

# TyvokStudio Laser Engraving Software User Guide

**File Version :** tyvok2601003A

**Software version :** V1.1.6

**Last updated:** 2025-12-08

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## 1. Welcome and Important Statement

Welcome to **TyvokStudio**

Thank you very much for using Tyvok Studio. Your participation is invaluable and helps us identify and improve issues, allowing us to create more advanced and powerful design software.

This software is compatible with TYVOK laser engraving machines, including K1, S1, X1S, X1S Pro, X1C, P2, and the A1 series.

### **Important Notice:**

Version V1.1.6: This version has been optimized; however, there may still be stability issues, incomplete features, or unknown errors. Please pay special attention to the following two points when using the software:

#### **1. Data Security:**

Please back up your design files before use. Software crashes may result in the loss of unsaved work.

#### **2. Equipment Safety:**

Before actual engraving, be sure to perform a laser head trial run (i.e., move the laser head without emitting the laser) to verify the accuracy of its movement range and path, and to prevent collisions or engraving errors.

## **Feedback:**

Any problems, errors, or suggestions you encounter are extremely valuable. Your feedback helps drive our continuous improvement.

(For feedback methods, please refer to the end of this guide.)

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## **2. System Requirements and Installation Guide**

### **2.1 Minimum system requirements**

**Operating System:** Windows 7/ Windows 10 (64-bit) / Windows 11

**Processor:** Intel Core i5 or equivalent AMD processor

**Memory:** 8 GB RAM

**Hard disk space:** At least 2 GB of free space

**Graphics card:** Integrated graphics card

**Others:** USB 2.0 or above port (for connecting laser equipment)

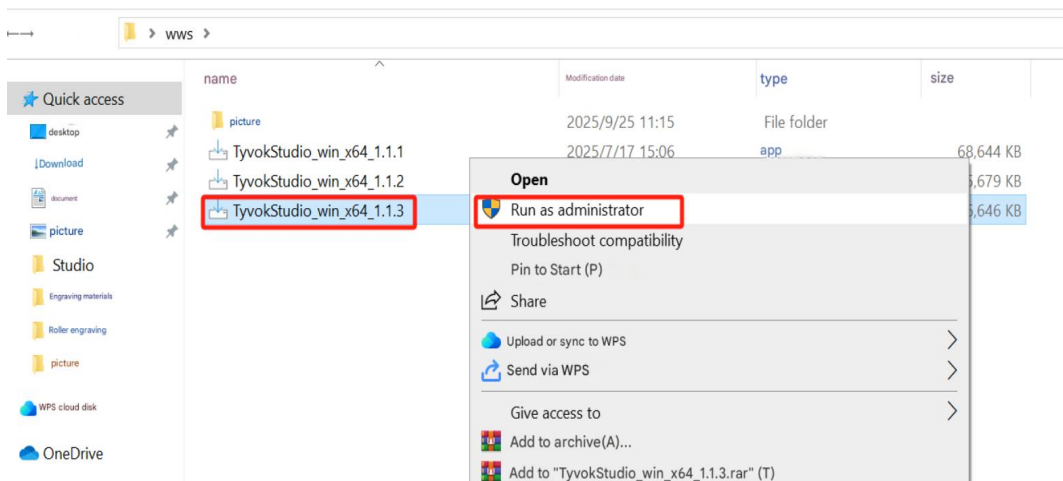
### **2.2 Download and installation**

#### **2.2.1 Download the installation package:**

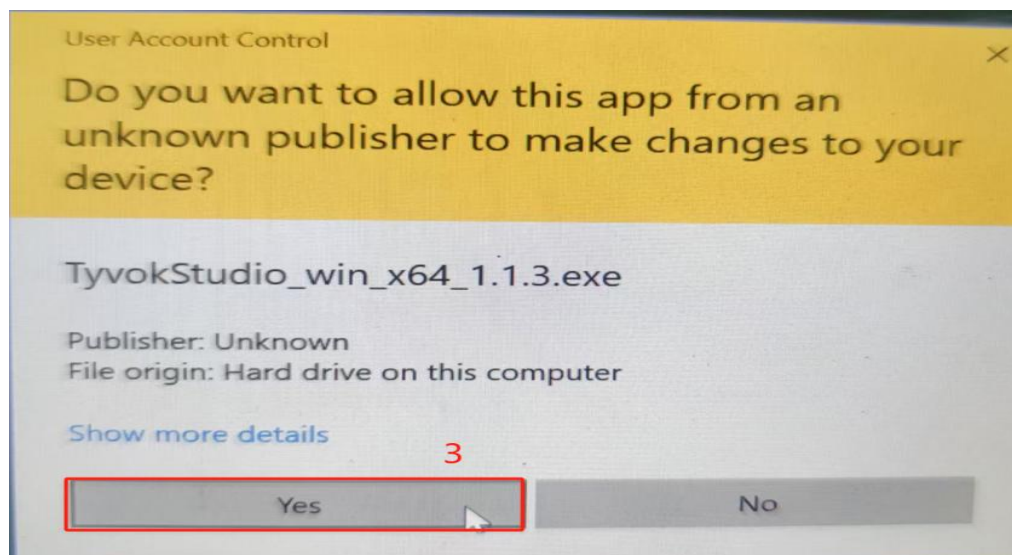
Download and install the program provided by Tyvok.

#### **2.2.2 Install the software (Windows) :**

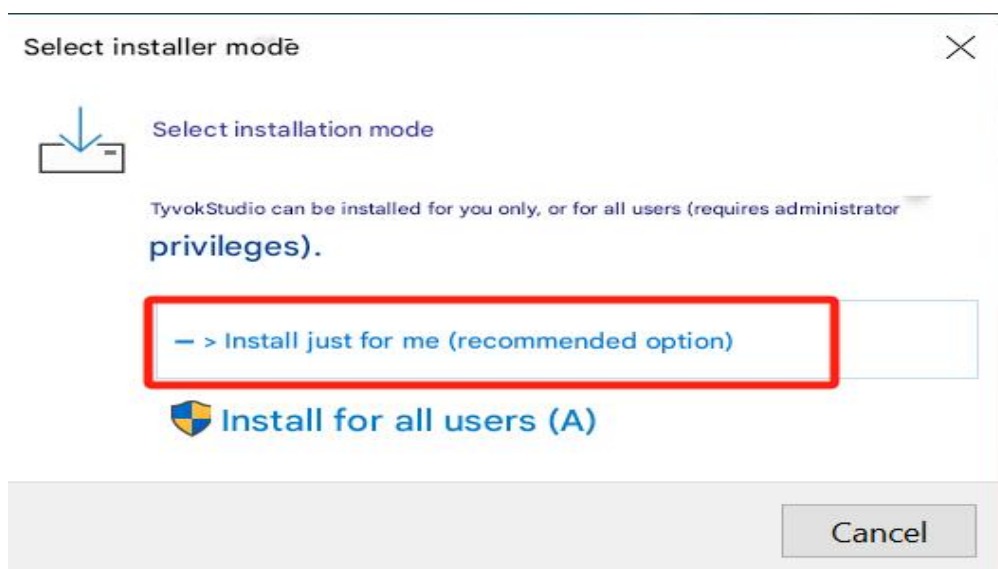
**2.2.3 Select the downloaded installation package, right-click and click "Run as Administrator".**



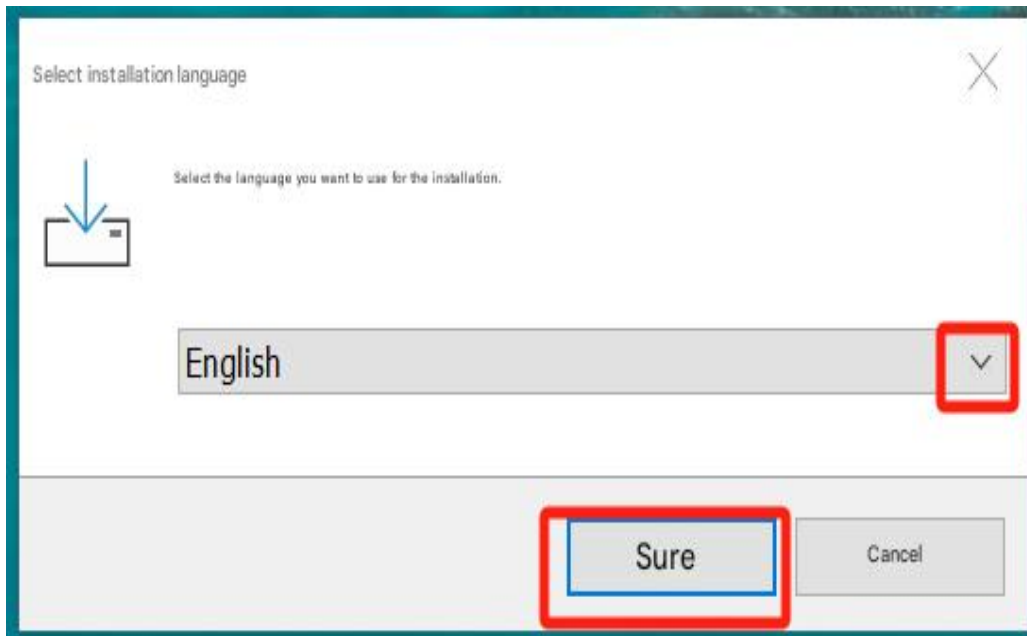
**2.2.4 Select "Yes" , to proceed to the next step.**



