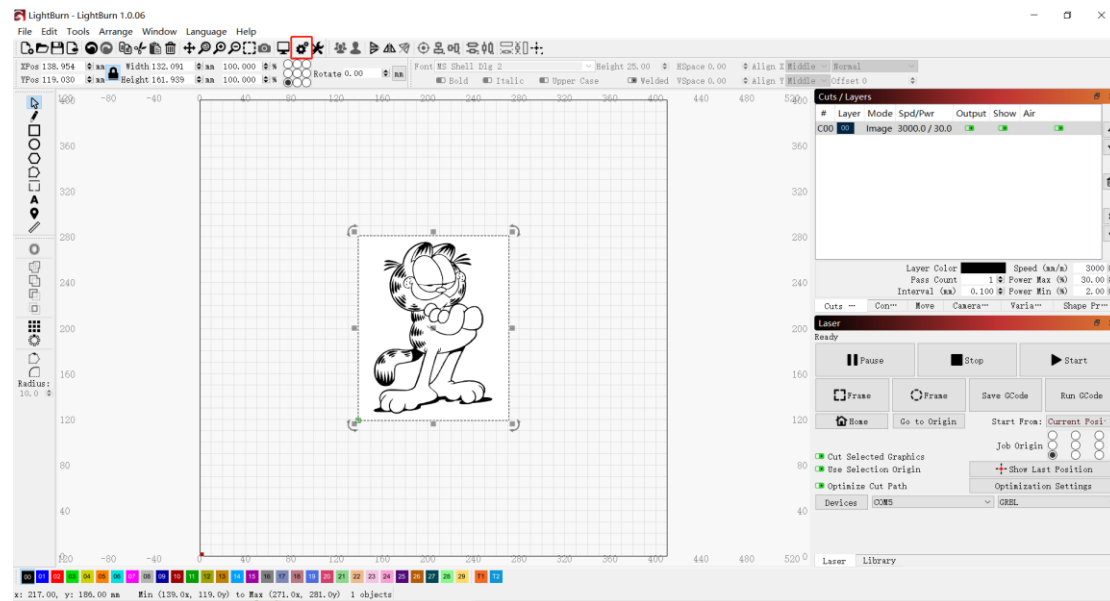


7. Activez le balayage dans les paramètres du calque pour éviter que les bords ne soient noircis.

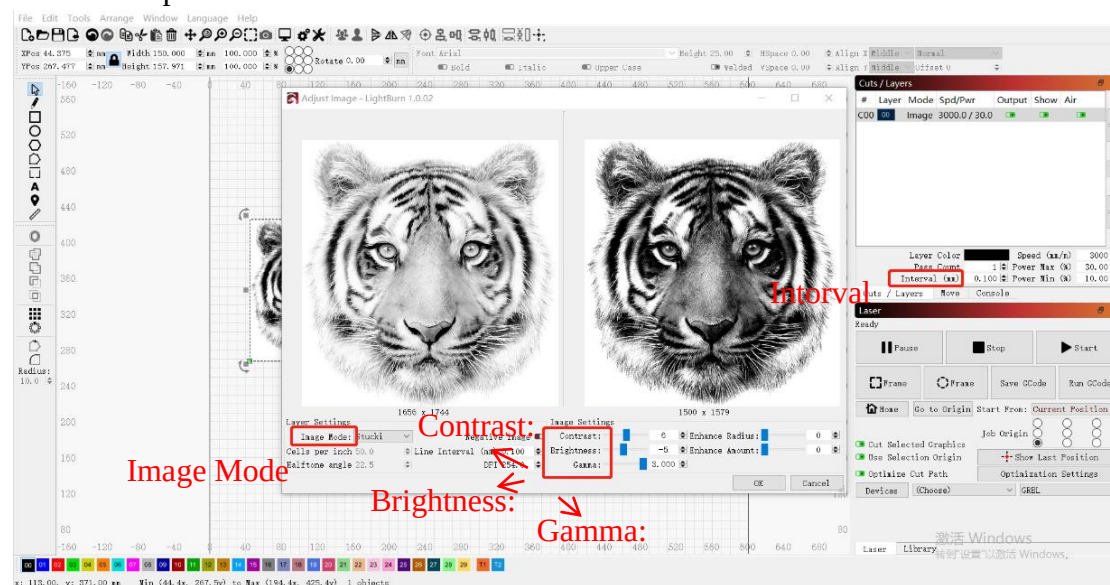


8. Basculez entre le logiciel Laser GRBL et le logiciel LightBurn sans couper l'alimentation de la machine, il suffit d'éteindre le logiciel actuel et d'ouvrir un autre logiciel pour ouvrir le port série correspondant.

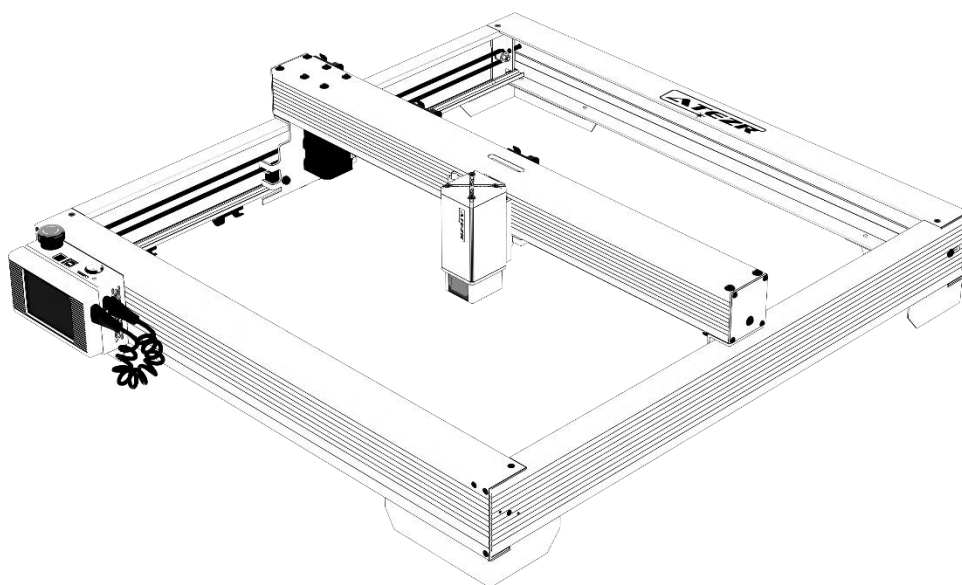
9. Lorsque vous utilisez le logiciel LightBurn pour la première fois, vous devez définir l'unité de vitesse en vous référant à notre tableau de paramètres.



10. Lors de la gravure, vous devez choisir le mode de gravure et le correspondant Paramètres pour obtenir l'effet souhaité



Guida utente di Atezr



- ☒ English
- ☒ Deutsche
- ☒ Français
- ☒ Italiano
- ☒ Español



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Disclaimer

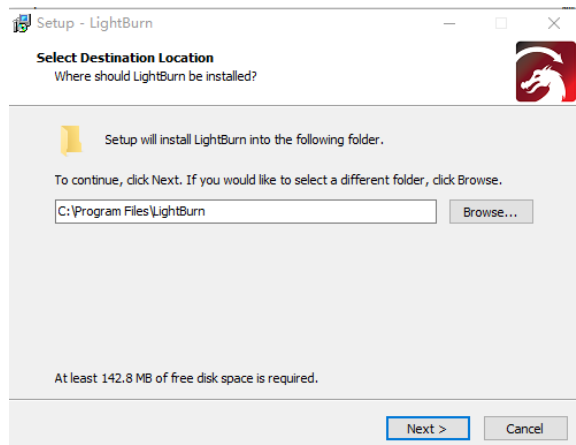
Se è necessario controllare Atezzr tramite LightBurn, scaricare la versione ufficiale del software LightBurn. LightBurn è un software di terze parti, quindi il servizio Atezzr non è responsabile per eventuali perdite causate dal funzionamento di LightBurn. Firmware di Atezzr è stato accuratamente testato da Atezzr e possono ancora verificarsi incompatibilità con software o hardware. In caso di errori dovuti a incompatibilità, è possibile contattare il nostro servizio clienti per assistenza tecnica. atezzr@service.com

Acquisizione e installazione di LightBurn

1. Scarica il file dal sito Web LightBurn: <https://lightburnsoftware.com/>



2. Fare doppio clic sul pacchetto di installazione per l'installazione e fare clic su "Avanti" nella finestra pop-up.

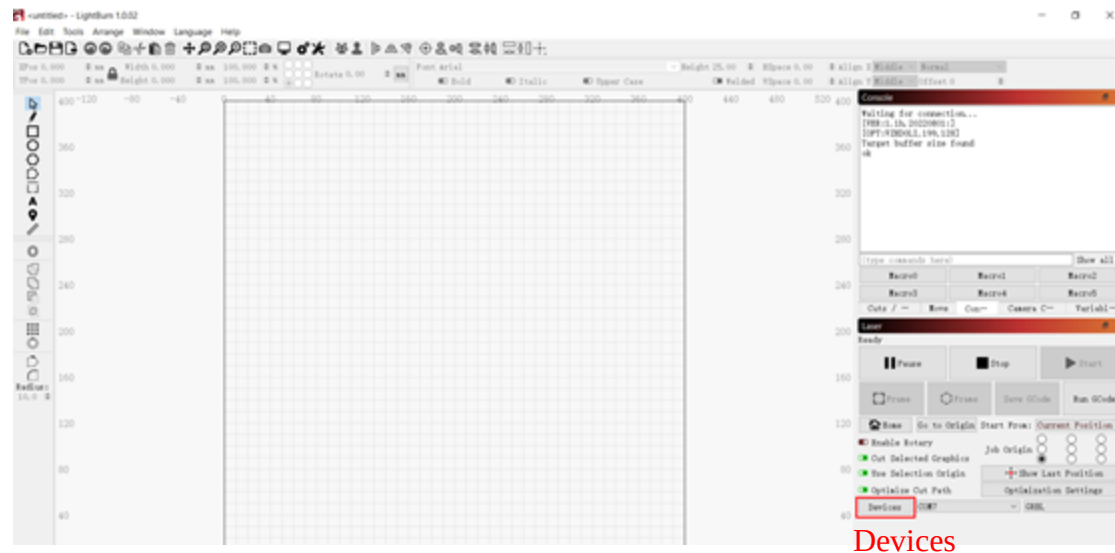


3. Fai clic per iniziare la tua prova gratuita

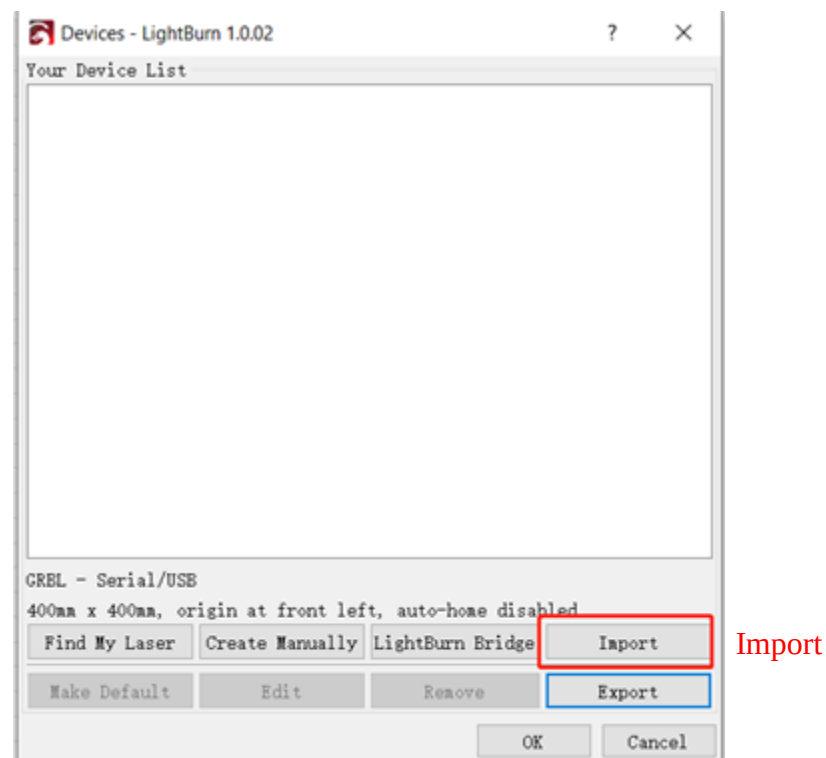


Configurazione di Atezzr su LightBurn

Fase 1 Fare clic sul dispositivo

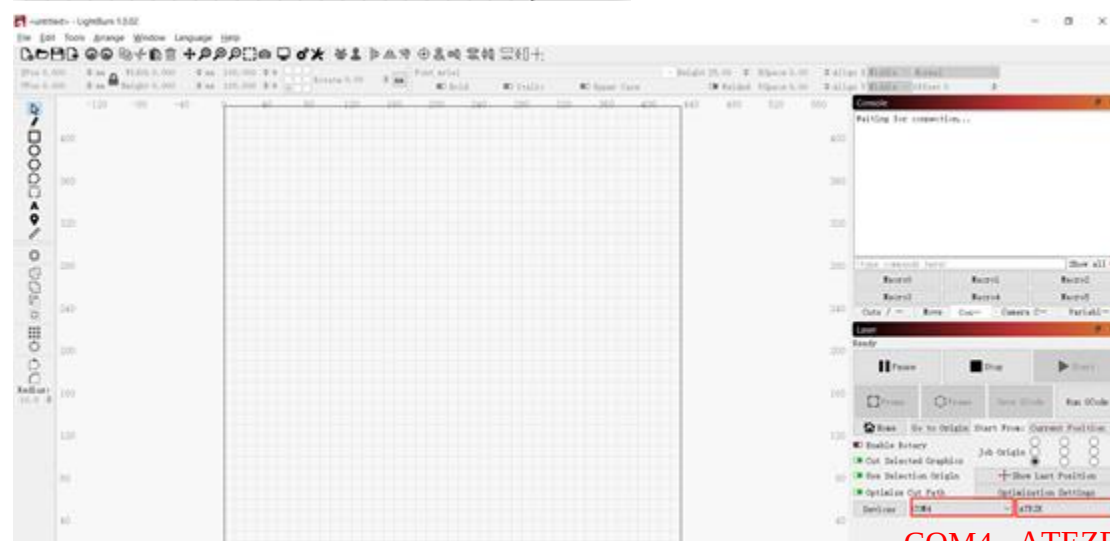
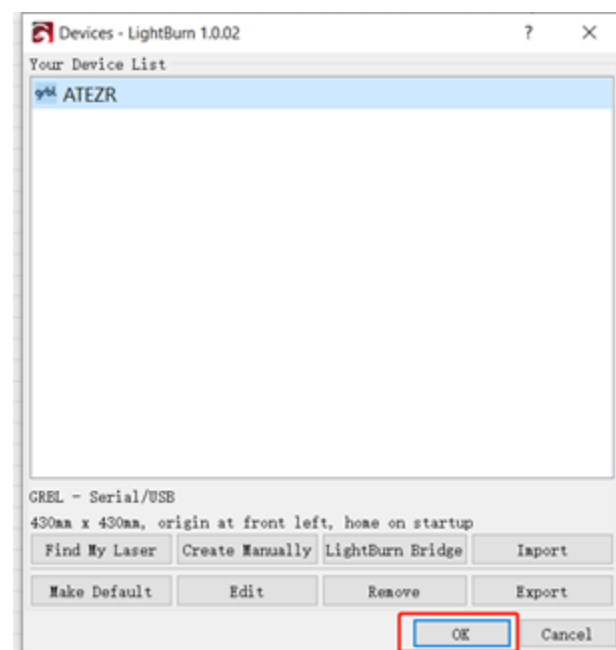
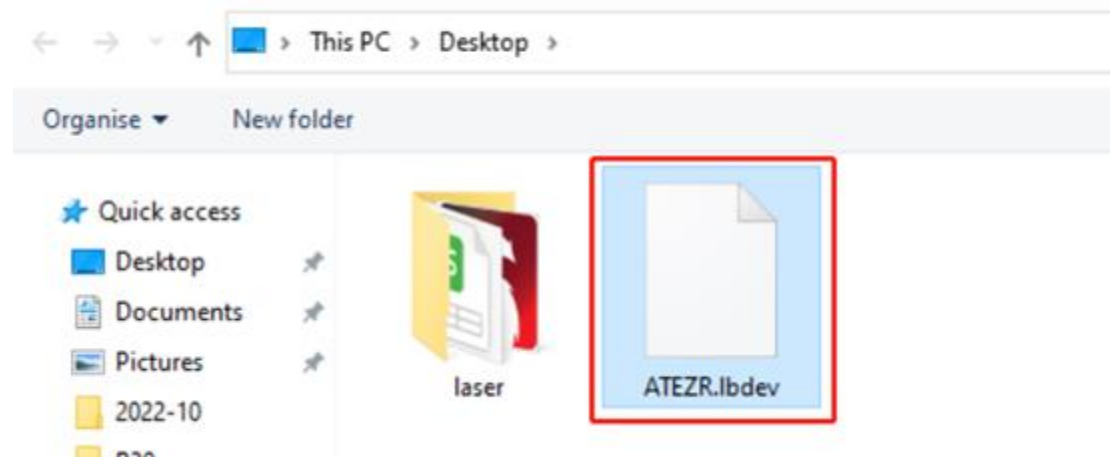


Fase 2 Importa il file Atezzr_Prefs



Il file di configurazione per Lightburn per riconoscere Atezzr è nella scheda TF allegata. Nome file: ATEZR.lbdev

Load Device Profile

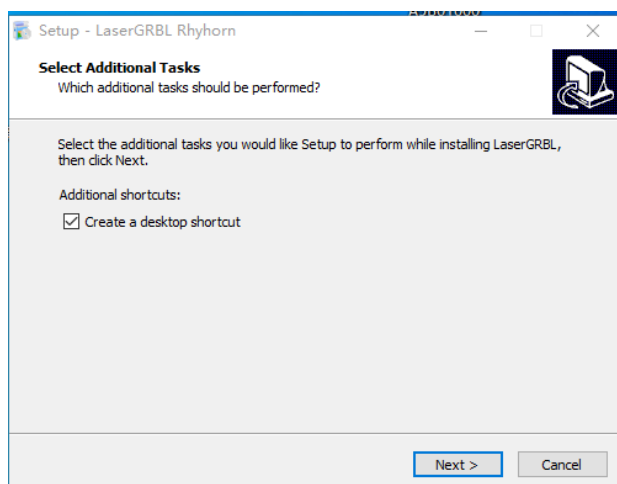


COM4 ATEZR
Selezionare la porta seriale e ATEZR. Se la connessione è OK, la configurazione viene importata correttamente.

Configurazione di Atezzr su LaserGRBL

Fase 1 Scaricare e installare LaserGRBL

1. Scarica il file e installa il software dal sito Web sottostante: [Http://lasergrbl.com/download/](http://lasergrbl.com/download/)



Fase 2 Aggiungere un pulsante personalizzato

1. Aggiungi pulsanti personalizzati al software in base al tuo utilizzo. consigliamo il pulsante ufficiale personalizzato di LaserGRBL. Indirizzo di download pulsante personalizzato: <http://lasergrbl.com/usage/custom-buttons/>. Pulsante personalizzato scaricato è mostrato di seguito Figura2.