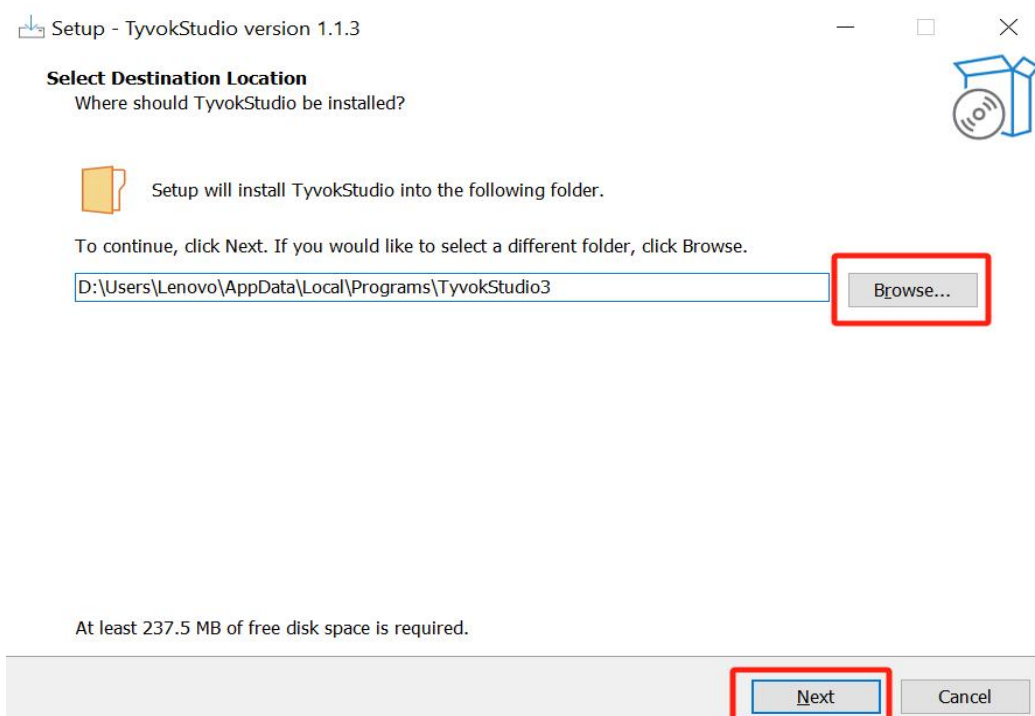
**2.2.5 Select "Install just for me".**



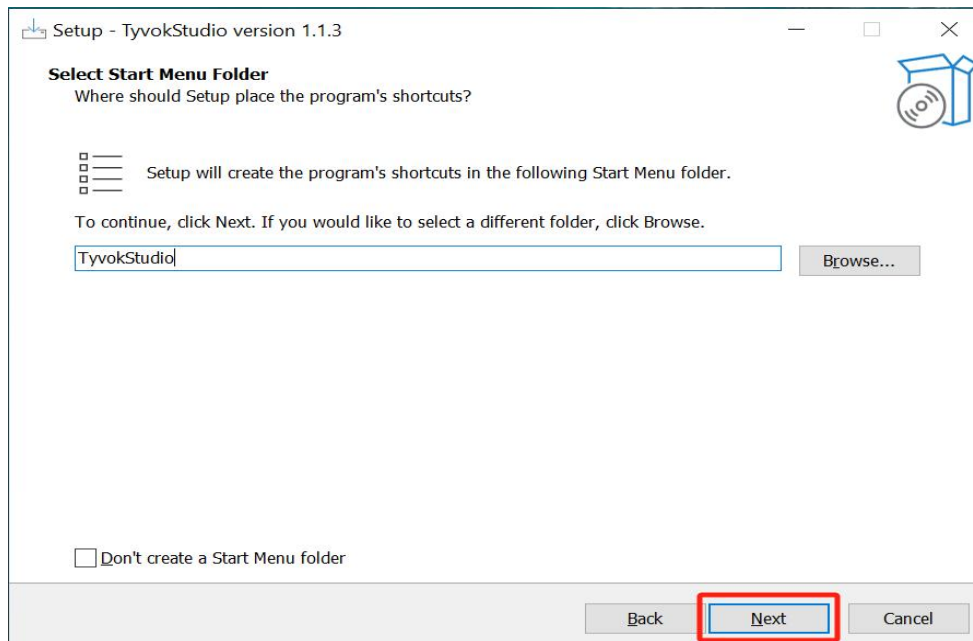
**2.2.6 Currently,there are only two language packs to choose from: English and Chinese. After selecting, click "OK"to proceed to the next step.**



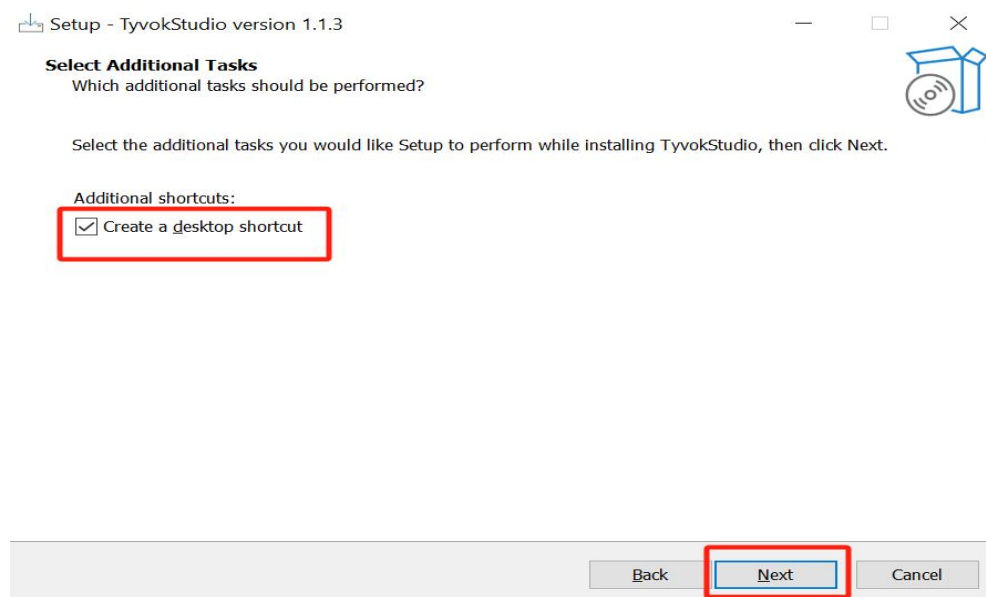
**2.2.7 After selecting the installation path, click "next".**