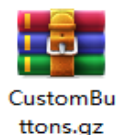


Figura 1: installazione del software

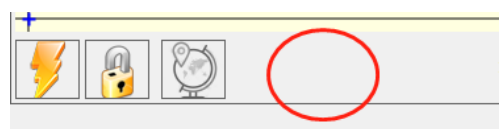


Figura 2: Aggiungi un pulsante personalizzato

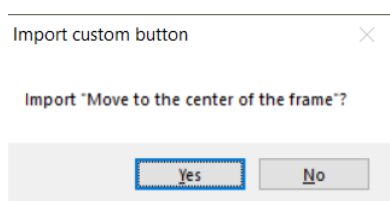


Figura 3: caricamento pulsante personalizzato

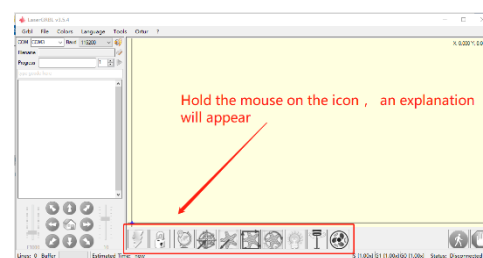
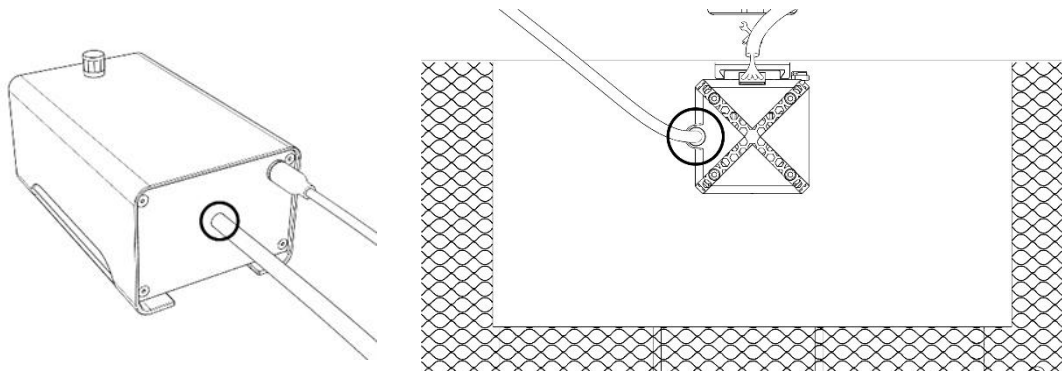


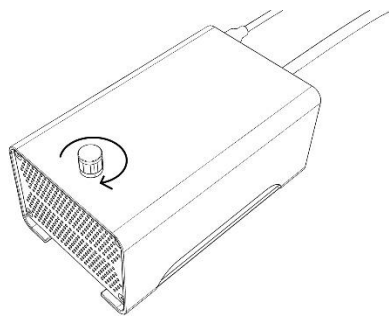
Figura 4: pulsante software

Guida operativa Air Assist Processing

Fase 1 Collegare la provetta al modulo laser

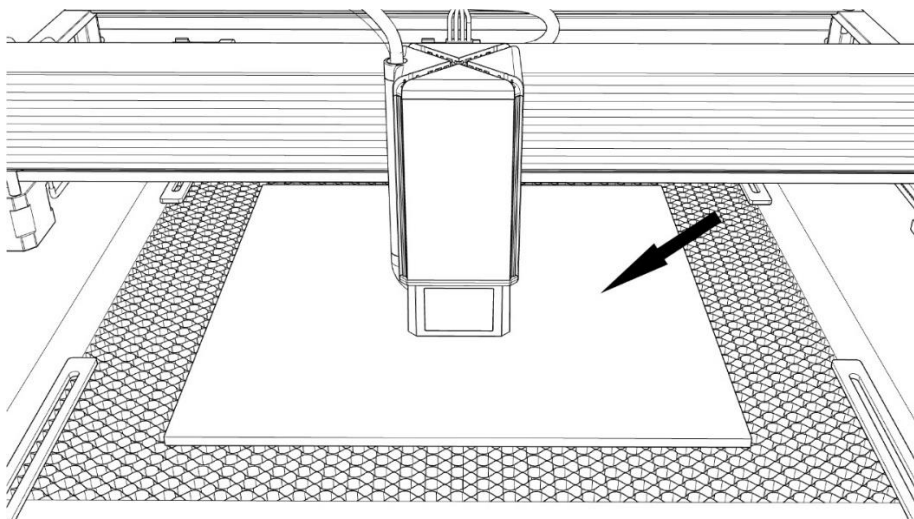


Fase 2 Accendilo o spegnilo con un interruttore rotativo

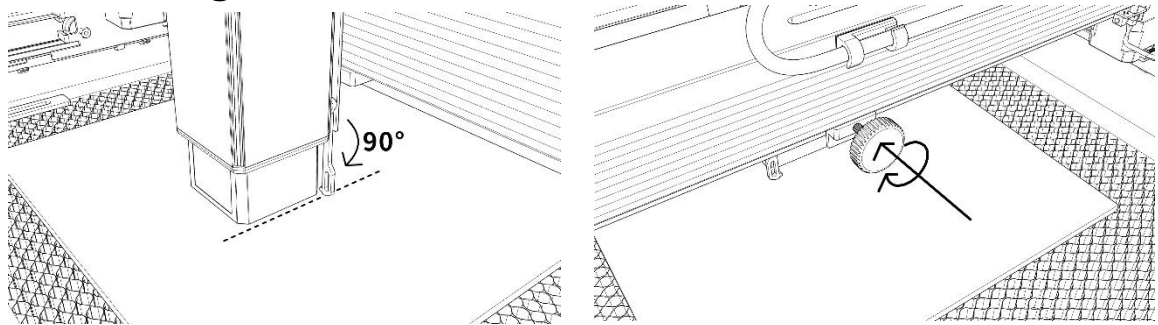


Elaborazione di incisione/taglio con la guida operativa LightBurn

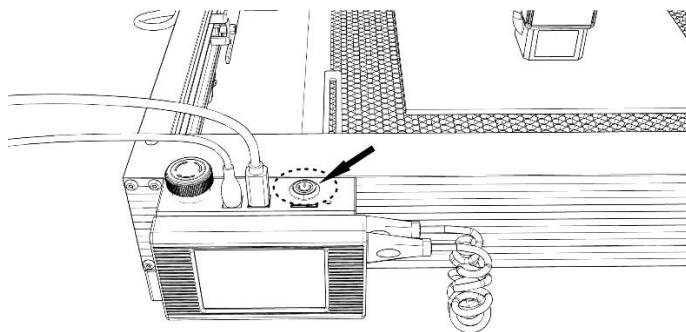
Fase 1 Posizionamento del materiale inciso



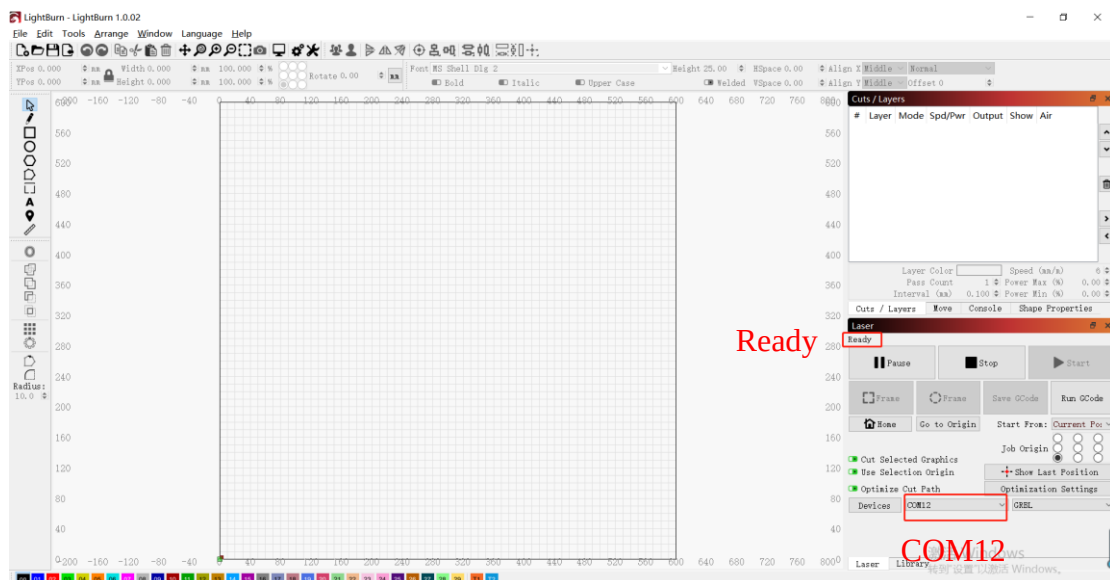
Fase 2 Regolazione della leva di messa a fuoco



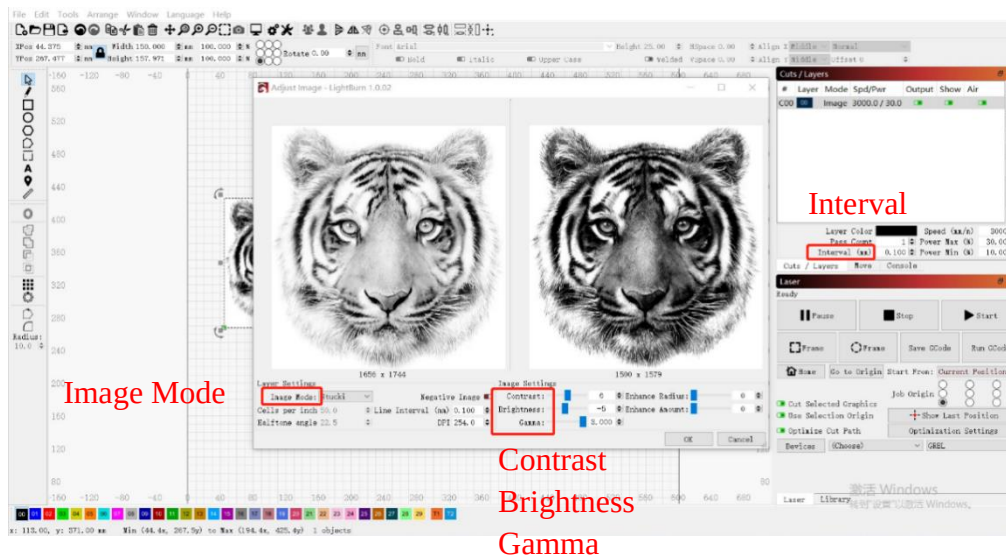
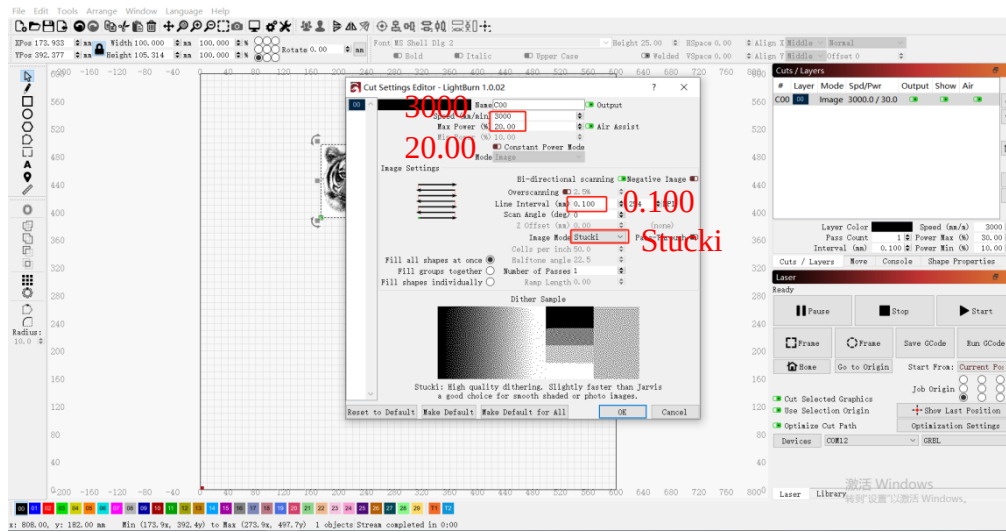
Fase 3 Accendere la macchina



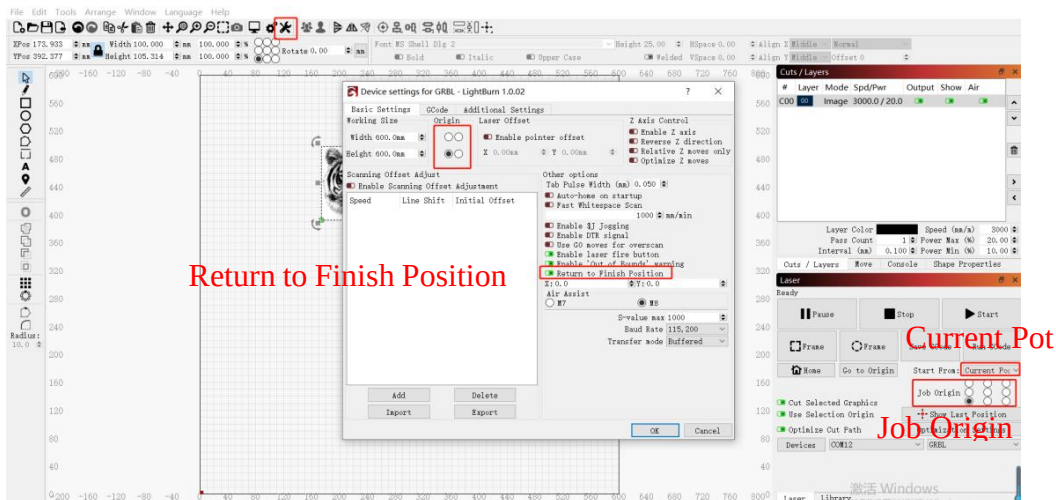
Fase 4 Collegare la macchina al computer



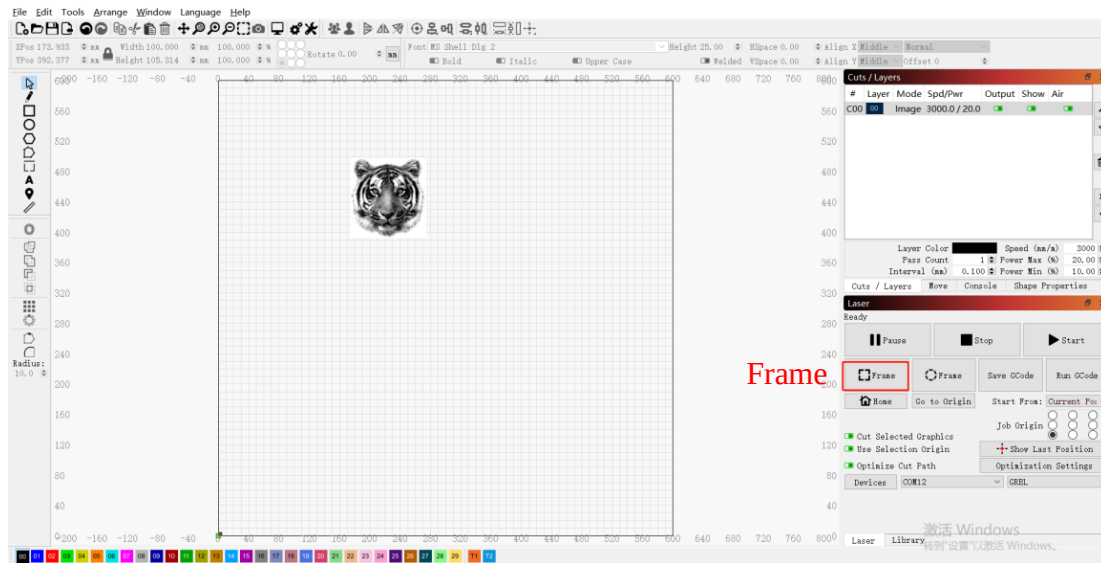
Fase 5 Impostazione dei parametri



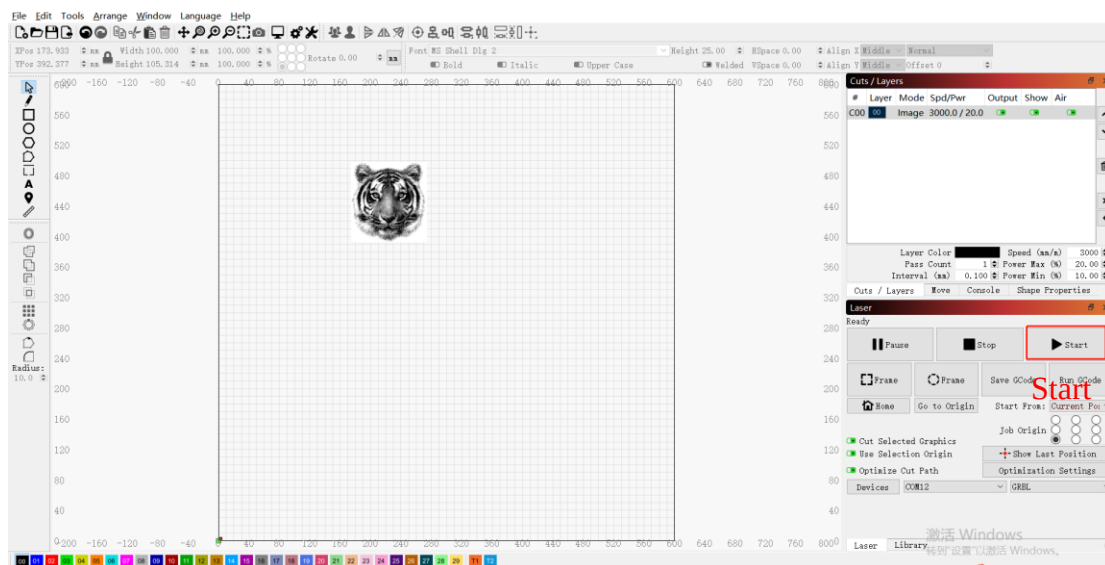
Fase 6 Impostare la posizione di partenza



Fase 7 Fare clic sulla cornice



Fase 8 Fare clic per iniziare

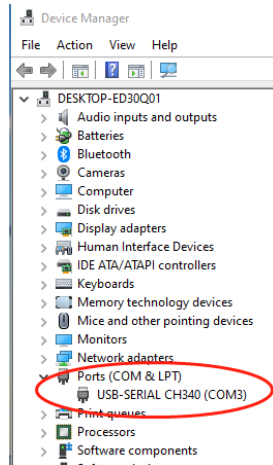


Lavorazione incisione/taglio con LaserGRBL guida operativa

Fase 1 Collegamento alla macchina

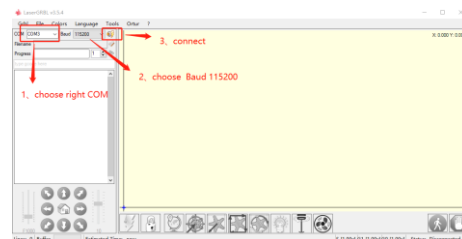
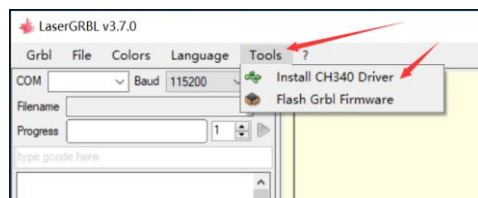
1. Collegare la macchina per incidere al computer con il software LaserGRBL installato.
2. Collegare l'alimentazione della macchina per incidere.
3. Aprire il software LaserGRBL.