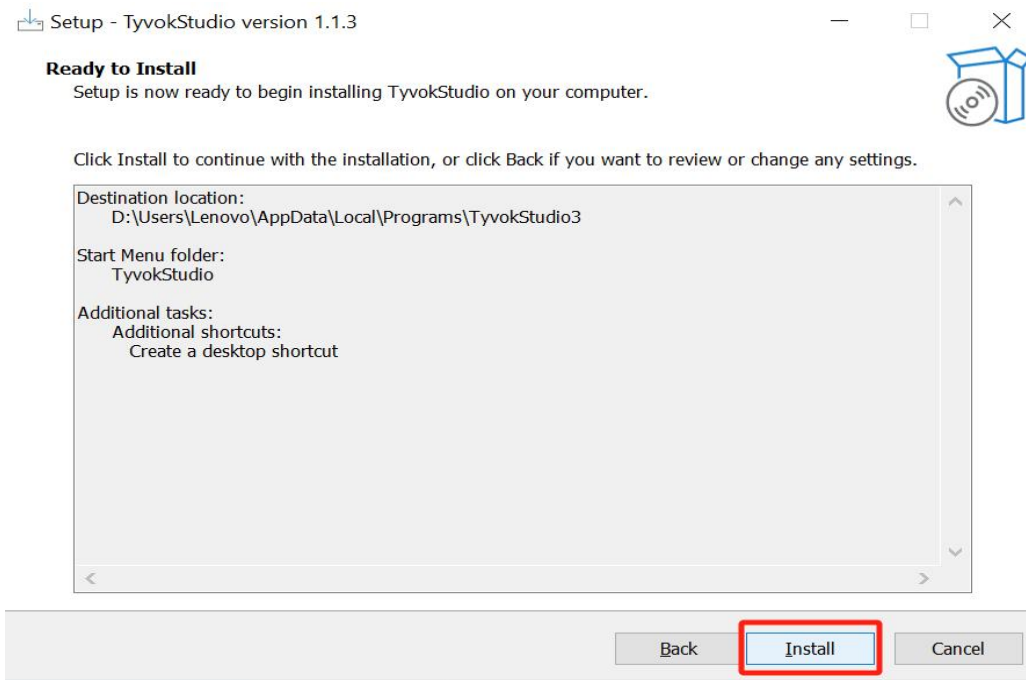
## 2.2.8 Select "next" to proceed to the nex step.



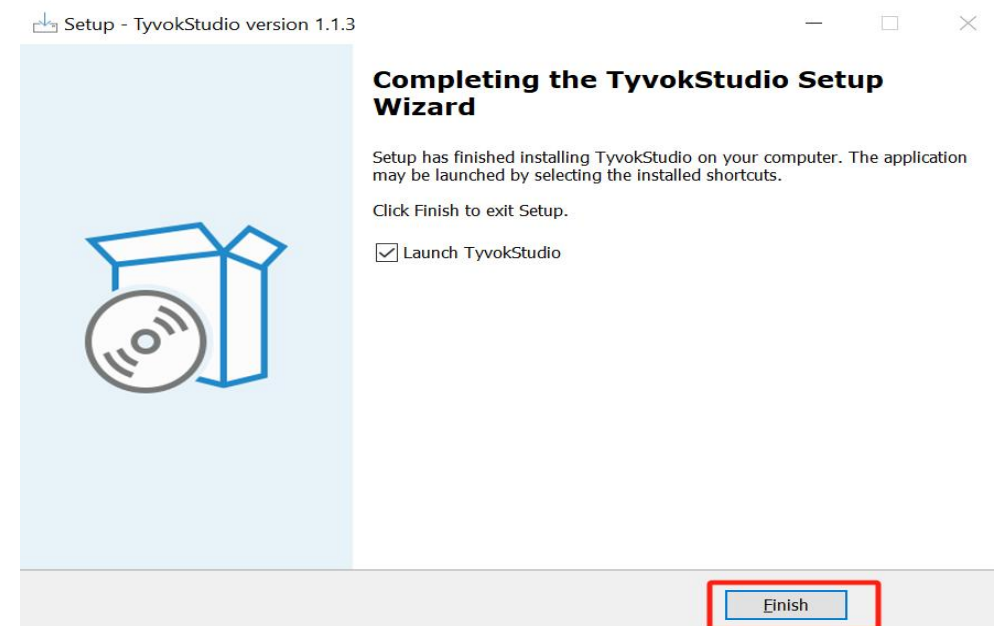
## 2.2.9 Select "next" to proceed to the next step.