4. Selezionare il numero di porta e la velocità di trasmissione corretti nel software-115200 (in generale non è necessario selezionare manualmente la porta COM, ma se si dispone di più dispositivi seriali collegati al computer, è necessario farlo, è possibile trovare la porta della macchina per incisione laser nel Device Manager del sistema Windows o semplicemente provare il numero di porta visualizzato unoper uno).



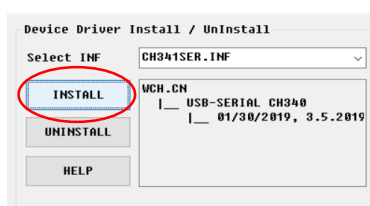
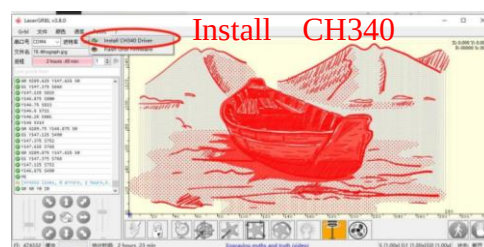
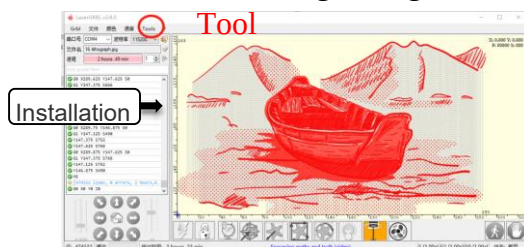
5. Innanzitutto, installare il driver CH340. Nel software LaserGRBL, fare clic su "Strumenti" > "Installa driver CH340" per installare il driver. Al termine dell'installazione, riavviare il computer per connettersi.

6. Fai clic sul logo Lightning Connection nel software. Quando il flag lightning diventa X rosso, la connessione ha esito positivo.



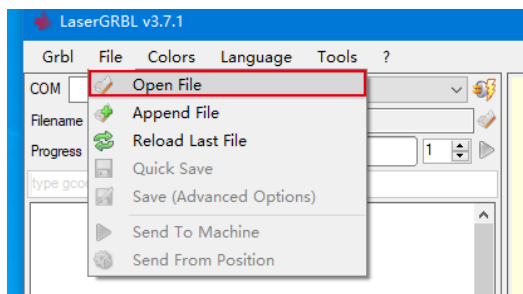
7. Se la connessione tra il computer e la macchina per incidere fallisce, è necessario aggiornare l'unità come segue.

In LaserGRBL, fare clic su "Strumenti" > "Installa driver CH340" per aggiornare il driver di installazione, riavviare il computer dopo l'aggiornamento e connettersi, come mostrato nella figura seguente.

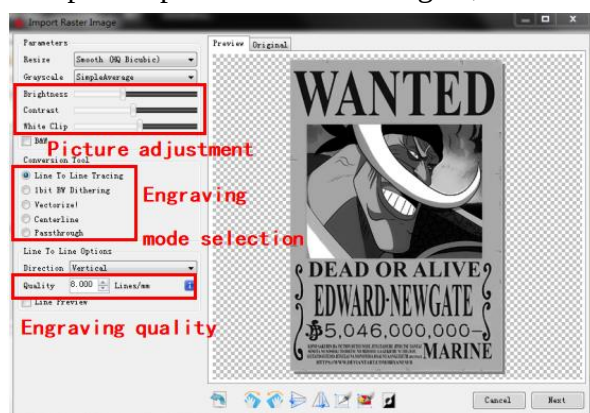


Fase 2 Impostazione dei parametri di incisione

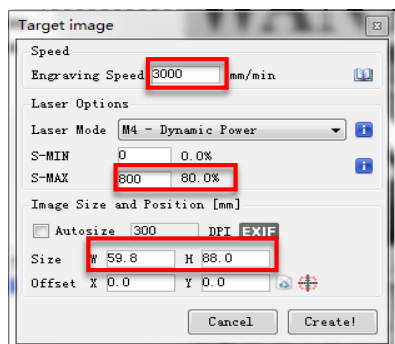
1. Seleziona il file di incisione. Aprire il software LaserGRBL, fare clic su "File" > "Apri file", quindi selezionare la grafica che si desidera scolpire. LaserGRBL supporta NC, BMP, JPG, PNG, DXF e altri formati.



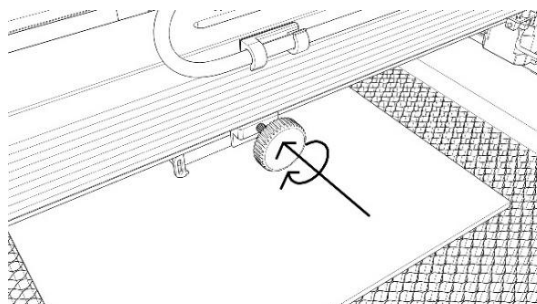
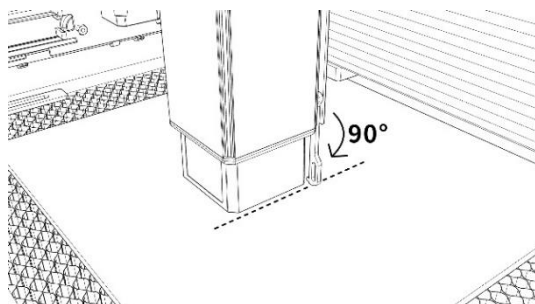
2. Imposta i parametri dell'immagine, la modalità di incisione e la qualità dell'incisione.



3. Imposta velocità di incisione, energia e dimensioni.

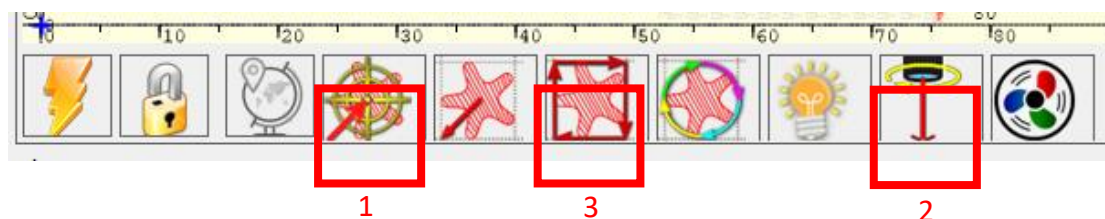


Fase 3 Regolazione della leva di messa a fuoco

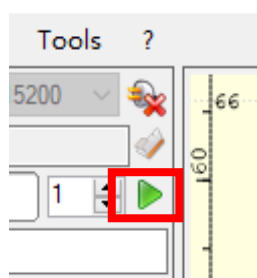


Fase 4 Regolazione della posizione

1. Seleziona il pulsante Sposta al centro e il laser si sposterà al centro del modello.
2. Cliccando sul pulsante "Light Laser", il laser emette una luce debole e il punto di illuminazione emesso dal laser è il centro del motivo inciso, in base al quale viene regolata la posizione dell'oggetto inciso.
3. Fare clic sul pulsante "Scansione contorni" e il laser inizierà a scansionare il contorno esterno del motivo sul computer. È possibile modificare nuovamente la posizione dell'oggetto inciso in base alla posizione del contorno esterno scansionato. Inoltre, è possibile fare clic sul pulsante "avvolgere" più volte fino a quando il contorno esterno è nella posizione in cui si desidera incidere.



Fase 5 Inizia e ferma l'incisione o il taglio



Start

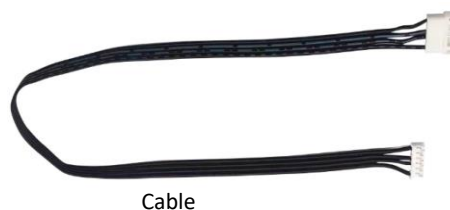
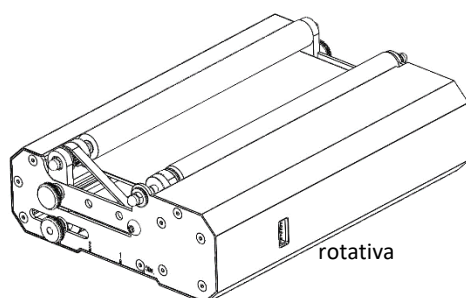


Stop

Guida operativa-Lavorazione rotativa

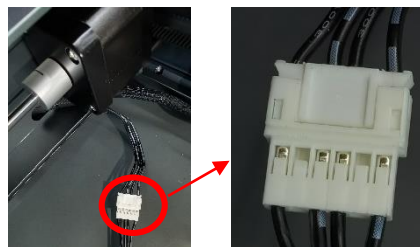
Fase 1 Collegamento alla macchina per incisione

1. Collegare la rotazione alla macchina per incidere.





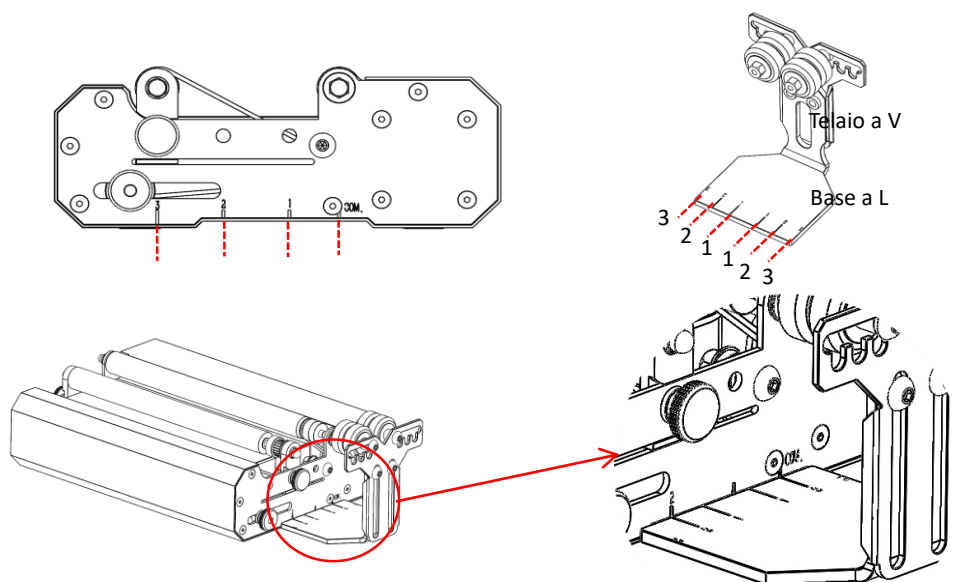
Cavi rotanti Connessione a rotazione



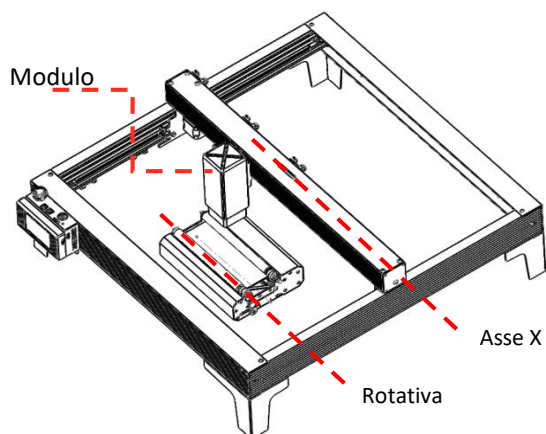
Connessione a motore asse Y

Fase 2 Regolazione della distanza

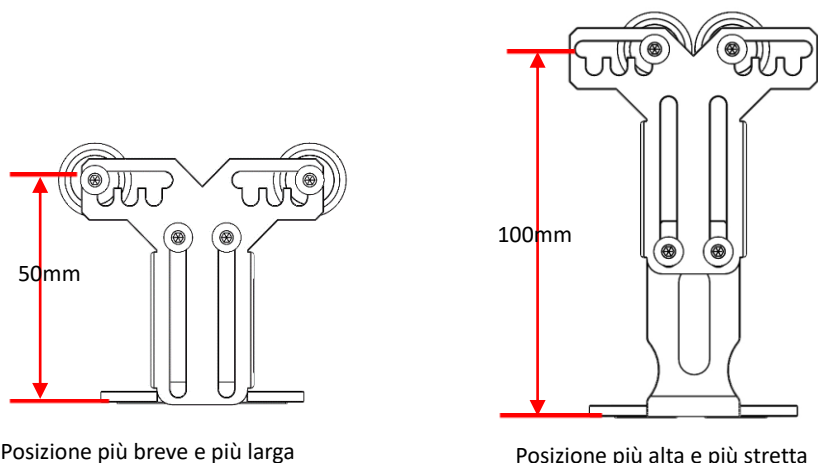
1. La rotazione ha 3 fori filettati che possono essere regolati per abbinare oggetti di diverse dimensioni e l'incisione può essere regolata per abbinare oggetti.
2. 3 segni di scala sul pannello laterale del rotatore e 3 segni di scala sulla base a L del telaio a V. Ruota la base a forma di L vicino.



Fase 3 Mantenere la rotazione parallela all'asse X

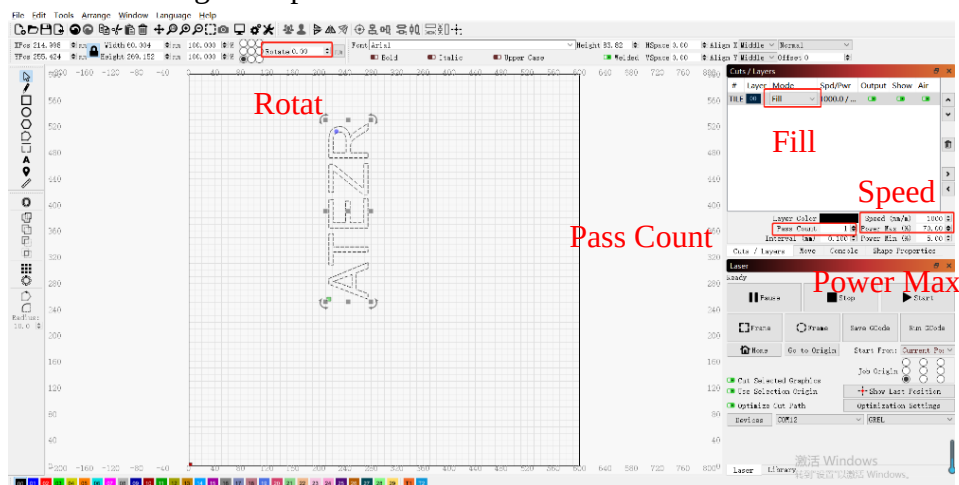


Fase 4 Regolazione della base L e del telaio a V



Fase 5 Impostare i parametri in LightBurn

1. L'altezza del telaio a V del tamburo è regolabile da 50 mm a 100 mm e può essere regolata per adattarsi all'incisione di oggetti di diverse altezze. Telaio a V ha 5 fori regolabili che possono essere regolati in base alle dimensioni dell'oggetto e regolati in diverse larghezze per incidere.



Operazioni APP-Incisione Offline

Fase 1 Scaricare l'applicazione ATEZR LASER

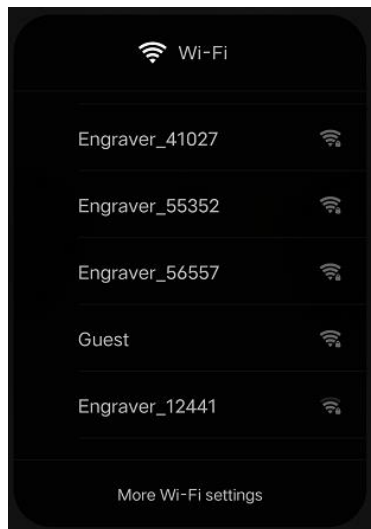
1. Vai al sito APP Store per cercare l'app di download ATEZR LASER.



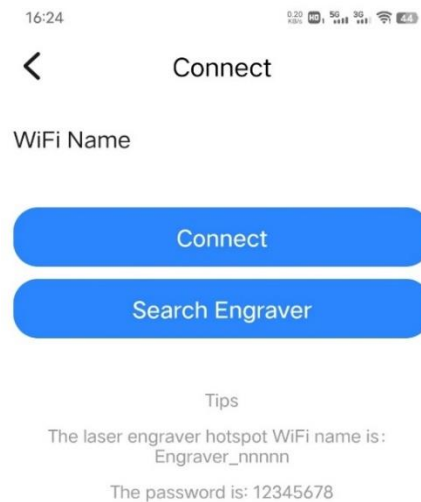
2. Completa l'installazione e accedi all'app.

Fase 2 Collegamento alla macchina per incisione

1. Accendi la tua WLAN, seleziona il nome Wifi del tuo incisore (Engraver_xxx) e inserisci la tua password . La password per il Wi-Fi del tuo incisore è 12345678



2. Vai alla pagina di connessione WiFi dell'applicazione e fai clic su Cerca letterer per connetterti



Fase 3 Selezionare le risorse per l'incisione

3. Seleziona una risorsa.



4. Seleziona un'immagine (ad es. Stelle).



5. Imposta la luminosità e il contrasto e tocca Avanti.



7. Dopo che il file è stato caricato

9. Fare clic sul pulsante di conferma per iniziare l'incisione (se si fa clic su Annulla, la macchina si fermerà a Lavoro).



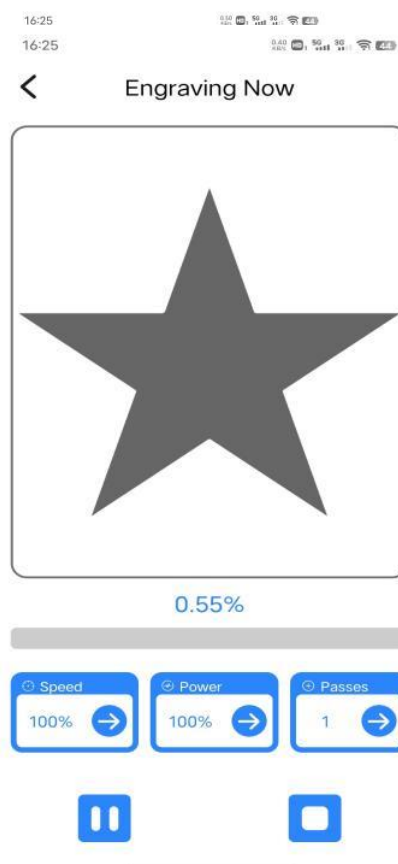
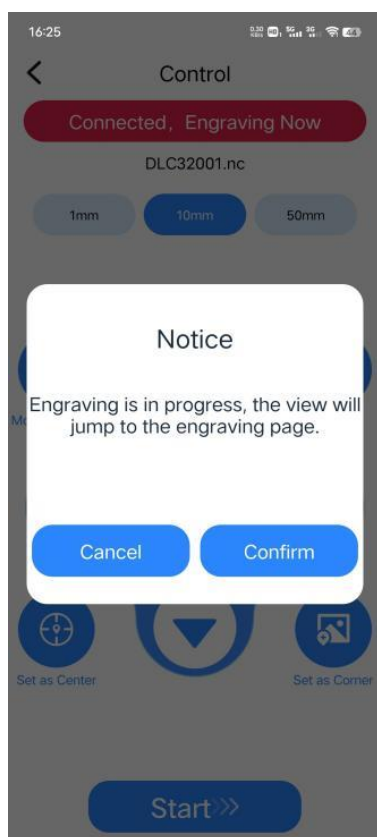
6. Imposta il nome, le dimensioni, la velocità, la tabella dei parametri di riferimento dell'alimentazione e fai clic su Avanti.



8. Vai alla pagina di controllo, fai clic sul pulsante cornice per testare

10. Quando si accede alla pagina di incisione, si prega di regolare la velocità, la percentuale di potenza e il tempo di incisione a piacimento.





Impostazioni consigliate per i materiali

L'elenco dei parametri è solo per i materiali più utilizzati. I clienti potrebbero aver bisogno di provare altri materiali non comuni da soli, continueremo a caricare i nostri rapporti di prova su diversi tipi di materiali in futuro. L'altro, se il cliente desidera un effetto di incisione diverso, si prega di fare riferimento alla tabella dei parametri per regolare i parametri in modo appropriato in Lightburn.

Atezz-5W (potenza laser 5W)

	I materiali	Lo spessore (mm)	La potenza (%)	Velocità (mm/min)	Numero di volte
Tagliare	Legno compensato	3	80	150	1
	Legno di Paulownia	5	80	150	1
	Legno di Paulownia	6	80	150	10
	L'albero di pino	5	80	60	1
	L'albero di pino	5.5	80	150	3
	Bambù	2	80	250	1
	Acilico-Acricico	3	80	50	1

	Acrilico-Acrilico	8	80	50	10
	Su carta véry	0.2	80	3500	1
	Pelle artificiale	2	100	100	1

Incisione	I materiali	Interv allo di linea	La potenza (%)	Velocit à (mm/min)	Numero di volte
	Legno compensato	0.1	60	3000	1
	Bambù	0.1	50	3000	1
	MASCHERA DI DENSITÀ	0.1	25	3000	1
	Scatola di cartone	0.1	30	3000	1
	Su carta véry	0.1	28	3000	1
	Olio su carta	0.1	10	1000	1
	Cuoio e pelli	0.1	20	3000	1
	Gomma e gomma	0.1	70	1000	1
	La resina	0.1	40	1000	1
	Denim	0.1	20	3000	1
	Pannello in schiuma ad alta densità	0.1	30	3000	1
	Versione bicolore	0.1	30	3000	1
	Scheda PCB	0.1	80	600	1
	Acrilico-Acrilico	0.1	50	3000	1
	Prodotti in plastica	0.1	20	1000	1
	Ceramica (annerita)	0.08	80	1000	1
	La ceramica Tessere (annerite)	0.08	80	1000	1
	I ciottoli	0.1	80	1000	1
	La Roccia	0.1	70	1000	1
	Osso di bovino artificiale	0.1	70	700	1
	Specchi retrovisori	0.08	40	3000	1
	Vetro (annerito)	0.065	80	400	1
	Allumina rivestita	0.05	80	100	1
	Specchio in acciaio Inox Acciaio (annerito)	0.08	80	100	1
	Acciaio inossidabile Spazzolato Acciaio e acciaio	0.08	80	100	1

Atezz-10W (laser power of 10W)

Tagliare	I materiali	Lo spessore (mm)	La potenza (%)	Velocità (mm/min)	Numero di volte
	Legno compensato	5	80	150	1
	Legno di Paulownia	7	80	150	1
	Legno di Paulownia	8	80	700	8
	Paulownia	5	80	100	1
	L'albero di pino	7	80	300	8
	L'albero di pino	2	80	400	1
	Bambù	4	80	100	1
	Acilico-Acricico	10	80	100	5
	Acilico-Acricico	2	80	100	1
	Su carta véry	0.2	80	3500	1

Incisione	I materiali	Intervalllo di linea	La potenza (%)	Velocità (mm/min)	Numero di volte
	Legno compensato	0.1	25	3000	1
	Bambù	0.1	30	3000	1
	MASCHERA DI DENSITÀ	0.1	20	3000	1
	Scatola di cartone	0.1	30	3000	1
	Su carta véry	0.1	20	3000	1
	Olio su carta	0.1	30	3000	1
	Cuoio e pelli	0.1	20	3000	1
	Gomma e gomma	0.1	50	2000	1
	La resina	0.1	40	2000	1
	Denim	0.1	20	2000	1
	Pannello in schiuma ad alta densità	0.1	25	3000	1
	Versione bicolore	0.1	20	3000	1
	Scheda PCB	0.1	70	2000	1
	Acilico-Acricico	0.1	25	3000	1
	Prodotti in plastica	0.1	20	3000	1
	Ceramica (annerita)	0.08	70	400	1
	La ceramica Tessere (annerite)	0.08	80	300	1
	I ciottoli	0.1	60	1000	1
	La Roccia	0.1	70	1000	1
	Osso di bovino artificiale	0.1	50	1000	1
	Specchi retrovisori	0.08	20	3000	1

	Vetro (annerito)	0.065	70	1000	1
	Allumina rivestita	0.05	80	500	1
	Specchio in acciaio Inox Acciaio (annerito)	0.08	80	100	1
	Acciaio inossidabile Spazzolato Acciaio e acciaio	0.08	80	300	1
	Legno compensato	0.08	100	200	1

Atezz-20W (laser power of 20W)

Tagliare	I materiali	Lo spessore (mm)	La potenza (%)	Velocità (mm/min)	Numero di volte
	Legno compensato	8	100	200	1
	Legno di Paulownia	10	75	600	6
	Legno di	12	100	260	1
	Paulownia	18	100	400	6
	L'albero di pino	9	100	130	1
	L'albero di pino	14	80	280	10
	Bambù	5	100	400	1
	Acrilico-Acrilico	5	100	100	1
	Acrilico-Acrilico	15	65	100	10
	Su carta véry	2	80	300	1
	Legno compensato	0.2	80	3000	1
	Legno di Paulownia	4.5	100	160	1
	Legno di	8	100	400	4
	Paulownia	0.05	80	500	1

Incisione	I materiali	Interv allo di linea	La potenza (%)	Velocità (mm/min)	Numero di volte
	Legno compensato	0.1	20	3000	1
	Bambù	0.1	30	3000	1
	MASCHERA DI DENSITÀ	0.1	20	3000	1
	Scatola di cartone	0.1	15	3000	1
	Su carta véry	0.1	15	3000	1
	Olio su carta	0.1	25	3000	1
	Cuoio e pelli	0.1	20	3000	1
	Gomma e gomma	0.1	50	3000	1
	La resina	0.1	13	1000	1
	Denim	0.1	20	3000	1

	Pannello in schiuma ad alta densità	0.1	15	3000	1
	Versione bicolore	0.1	12	3000	1
	Scheda PCB	0.1	60	2000	1
	Acrilico-Acrylic	0.1	50	3000	1
	Prodotti in plastica	0.1	20	3000	1
	Ceramica (annerita)	0.08	80	1000	1
	La ceramica Tessere (annerite)	0.08	80	1000	1
	I ciottoli	0.1	60	3000	1
	La Roccia	0.1	60	3000	1
	Osso di bovino artificiale	0.1	100	100	1
	Specchi retrovisori	0.1	30	1000	1
	Vetro (annerito)	0.08	30	3000	1
	Allumina rivestita	0.065	50	1000	1
	Specchio in acciaio Inox Acciaio (annerito)	0.05	80	500	1
	Acciaio inossidabile Spazzolato Acciaio e acciaio	0.08	80	600	1
	Legno compensato	0.08	80	1000	1
	Legno compensato	0.08	80	500	1

Atezr-35W (laser power of 35W)

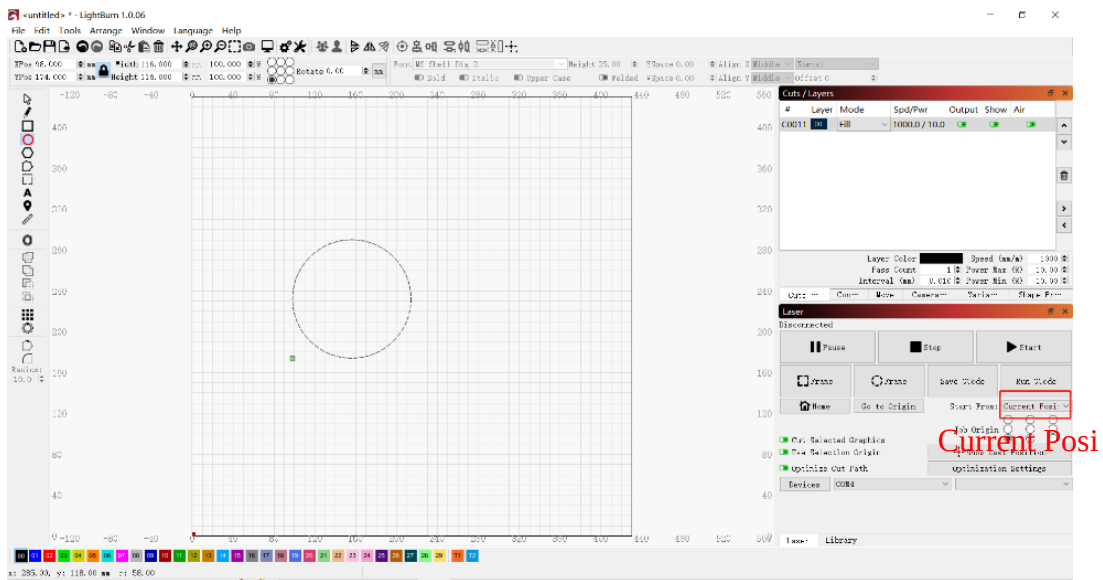
Tagliare	I materiali	Lo spessore (mm)	La potenza (%)	La velocità (mm/min)	Numero di volte
	Legno di sassofrasso	14	80%	600	9
	Legno di pino	15	80%	600	10
	Legno di Paulownia	20	70%	750	9
	Legno di Paulownia	14	80%	200	1
	Legno di sughero	15	100%	500	1
	Bambù	5	80%	400	1
	Cuoio e pelli	5	60%	1000	5
	Su carta véry	0.6	80%	2000	1
	Acrylic-Acrylic	20	80%	100	10
	Acrylic-Acrylic	5	80%	100	1
	Pannello di fibra a media densità	8	80%	1000	7
	Pannello di fibra a media densità	5	80%	350	1

	Lamiera di acciaio inossidabile	0.05	60%	1000	1
	Schiuma di EVA	8	80%	1500	1
	Carta di riso glutinosa	0.5	80%	300	1
	Muro a secco	15	80%	100	1
Incisione	I materiali	Lo spessore (mm)	La potenza (%)	La velocità (mm/min)	Numero di volte
	Legno di sassofrasso	0.1	6000	20%	1
	Legno di pesca gialla	0.1	7000	15%	1
	Legno di pino	0.1	5000	20%	1
	Legno di Paulownia	0.1	7000	45%	1
	Bambù	0.1	7000	50%	1
	Cuoio e pelli	0.1	6000	20%	1
	Denim	0.1	3000	20%	1
	La ceramica	0.05	1000	80%	1
	Piastrelle di ceramica	0.1	2200	80%	1
	Ossido di alluminio	0.01	1000	60%	1
	Vetro	0.1	1500	50%	1
	Acrilico-Acrylic	0.1	6000	50%	1
	Acrilico traslucido	0.1	6000	13%	1
	Tavole bicolore	0.1	5000	12%	1
	Di plastica	0.1	6000	20%	1
	La resina	0.1	1500	13%	1
	Pannello in schiuma ad alta densità	0.1	5000	9%	1
	Gomma e gomma	0.1	5000	50%	1
	Su carta véry	0.1	7000	15%	1
	Carta per ufficio	0.125	3000	13%	1
	Scatola di cartone	0.1	3000	15%	1
	Pannello di fibra a media densità	0.085	6000	20%	1
	Lo specchio	0.08	7000	30%	1
	La Roccia	0.1	6000	60%	1
	Pietra di cristallo	0.1	2000	25%	1
	Scheda PCB	0.1	4000	55%	1
	Acciaio inossidabile a specchio	0.1	2000	60%	1
	Acciaio inossidabile spazzolato	0.08	1500	80%	1
	Ferro zincato	0.1	200	80%	1
	Lamiere di ferro	0.1	500	80%	1

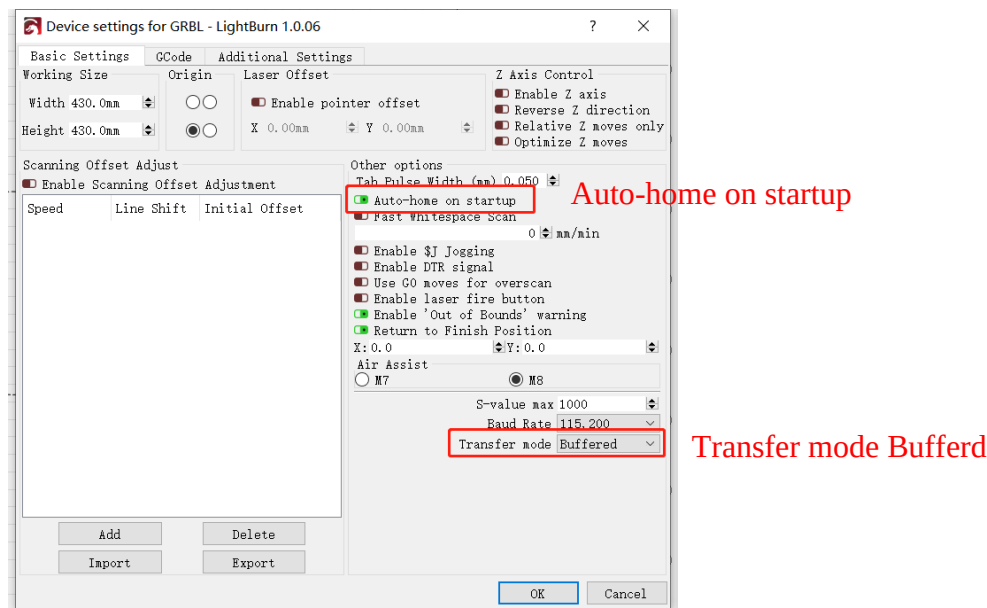
	Ottone	0.1	1000	80%	1
	Policarbonato trasparente	0.1	7000	15%	1
	Chiave (lega di cromo vanadio)	0.1	500	80%	1
	I ciottoli	0.1	6000	60%	1

Le precauzioni

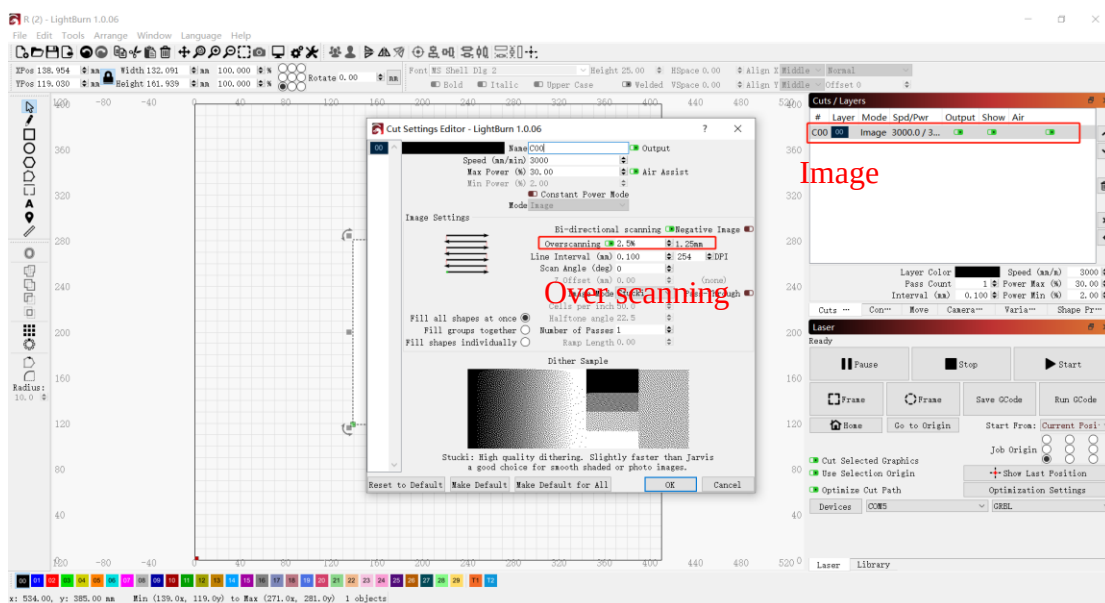
1. Selezionare il software e il dispositivo di connessione della porta COM corretti
La velocità di trasmissione deve essere selezionata: 115200 per garantire che la porta del computer non sia allentata dal cavo USB.
2. Verificare che i meccanismi siano allentati prima dell'incisione (cinghia dentata, colonna eccentrica del rullo, modulo laser allentato o scosso)
3. Regolare correttamente la lunghezza focale per confermare che la distanza dall'estremità del coperchio di protezione laser all'incisione sia uno spessore del film focale fisso.
4. Software LightBurn è in grado di incidere e tagliare diversi materiali facendo riferimento alla tabella dei parametri nel relativo manuale. L'incisione laser da 5W del metallo a specchio richiede l'annerimento manuale della superficie.
5. Nel file di configurazione, la posizione iniziale è impostata per impostazione predefinita sulla posizione corrente.



6. La modalità di trasferimento è impostata sul buffer per impostazione predefinita. Non cambiare il metodo di trasferimento.