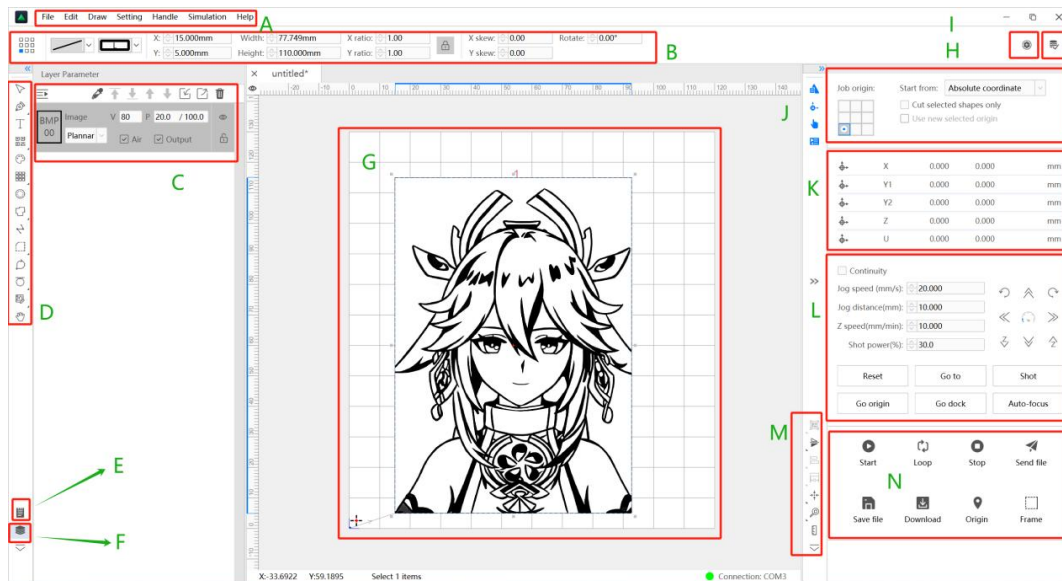
**2.2.10 Select "Install" to begin installing the software. The installation is expected to take 20–60 seconds. If the installation is blocked by security software, please choose to allow or skip the prompt as needed.**



## 2.2.11 Select “Finish” to complete the installation process and launch the software directly.



### 3. Software interface preview



After launching the software, you will see the main working interface, which is primarily divided into the following areas:

#### A. Menu Bar and Toolbar:

Contains file operations (**N**ew, **O**pen, **S**ave, **I**mport, etc.), editing commands (**U**ndo, **R**edo), and shortcut buttons for commonly used functions.

#### B. Object Properties Panel:

When a graphic (such as text, an image, or a shape) in the workspace is selected, its position, size, rotation angle, and other properties are displayed here and can be modified.

#### C. Layer Panel:

Manage different engraving elements. You can set independent engraving parameters (such as power and speed), as well as show,hide, or lock individual layers.

**D. Drawing Toolbar:**Used to draw shapes and add text.

**E. Work Log:** View operation records.

**F. Layers Panel Location:**

Indicates the position of the Layers panel.

**G. Workspace (Canvas):**

The main design and layout area. The gray grid area represents the engraving range of the laser device.

**H. Device connection:**

Search and manage connected devices, and set the working width of different devices.

**I. Material Library:**

Add and save commonly used engraving parameters.

**J. Set up and modify coordinate systems.****K. Display the real-time coordinates of the laser head.****L. Manual control of laser head.****M. Auxiliary toolbar.****N. Processing control bar.**

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## **4. Device connection and settings**

**Connect the Laser Device:**

4.1 Disconnect the power supply of your laser engraver.

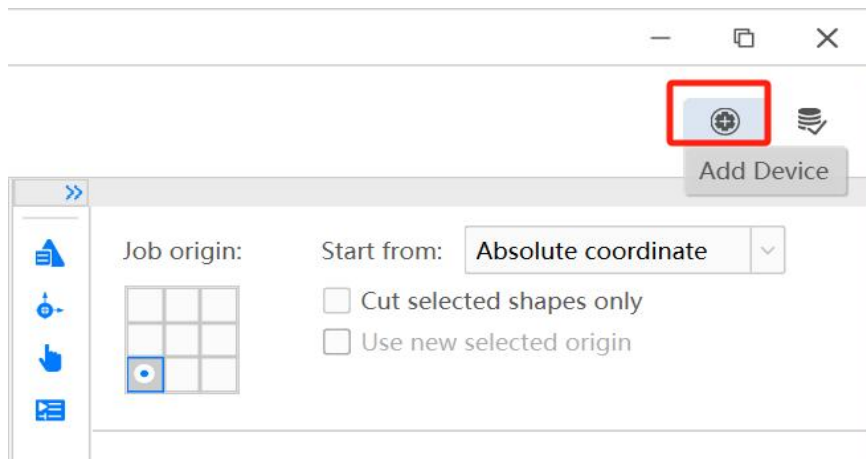
4.2 Use a USB cable to connect your computer to the laser engraving machine.