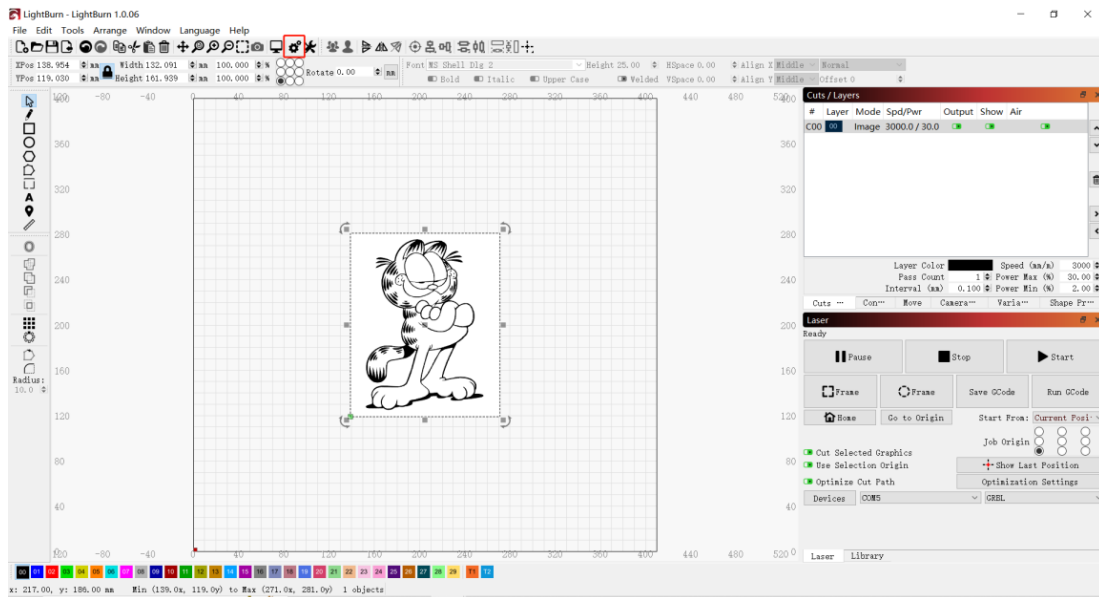


7. Abilita la scansione eccessiva nelle impostazioni del livello per evitare che i bordi vengano bruciati.

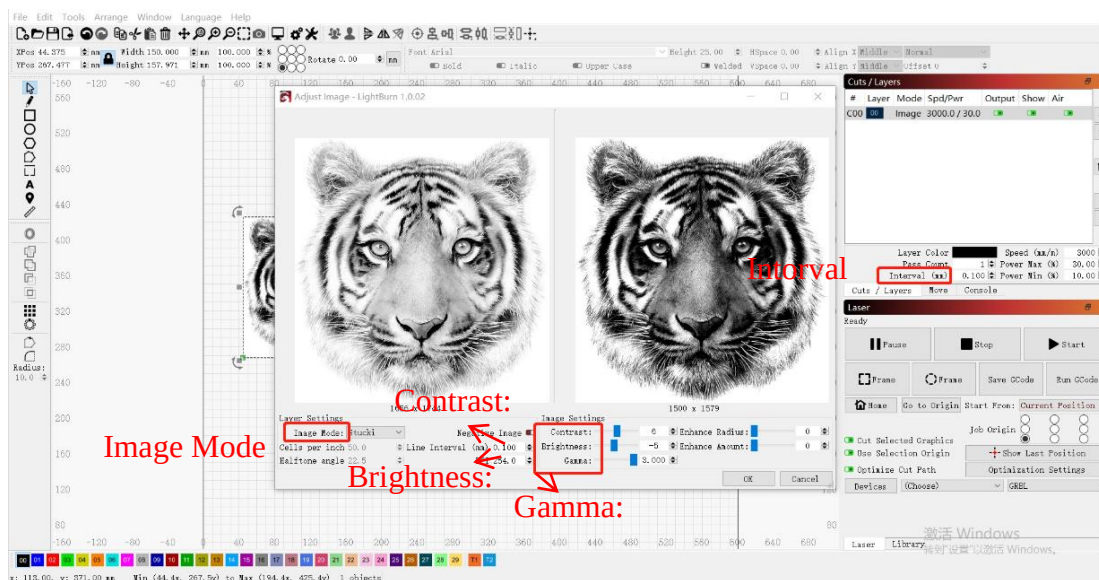


8. Passa dal software Laser GRBL al software LightBurn senza spegnere la macchina, basta spegnere il software corrente e aprire un altro software per aprire la porta seriale corrispondente.

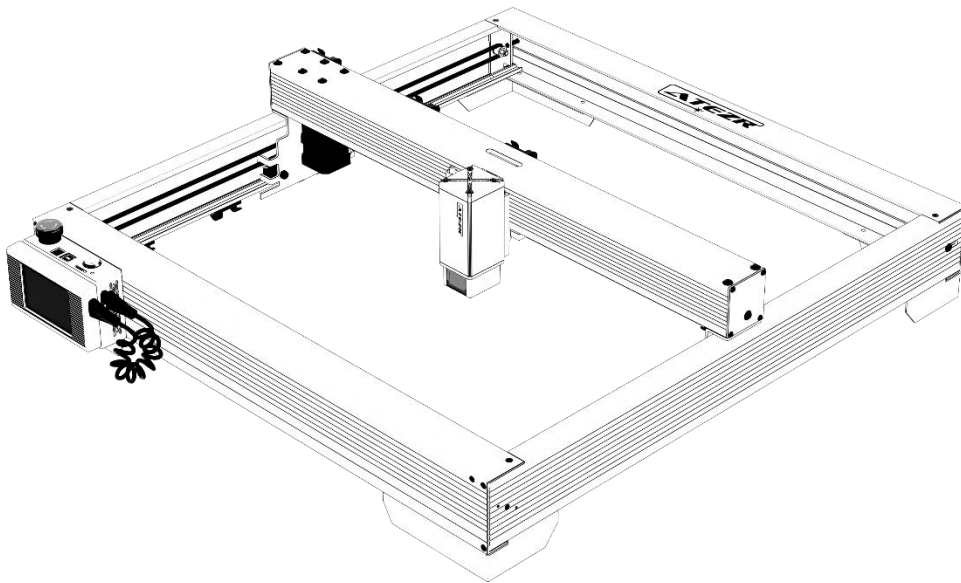
9. La prima volta che si utilizza il software LightBurn, è necessario impostare l'unità di velocità facendo riferimento alla nostra tabella dei parametri.



10. Durante l'incisione, è necessario selezionare la modalità di incisione e i parametri corrispondenti per ottenere l'effetto desiderato.



Guía de usuario de Atezzr



- ☒ English
- ☒ Deutsche
- ☒ Français
- ☒ Italiano
- ☒ Español



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Descargo de responsabilidad

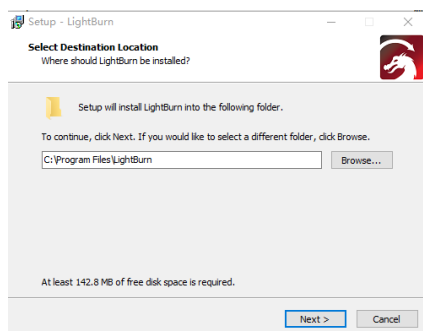
Si necesita controlar Atezz a través de LightBurn, descargue la versión oficial del software LightBurn. LightBurn es un software de terceros, por lo que el servicio Atezz no es responsable de ninguna pérdida causada por la operación de LightBurn. El firmware de Atezz ha sido probado en detalle por Atezz y aún puede ser incompatible con el software o el hardware. Si se produce un error debido a incompatibilidad, puede ponerse en contacto con nuestro departamento de servicio al cliente para obtener asistencia técnica. atezz@service.com

Obtiene e instala LightBurn

1. Descargue este archivo del sitio web de:
<https://lightburnsoftware.com/>



2. Haga doble clic en el paquete de instalación para la instalación y haga clic en "Siguiente" en la ventana emergente.

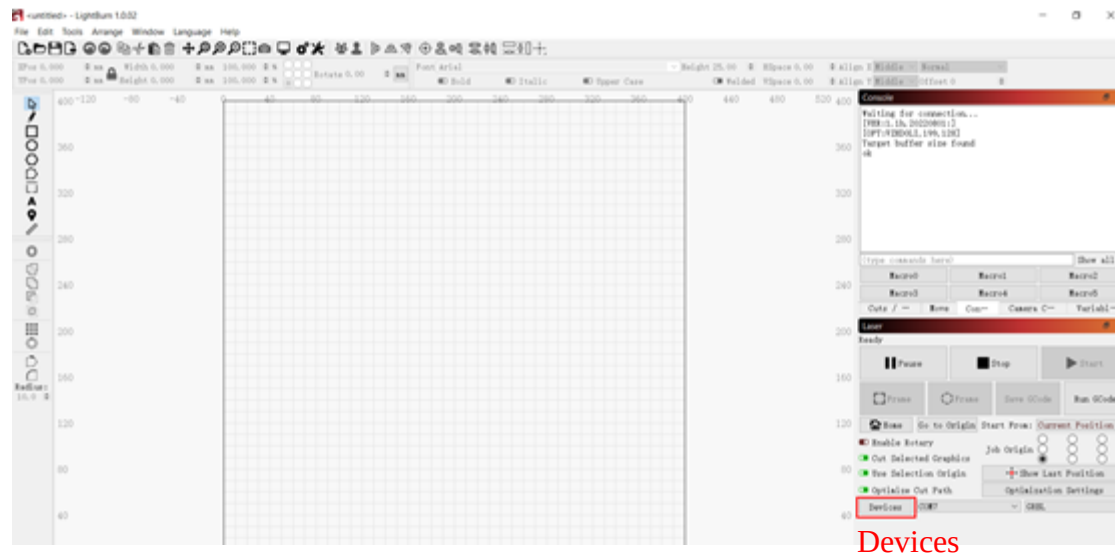


3. Haga clic para comenzar su prueba gratuita.

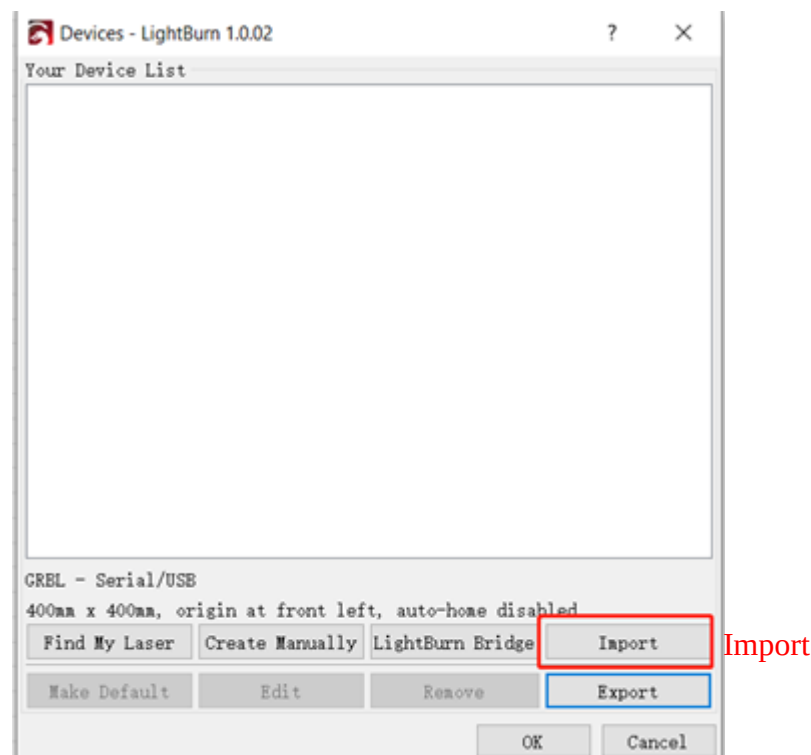


Configure Atezz en LightBurn

Paso 1 Haga clic en el dispositivo

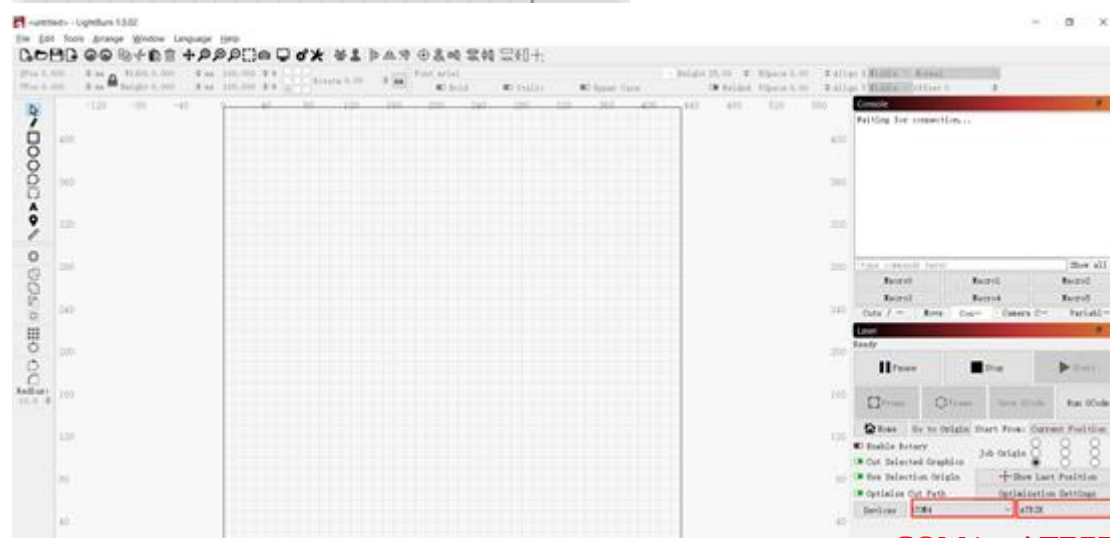
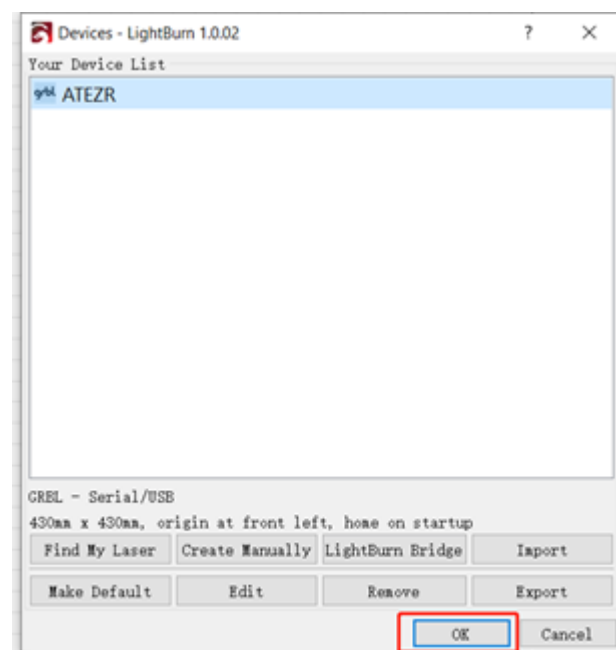
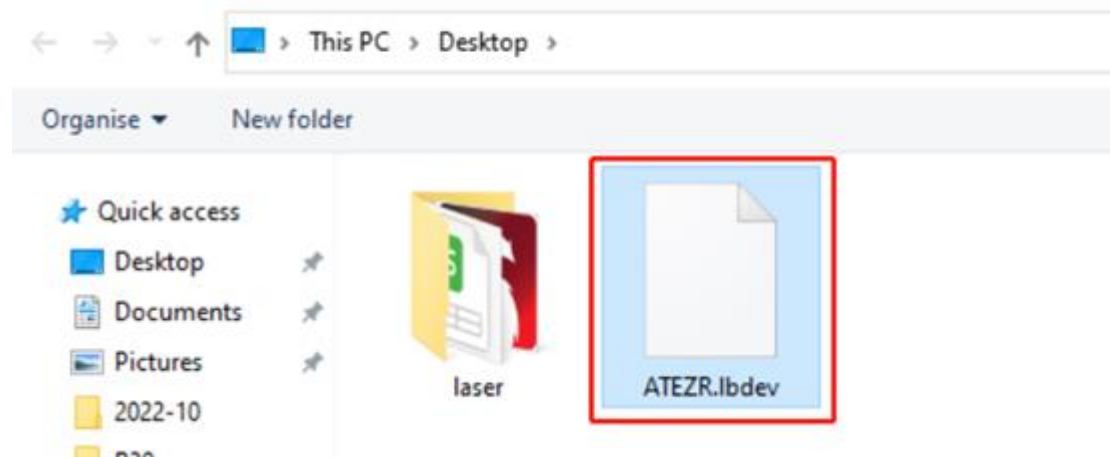


Paso 2 Importe el archivo Atezz_Prefs



El archivo de configuración para que Lightburn reconozca Atezz se encuentra en la tarjeta TF adjunta. Nombre de archivo: ATEZZ.lbdev

Load Device Profile

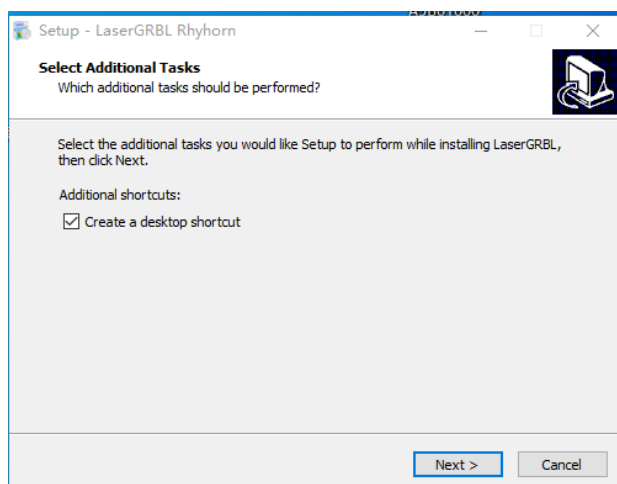


Seleccione puerto serie y ATEZR. Si la conexión es correcta, la configuración se importa correctamente.

Configure Atezzr en LaserGRBL

Paso 1 Descargue e instale LaserGRBL

1. Descargue archivos del sitio web a continuación e instale el software
<http://lasergrbl.com/download/>



Paso 2 Agregue un botón personalizado

1. Agregue botones personalizados a su software en función de su uso. Recomendamos el botón oficial personalizado de LaserGRBL. Botón personalizado Dirección de descarga: <http://lasergrbl.com/usage/custom-buttons/>. Botón personalizado descargado como se muestra a continuación.



CustomButtons.gz

Figura 1: instalación de software

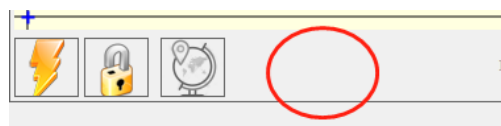


Figura 2: Agregar un botón personalizado

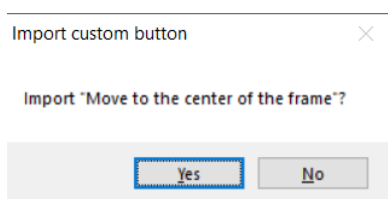


Figura 3: carga de botón personalizada

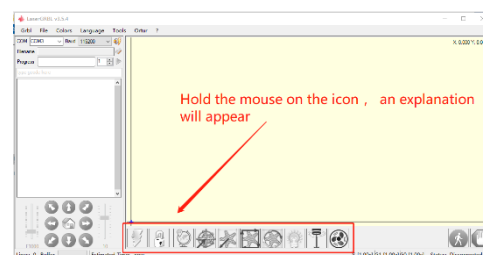
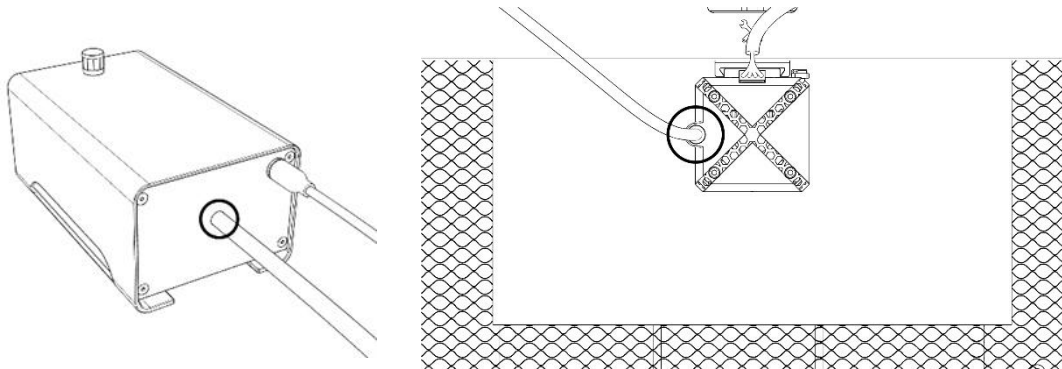


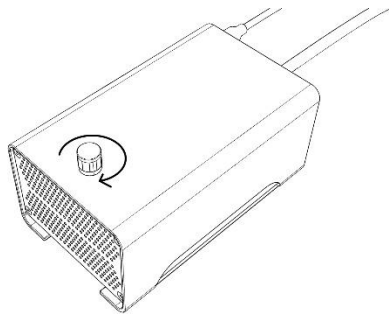
Figura 4: botón de software

Guía de operación Procesamiento asistido por aire

Paso 1 Conecte el tubo de ensayo al módulo láser

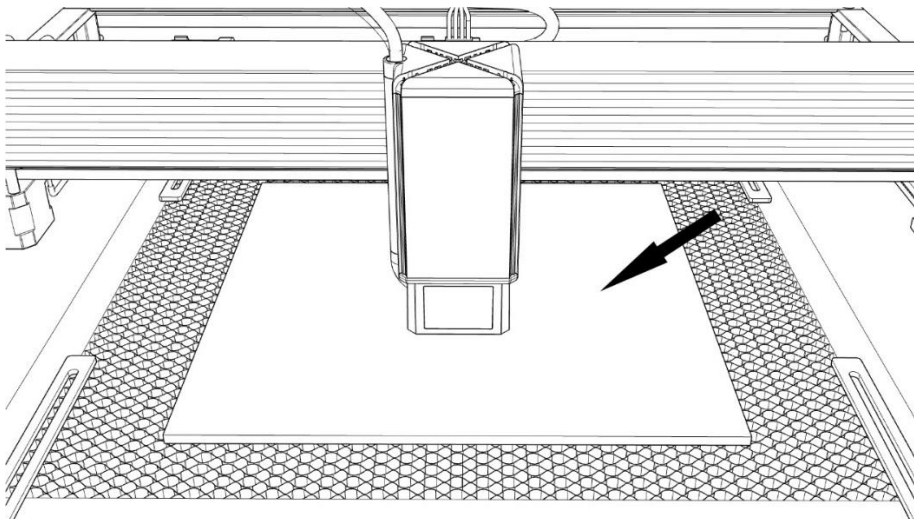


Paso 2 Enciéndalo o apáguelo con un interruptor giratorio

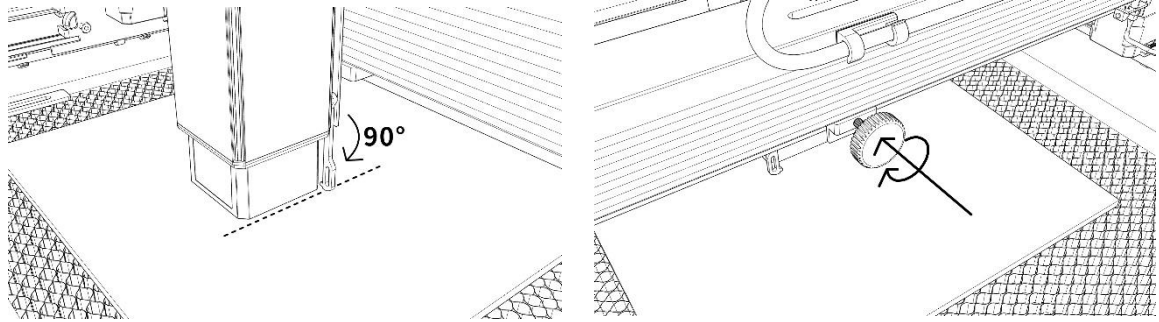


Guía de operación Use LightBurn para tallar/cortar

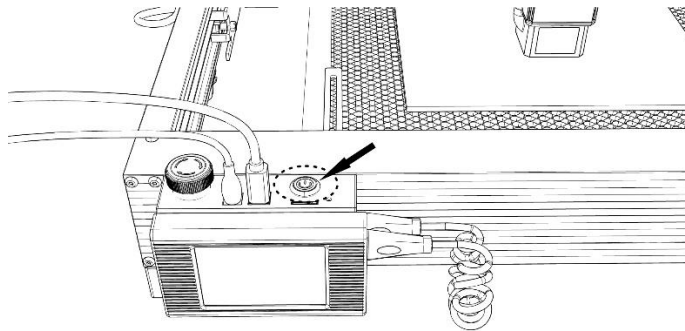
Paso 1 Coloque el material de grabado



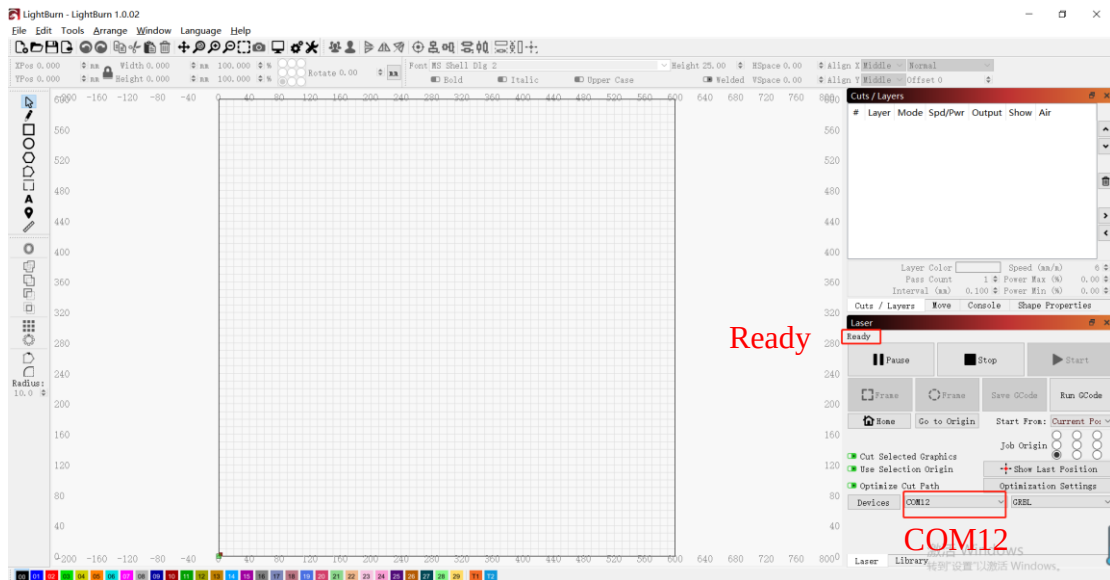
Paso 2 Ajuste la barra de enfoque



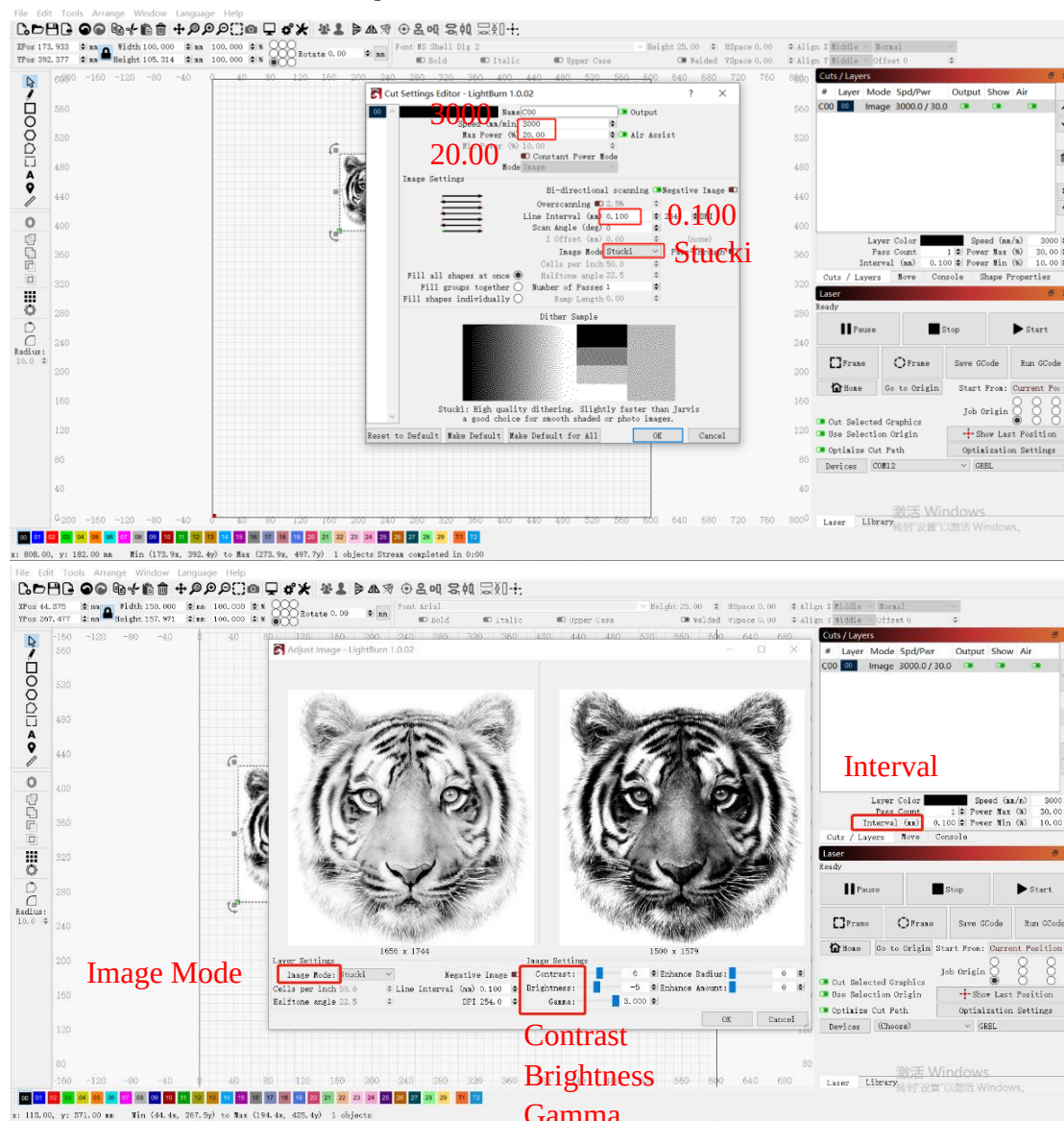
Paso 3 Encendido



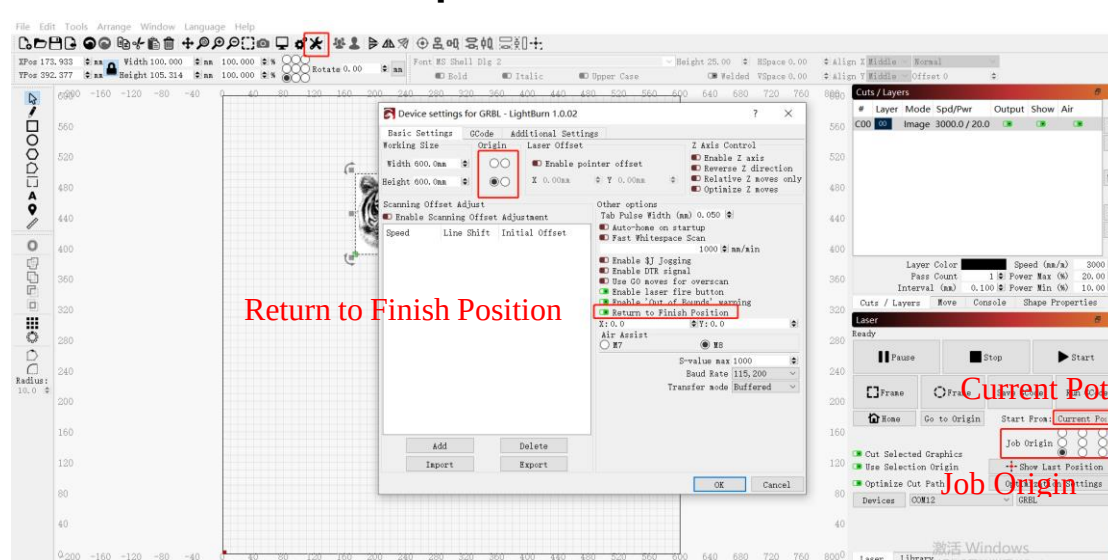
Paso 4 Conecte la máquina a su computadora



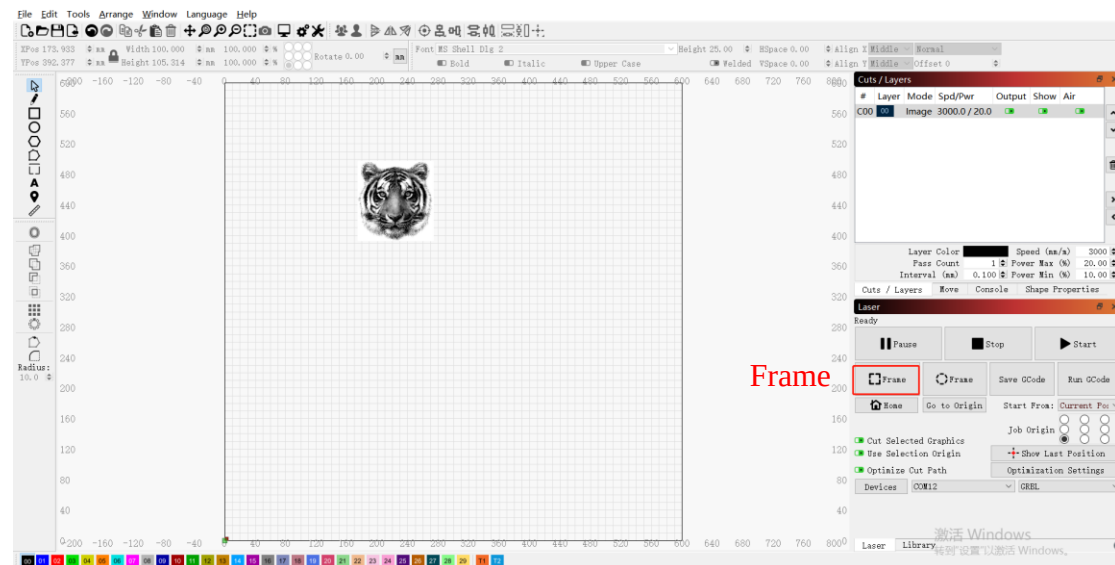
Paso 5 Establecer parámetros



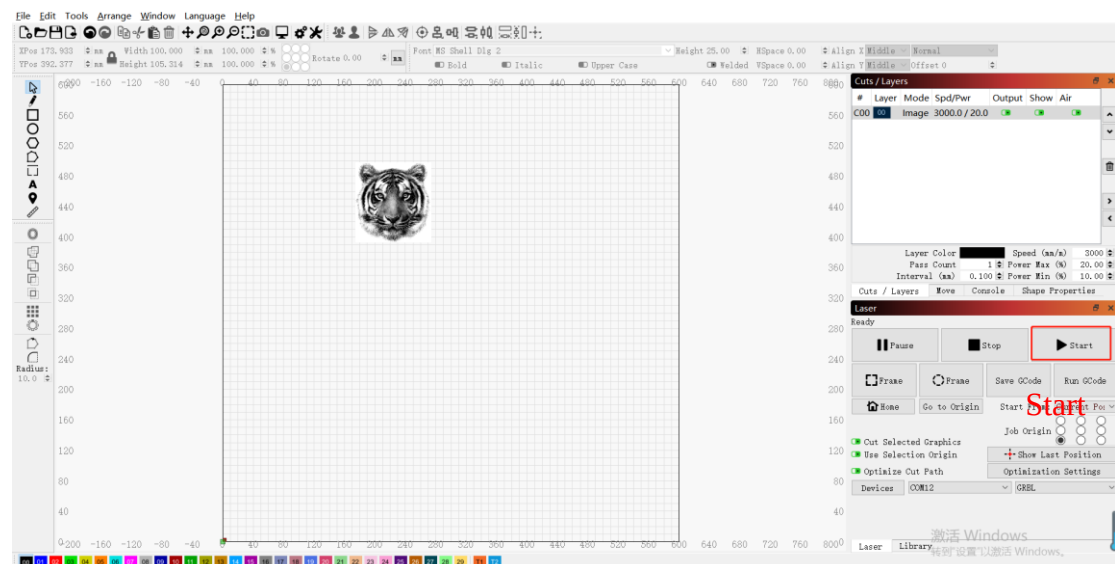
Paso 6 Establecer la posición de inicio



Paso 7 Haga clic en el marco



Paso 8 Haga clic en Inicio

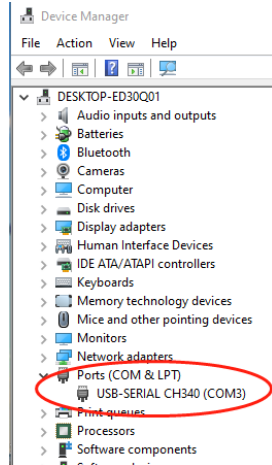


Guía de operación Grabado/corte con LaserGRBL

Paso 1 Conéctate a la máquina

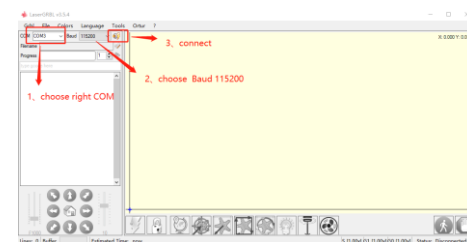
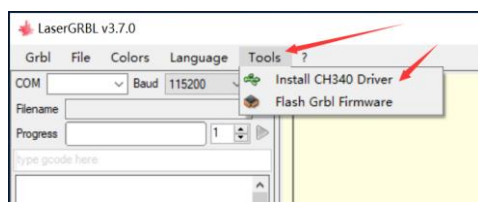
1. Conecte la máquina de grabado a una computadora con el software LaserGRBL instalado.
2. Inserta la fuente de alimentación de la máquina de grabado.
3. Abra el software LaserGRBL.

4. Seleccione el número de puerto correcto y la velocidad en baudios en el software -115200 (en general, el puerto COM no requiere una selección manual, pero si tiene varios dispositivos en serie conectados a su computadora, necesita hacer eso, puede encontrar un puerto en el dispositivo de Windows System. También puede encontrar un puerto de grabado.