4.3 Turn on the power of the laser engraving machine.

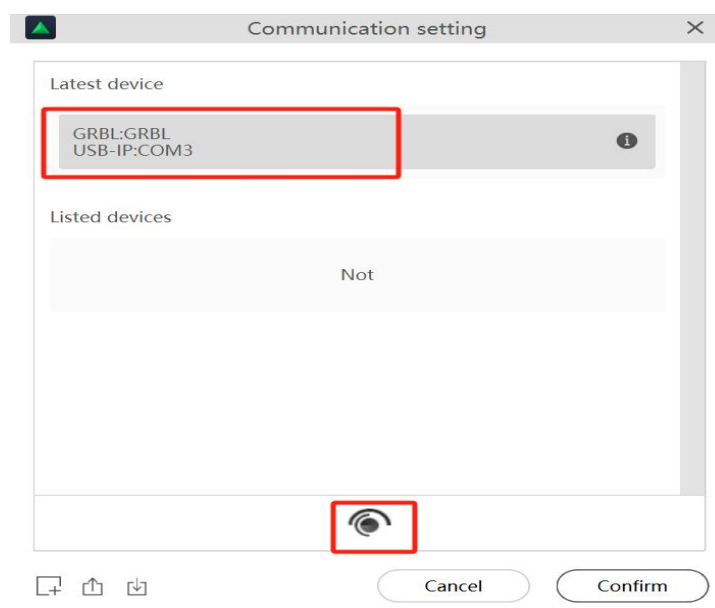
**Connect in the Software:**

4.4 Click “Add Device” to enter the device connection window.



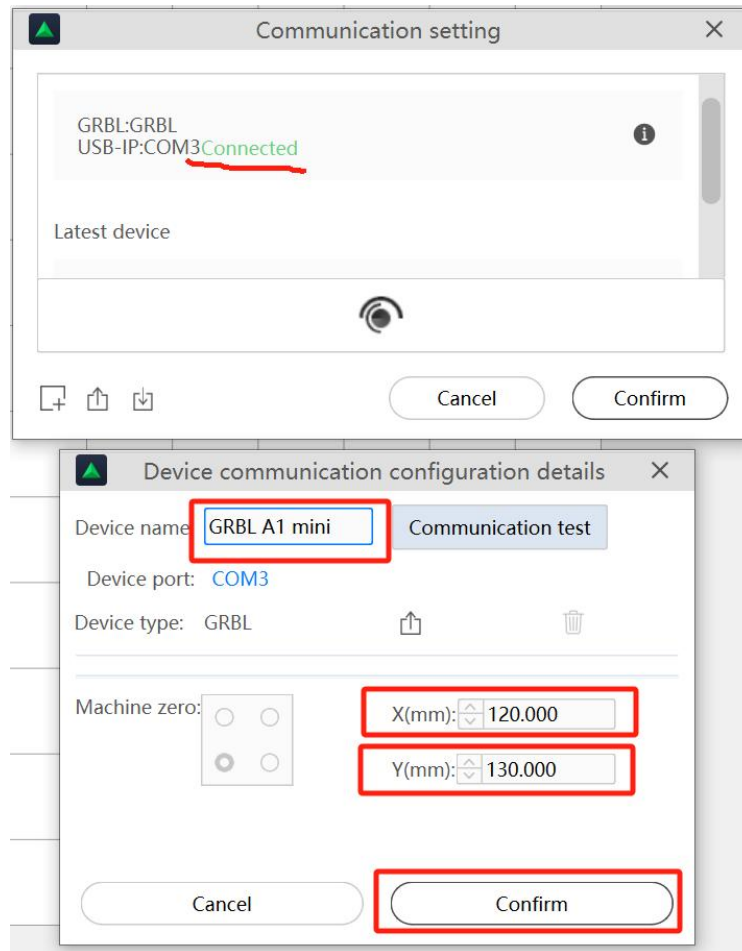


4.5 The icon below will rotate for about 3–5 seconds while the system automatically searches for devices (no user action required). Once the search is complete, double-click the detected device to connect.