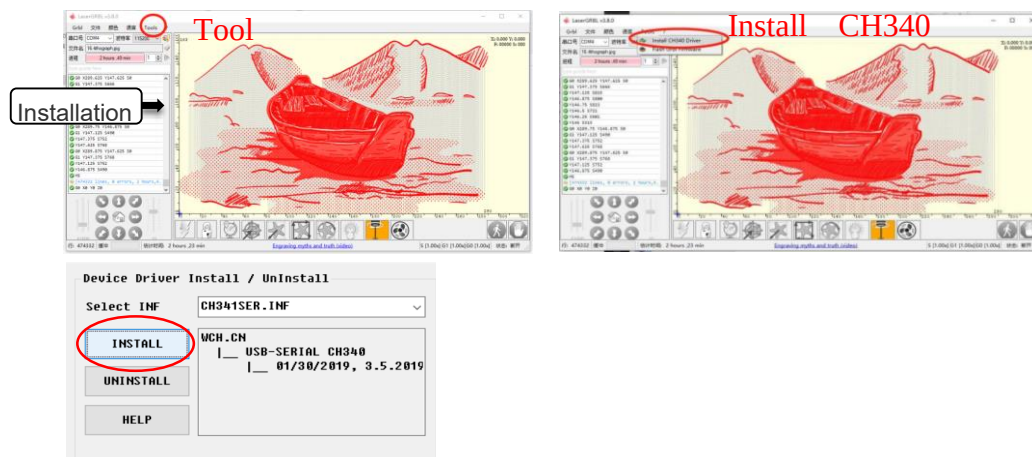


5. Primero, instale el controlador CH340. En el software LaserGRBL, haga clic en "Herramientas" > "Instalar el controlador CH340" para instalar el controlador y reiniciar la computadora después de la instalación para conectarse.

6. Haga clic en la marca de conexión del rayo en el software. Cuando la bandera de lightning se vuelve roja X, la conexión es exitosa.

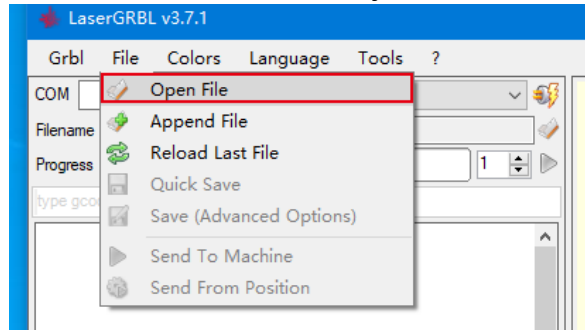


7. Si la computadora y la máquina de grabado fallan, debe actualizar la unidad de la siguiente manera. En LaserGRBL, haga clic en Herramientas > Instalar el controlador CH340 para actualizar el controlador de instalación, reiniciar la computadora después de la actualización y luego conectarse, como se muestra a continuación.

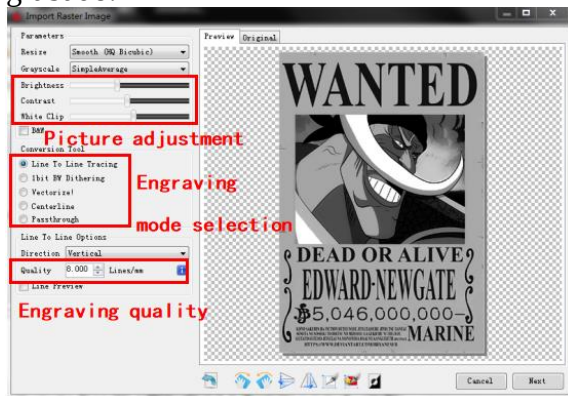


Paso 2 Establecer los parámetros de grabado

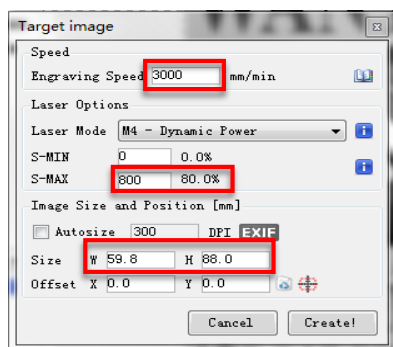
1. Elija tallar el archivo. Abra el software LaserGRBL, haga clic en "Archivo" > "Abrir archivo" y seleccione los gráficos para grabar. LaserGRBL admite formatos NC, BMP, JPG, PNG, DXF y más.



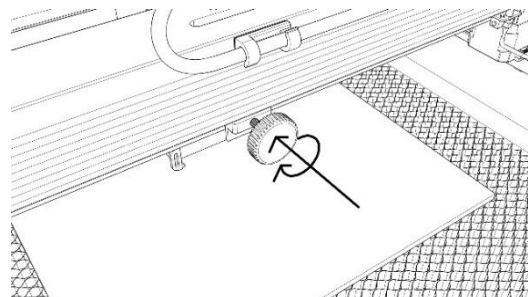
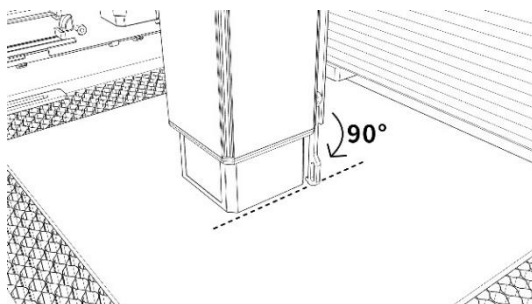
2. Establezca los parámetros de la imagen, el modo de grabado y la calidad de grabado.



3. Establezca la velocidad de grabado, la energía y el tamaño.

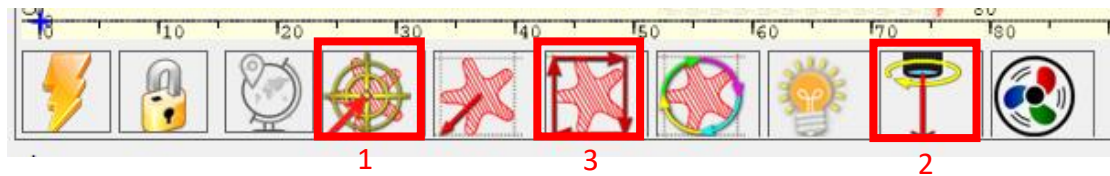


Paso 3 Ajuste la barra de enfoque

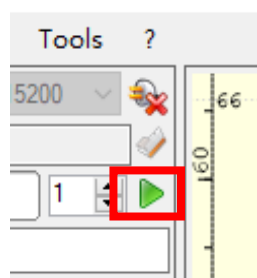


Paso 4 Ajuste la posición

1. Seleccione el botón "Mover al centro", el láser se moverá al centro del patrón.
2. Haga clic en el botón "light laser", el láser emitirá una luz débil, el punto de irradiación del láser es el centro del patrón de grabado, por lo tanto, ajuste la posición del objeto grabado.
3. Haga clic en el botón "Escaneo de perfil", el láser comenzará a escanear el contorno exterior del patrón en la computadora, puede cambiar la posición del objeto grabado de nuevo en función de la posición del contorno exterior escaneado. Además, puede hacer clic en el botón "Rodear" varias veces hasta que el contorno exterior esté en la posición que desea esculpir.



Paso 5 Comience y deje de tallar o cortar



Start

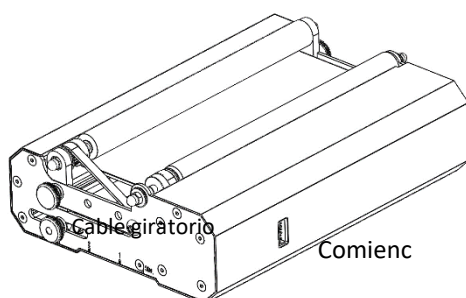


Stop

Guía de operación-Procesamiento rotativo

Paso 1 Conéctese a la máquina de grabado

1. Conecte la rotación a la máquina de grabado.

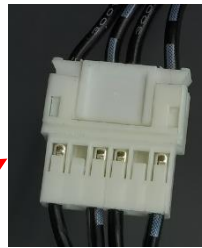




Conéctese a la

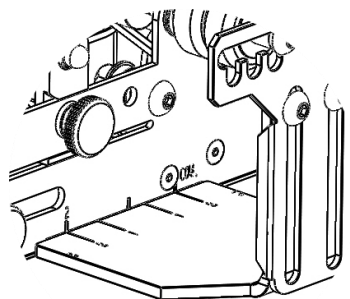
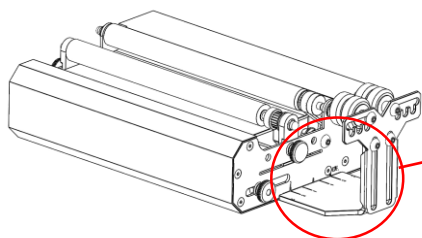
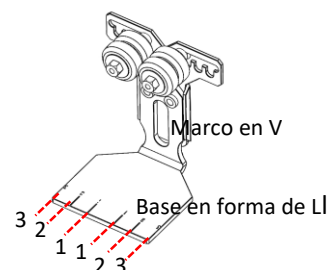
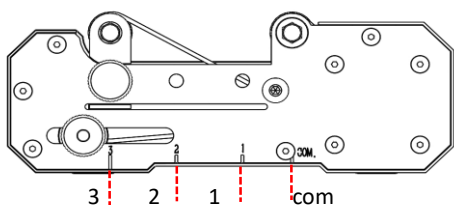


Conexión giratoria al motor del eje Y

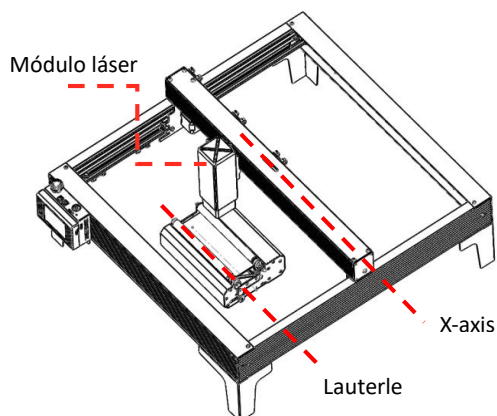


Paso 2 Ajuste el archivo de distancia

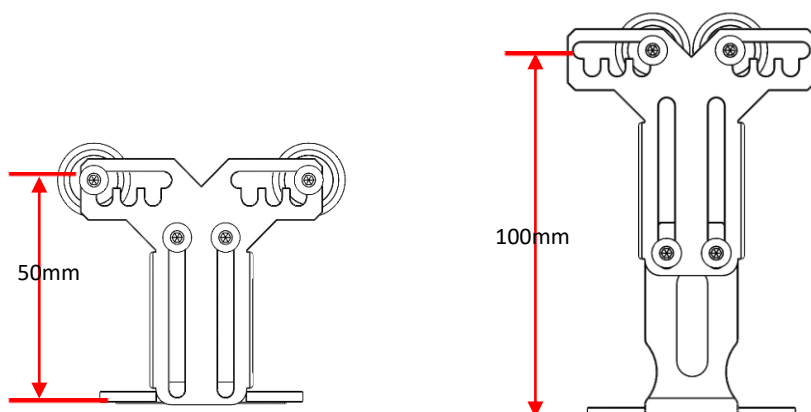
1. La rotación tiene 3 orificios roscados que se pueden ajustar para que coincida con objetos de diferentes tamaños y se pueden ajustar para que coincida con los elementos.
2. Hay 3 marcas de escala en el panel lateral del rotador y 3 marcas de escala en la base en forma de L del bastidor en V. Coloque la base en forma de L cerca de la rotación, por lo que, Puede alinear las etiquetas como se muestra a continuación.



Paso 3 Mantenga la rotación paralela al eje X



Paso 4 Ajuste la base L y el marco en V

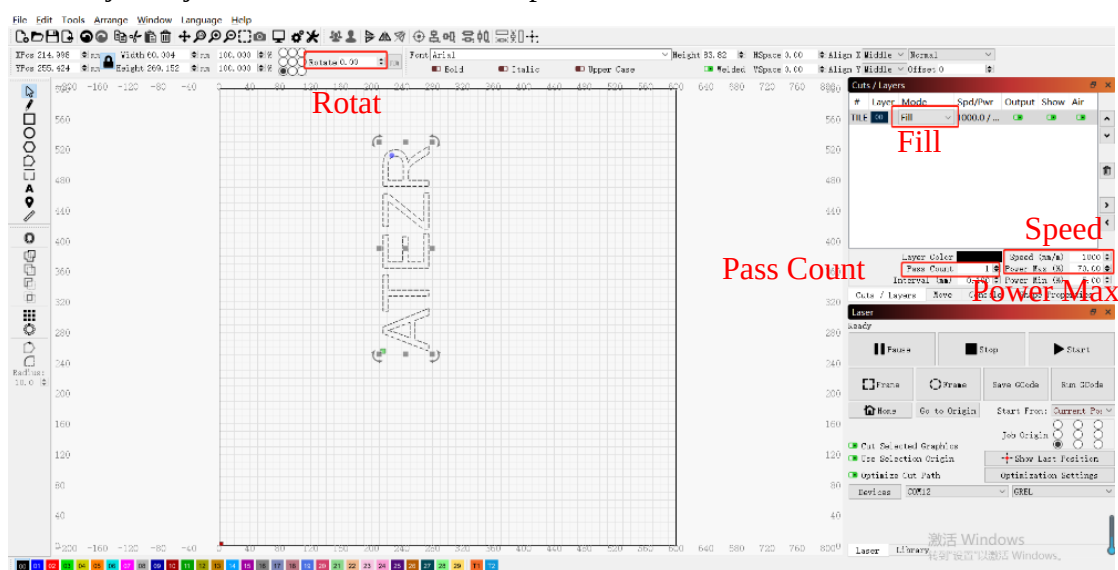


Posición más corta y más ancha de la

Posición más alta y más estrecha

Paso 5 Establezca los parámetros en LightBurn

1. La altura del marco en V del rodillo es ajustable de 50 mm a 100 mm, y se puede ajustar para que coincida con objetos de diferentes alturas para el grabado. El marco en forma de V tiene 5 orificios ajustables, se puede ajustar de acuerdo con el tamaño del objeto, ajustar diferentes anchos se pueden tallar.



Operación APP-talla fuera de línea

Paso 1 Descargue la aplicación ATEZR LASER

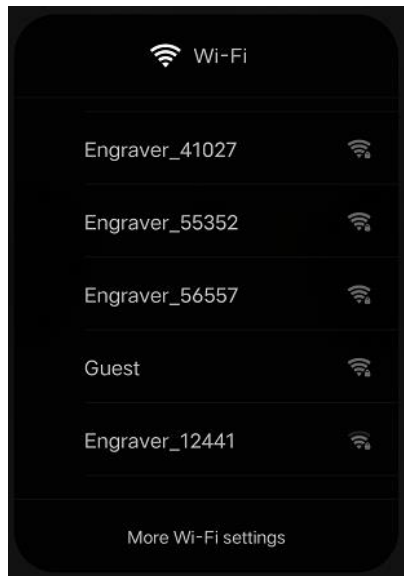
1. Busque la aplicación de descarga ATEZR LASER en el sitio web de la tienda de aplicaciones.



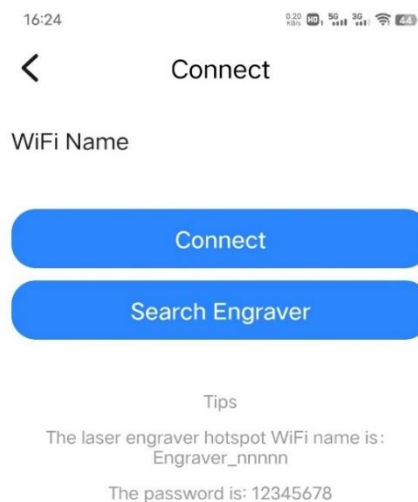
2. Complete la instalación, ingrese la aplicación.

Paso 2 Conéctese a la máquina de grabado

1. Encienda su WLAN, seleccione el nombre Wifi de su grabador (Engraver_xxx) e ingrese su contraseña . La contraseña para su grabador Wi-Fi es: 12345678

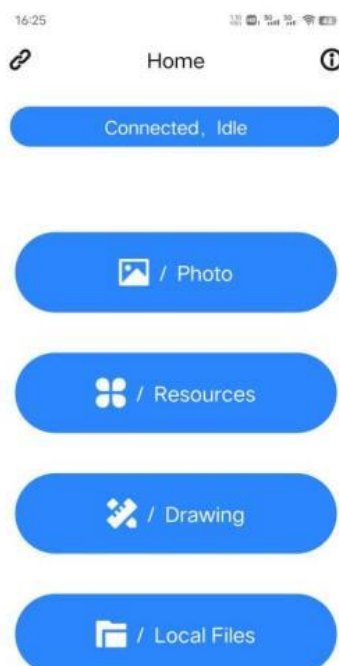


2. Ingrese a la página de conexión WiFi de la aplicación, haga clic en el alfabeto de búsqueda para conectarse.



Paso 3 Seleccione recursos para tallar

3. Elige recursos.



4. Seleccione la imagen (como: estrellas).



5. Configure el Brillo y el Contraste y toque Siguiente.



7. Después de que la carga del archivo sea exitosa, aparecerá una notificación y luego hará clic en Iniciar.



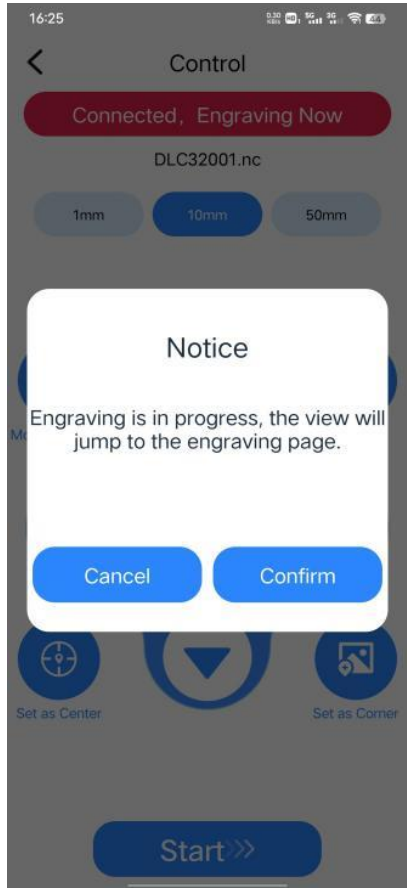
6. Establezca el nombre, tamaño, velocidad, tabla de parámetros de referencia de potencia, haga clic en Siguiente.



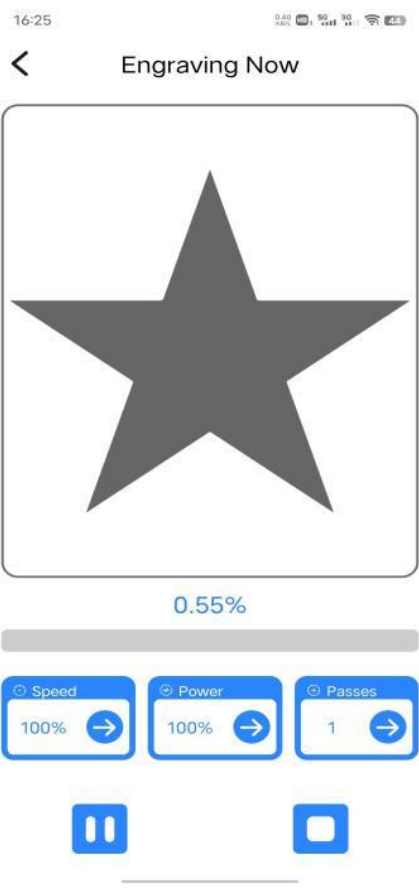
8. Vaya a la página de control, haga clic en el botón Marco para probar el área adecuada para el grabado y luego haga clic en Inicio.



9.Haga clic en el botón Confirmar para comenzar a tallar (si hace clic en Cancelar, la máquina se detendrá Trabajo).



10.Cuando ingrese a la página de grabado, no dude en ajustar la velocidad, el porcentaje de potencia y el tiempo de grabado.



Configuración recomendada para materiales

La lista de parámetros es solo para los materiales más utilizados. Es posible que los clientes deban probar otros materiales poco comunes por sí mismos, continuaremos cargando nuestros informes de prueba sobre diferentes tipos de materiales en el futuro. El otro, Si el cliente desea un efecto de grabado diferente, consulte la tabla de parámetros para ajustar los parámetros adecuadamente en Lightburn.

Atezr-5W (potencia del láser 5W)

	Material	Espesor (mm)	Poder (%)	Velocidad (mm/min)	Número de veces
Cortar	Madera contrachapada	3	80	150	1
	Paulownia madera	5	80	150	1
	Paulownia madera	6	80	150	10
	Pino	5	80	60	1
	Pino	5.5	80	150	3

	Bambú	2	80	250	1
	Acre	3	80	50	1
	Acre	8	80	50	10
	Papel kraft	0.2	80	3500	1
	Cuero artificial	2	100	100	1

	Material	Intervalo de línea	Poder (%)	Velocidad (mm/min)	Número de veces
	Madera contrachapada	0.1	60	3000	1
	Bambú	0.1	50	3000	1
	Tablero de densidad	0.1	25	3000	1
	Cartón	0.1	30	3000	1
	Papel kraft	0.1	28	3000	1
	Papel de pintura al óleo	0.1	10	1000	1
	Cuero	0.1	20	3000	1
	Caucho	0.1	70	1000	1
	Resina	0.1	40	1000	1
	Jeans	0.1	20	3000	1
	Tablero de espuma de alta densidad	0.1	30	3000	1
	Versión en dos colores	0.1	30	3000	1
	Placa de PCB	0.1	80	600	1
	Acre	0.1	50	3000	1
	Productos de plástico	0.1	20	1000	1
	Cerámica (negro)	0.08	80	1000	1
	Cerámica Azulejos (negro)	0.08	80	1000	1
	Guijarros	0.1	80	1000	1
	Roca	0.1	70	1000	1
	Hueso de vaca artificial	0.1	70	700	1
	Espejo retrovisor	0.08	40	3000	1
	Vidrio (negro)	0.065	80	400	1
	Alúmina recubierta	0.05	80	100	1
	Espejo de acero inoxidable Acero (negro)	0.08	80	100	1
	Acero inoxidable	0.08	80	100	1

	cepillado Acero Steel				
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Atezr-10W (laser power of 10W)

	Material	Espesor (mm)	Poder (%)	Velocidad (mm/min)	Número de veces
Cortar	Madera contrachapada	5	80	150	1
	Paulownia madera	7	80	150	1
	Paulownia madera	8	80	700	8
	Pino	5	80	100	1
	Pino	7	80	300	8
	Bambú	2	80	400	1
	Acre	4	80	100	1
	Acre	10	80	100	5
	Papel kraft	2	80	100	1
	Cuero artificial	0.2	80	3500	1

	Material	Intervalo de línea	Poder (%)	Velocidad (mm/min)	Número de veces
Grabado	Madera Contrachapada	0.1	25	3000	1
	Bambú	0.1	30	3000	1
	Tablero de densidad	0.1	20	3000	1
	Cartón	0.1	30	3000	1
	Papel kraft	0.1	20	3000	1
	Papel de pintura al óleo	0.1	30	3000	1
	Cuero	0.1	20	3000	1
	Caucho	0.1	50	2000	1
	Resina	0.1	40	2000	1
	Jeans	0.1	20	2000	1
	Tablero de espuma de alta densidad	0.1	25	3000	1
	Versión en dos colores	0.1	20	3000	1
	Placa de PCB	0.1	70	2000	1
	Acre	0.1	25	3000	1
	Productos de plástico	0.1	20	3000	1
	Cerámica (negro)	0.08	70	400	1
	Cerámica	0.08	80	300	1

	Azulejos (negro)				
	Guijarros	0.1	60	1000	1
	Madera contrachapada	0.1	70	1000	1
	Bambú	0.1	50	1000	1
	Tablero de densidad	0.08	20	3000	1
	Cartón	0.065	70	1000	1
	Papel kraft	0.05	80	500	1
	Papel de pintura al óleo	0.08	80	100	1
	Cuero	0.08	80	300	1
	Acero inoxidable cepillado Acero Steel	0.08	100	200	1

Atezr-20W (laser power of 20W)

Cortar	Material	Espesor (mm)	Poder (%)	Velocidad (mm/min)	Número de veces
	Madera contrachapada	8	100	200	1
	Paulownia madera	10	75	600	6
	Paulownia madera	12	100	260	1
	Pino	18	100	400	6
	Pino	9	100	130	1
	Bambú	14	80	280	10
	Acre	5	100	400	1
	Acre	5	100	100	1
	Papel kraft	15	65	100	10
	Cuero artificial	2	80	300	1
	Papel kraft	0.2	80	3000	1
	Tablero de densidad	4.5	100	160	1
	Tablero de densidad	8	100	400	4
	Hoja de acero inoxidable	0.05	80	500	1

Grabado	Material	Intervalo de línea	Poder (%)	Velocidad (mm/min)	Número de veces
	Madera contrachapada	0.1	20	3000	1
	Bambú	0.1	30	3000	1

	Madera contrachapada	0.1	20	3000	1
	Bambú	0.1	15	3000	1
	Tablero de densidad	0.1	15	3000	1
	Cartón	0.1	25	3000	1
	Papel kraft	0.1	20	3000	1
	Papel de pintura al óleo	0.1	50	3000	1
	Cuero	0.1	13	1000	1
	Caucho	0.1	20	3000	1
	Resina	0.1	15	3000	1
	Jeans	0.1	12	3000	1
	Jeans	0.1	60	2000	1
	Tablero de espuma de alta densidad	0.1	50	3000	1
	Tablero de espuma de alta densidad	0.1	20	3000	1
	Tablero de espuma de alta densidad	0.08	80	1000	1
	Versión en dos colores	0.08	80	1000	1
	Placa de PCB	0.1	60	3000	1
	Acre	0.1	60	3000	1
	Productos de plástico	0.1	100	100	1
	Cerámica (negro)	0.1	30	1000	1
	Cerámica	0.08	30	3000	1
	Azulejos (negro)	0.065	50	1000	1
	Guijarros	0.05	80	500	1
	Madera contrachapada	0.08	80	600	1
	Bambú	0.08	80	1000	1
	Tablero de densidad	0.08	80	500	1

Atezr-35W (laser power of 35W)

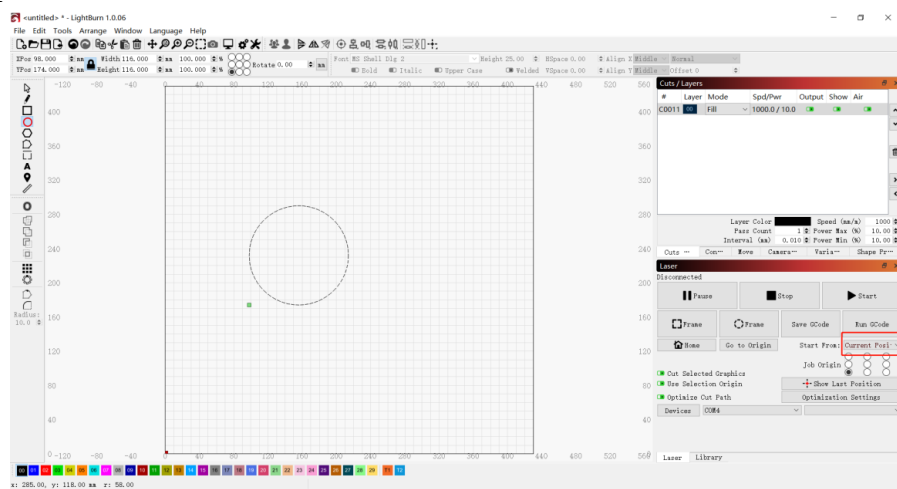
	Material	Espesor Mm	Poder (%)	Velocidad mm/min	Número de veces
Cortar	Tilo	14	80%	600	9
	Madera de pino	15	80%	600	10
	Paulownia madera	20	70%	750	9
	Paulownia madera	14	80%	200	1
	Corcho	15	100%	500	1
	Bambú	5	80%	400	1
	Cuero	5	60%	1000	5
	Papel kraft	0.6	80%	2000	1

	Acre	20	80%	100	10
	Acre	5	80%	100	1
	Tablero de fibra de densidad media	8	80%	1000	7
	Tablero de fibra de densidad media	5	80%	350	1
	Hoja de acero inoxidable	0.05	60%	1000	1
	Espuma EVA	8	80%	1500	1
	Papel de arroz glutinoso	0.5	80%	300	1
	Pared seca	15	80%	100	1
Grabado	Material	Espesor Mm	Poder (%)	Velocidad mm/min	Número de veces
	Tilo	0.1	6000	20%	1
	Madera de melocotón amarillo	0.1	7000	15%	1
	Madera de pino	0.1	5000	20%	1
	Paulownia madera	0.1	7000	45%	1
	Bambú	0.1	7000	50%	1
	Cuero	0.1	6000	20%	1
	Jeans	0.1	3000	20%	1
	Cerámica	0.05	1000	80%	1
	Azulejos	0.1	2200	80%	1
	Alúmina	0.01	1000	60%	1
	Vidrio	0.1	1500	50%	1
	Acre	0.1	6000	50%	1
	Ácido acrílico translúcido	0.1	6000	13%	1
	Tablero de dos colores	0.1	5000	12%	1
	Plástico	0.1	6000	20%	1
	Resina	0.1	1500	13%	1
	Tablero de espuma de alta densidad	0.1	5000	9%	1
	Caucho	0.1	5000	50%	1
	Papel kraft	0.1	7000	15%	1
	Papel de oficina	0.125	3000	13%	1
	Cartón	0.1	3000	15%	1
	Tablero de fibra de densidad media	0.085	6000	20%	1
	Espejo	0.08	7000	30%	1
	Roca	0.1	6000	60%	1
	Barita	0.1	2000	25%	1

	Placa de PCB	0.1	4000	55%	1
	Espejo de acero inoxidable	0.1	2000	60%	1
	Acero inoxidable cepillado	0.08	1500	80%	1
	Hierro galvanizado	0.1	200	80%	1
	Hierro	0.1	500	80%	1
	Latón	0.1	1000	80%	1
	Polycarbonato transparente	0.1	7000	15%	1
	Llave cromo vanadio aleación	0.1	500	80%	1
	Guijarros	0.1	6000	60%	1

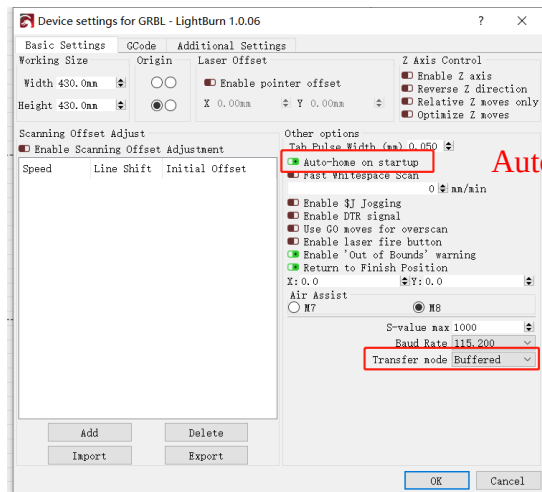
Precauciones

1. Seleccione el software y el dispositivo de conexión de puerto COM correctos, la velocidad en baudios debe elegir: 115200, para garantizar que el puerto de la computadora y la conexión del cable USB no estén sueltos.
2. Antes de tallar, confirme si las agencias están sueltas (correa, columna excéntrica del rodillo, módulo láser suelto o jitter)
3. Ajuste correctamente la distancia focal para confirmar que la distancia desde el extremo de la cubierta protectora del láser hasta el grabado es de espesor fijo de la película de coque.
4. El software LightBurn puede referirse a la tabla de parámetros en el manual correspondiente para tallar y cortar diferentes materiales. El grabado láser de espejo de metal de 5W requiere un tratamiento de ennegrecimiento superficial manual.
5. En el archivo de configuración, la ubicación de inicio se establece de forma predeterminada en la ubicación actual.



Current Posi

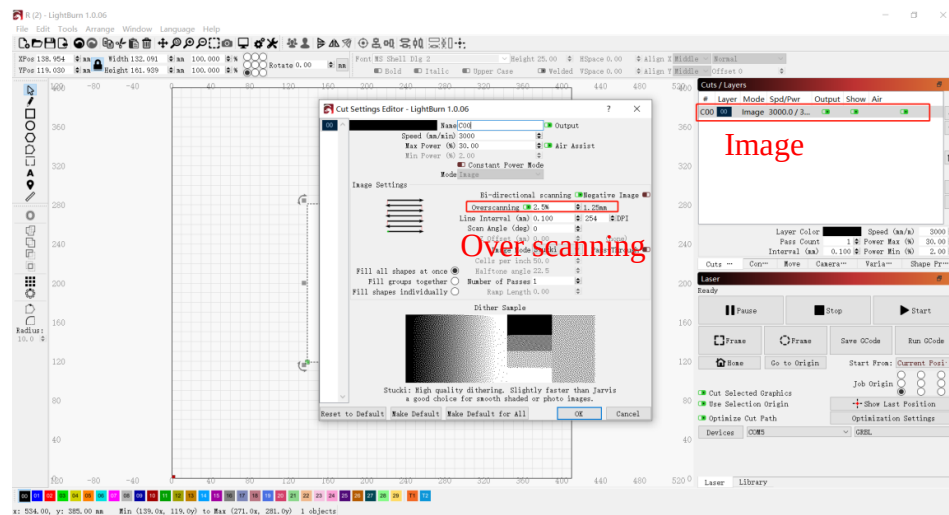
6. La configuración predeterminada del modo de transporte es el almacenamiento en búfer. No cambies el método de transferencia.



Auto-home on startup

Transfer mode Bufferd

7. Habilite el escaneo excesivo en la configuración de la capa para evitar que los bordes se quemen.

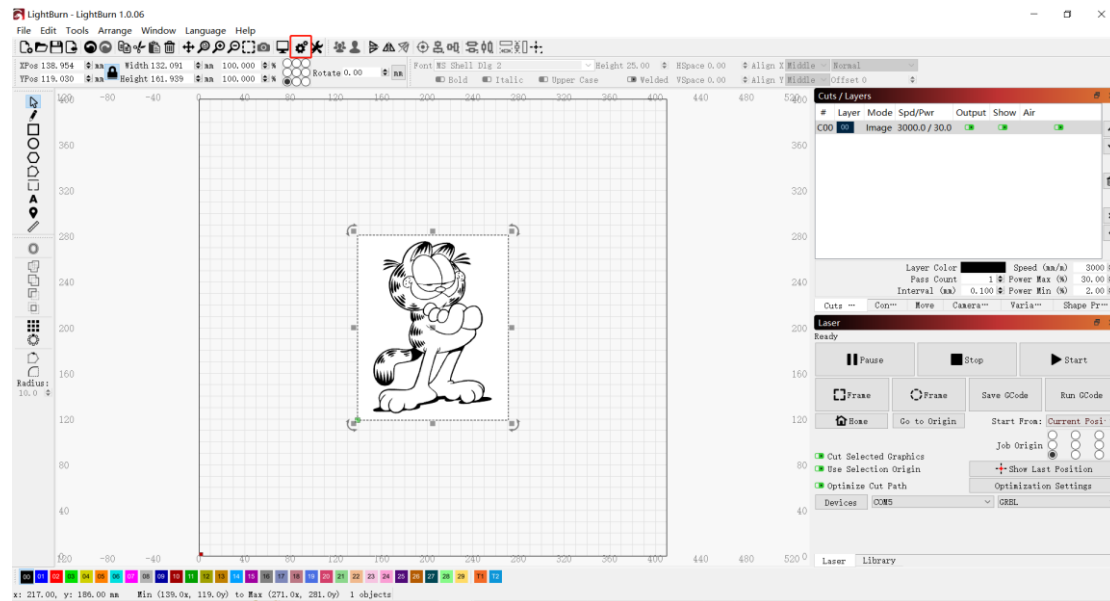


Over scanning

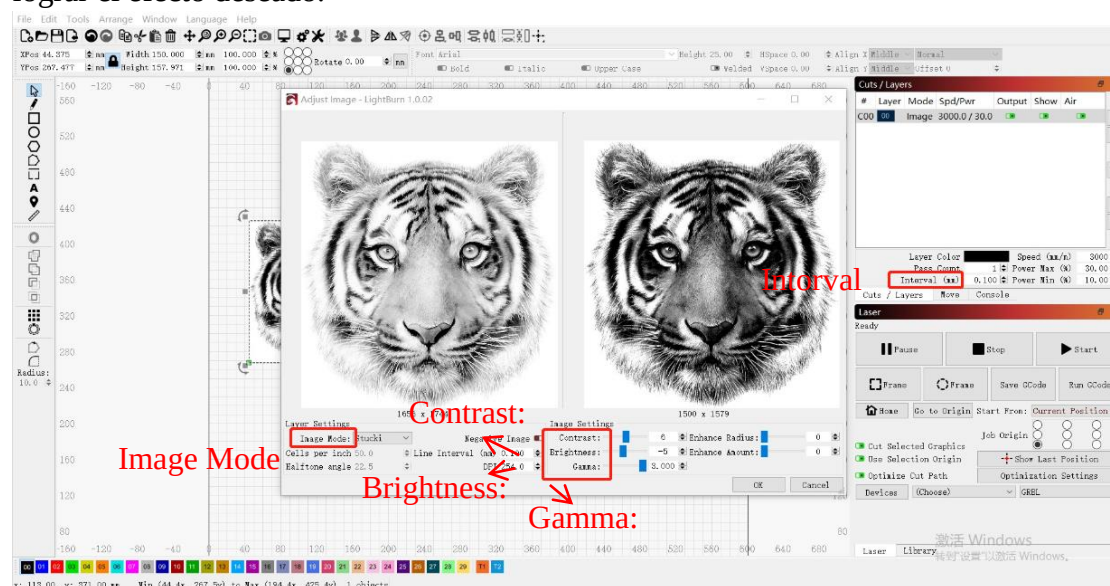
Image

8. Cambie entre el software Laser GRBL y LightBurn sin apagar la alimentación de la máquina, simplemente apague el software actual y abra otro software para abrir el puerto serie apropiado.

9. La primera vez que use el software LightBurn, debe establecer la unidad de velocidad con referencia a nuestra lista de parámetros.



10. Al tallar, debe elegir el modo de grabado y los parámetros correspondientes para lograr el efecto deseado.



FCC STATEMENT :

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

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

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

EC/REP
Gesellschaft: Like Sun GmbH
Adresse: Planckstr. 59, 45147 Essen
Email: ec-connection@web.de
Telefon: +49 471 39156605





Customer Service:

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Customer Service Email: service@atezr.com

PR Email Address: pr@atezr.com

Phone: 1 (800) 965-9612

Scanner APPLICATION:

QR code reader/ Barcode scanner or any APP with scanner