4.6 After the device is successfully connected, the system will automatically proceed to the next window. Here, you can set the machine model (such as A1 Mini) and the working area (such as X = 120 mm, Y = 130 mm), then click “Confirm” to save the parameters.

Please note that the parameter settings should be based on the actual machine configuration.



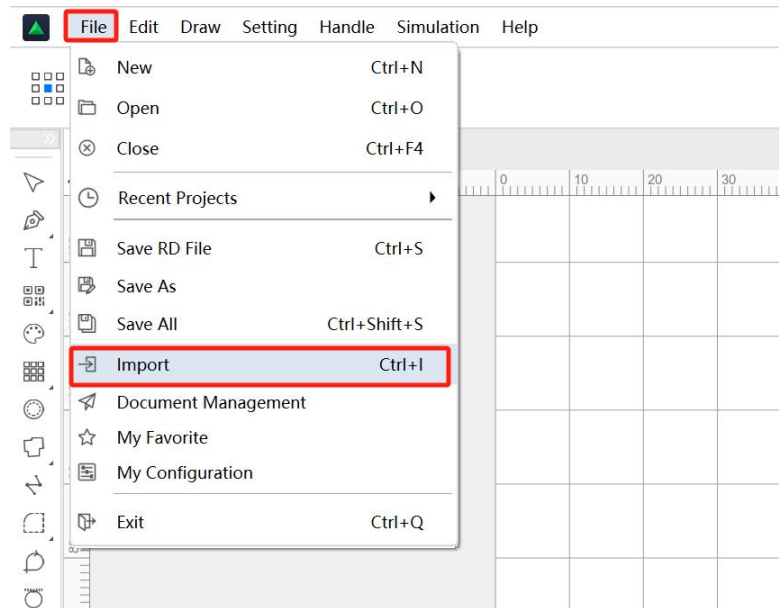
## 5. Basic operation process

### Create / Import a Design:

5.1 Use the built-in tools to draw shapes and add text.

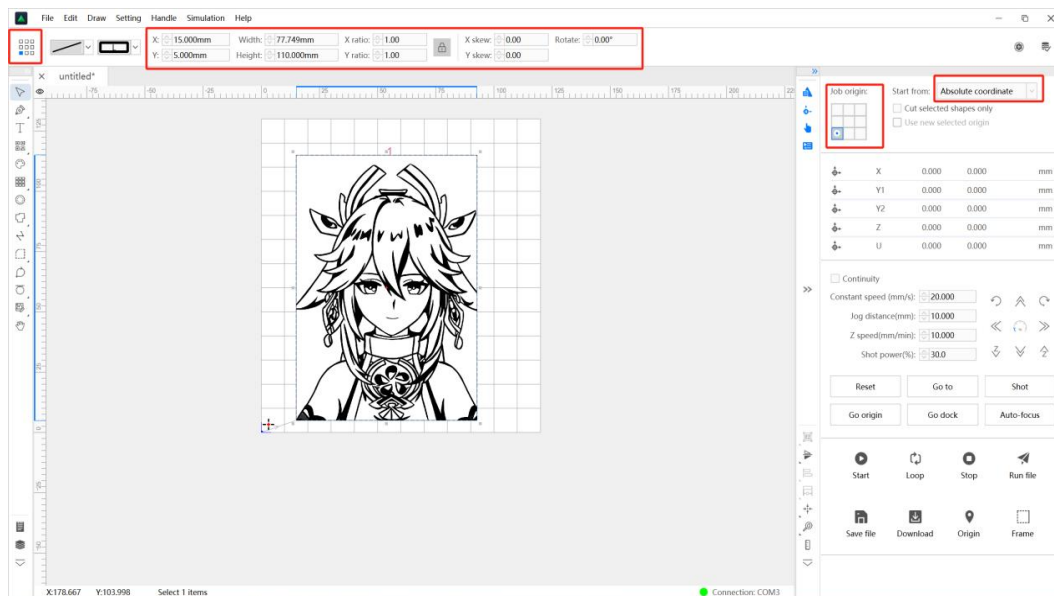
5.2 Alternatively, go to “File” > “Import” to bring in existing documents.

The software supports common vector formats (such as .svg, .dxf, .ai) and bitmap formats (such as .png, .jpg, .bmp).

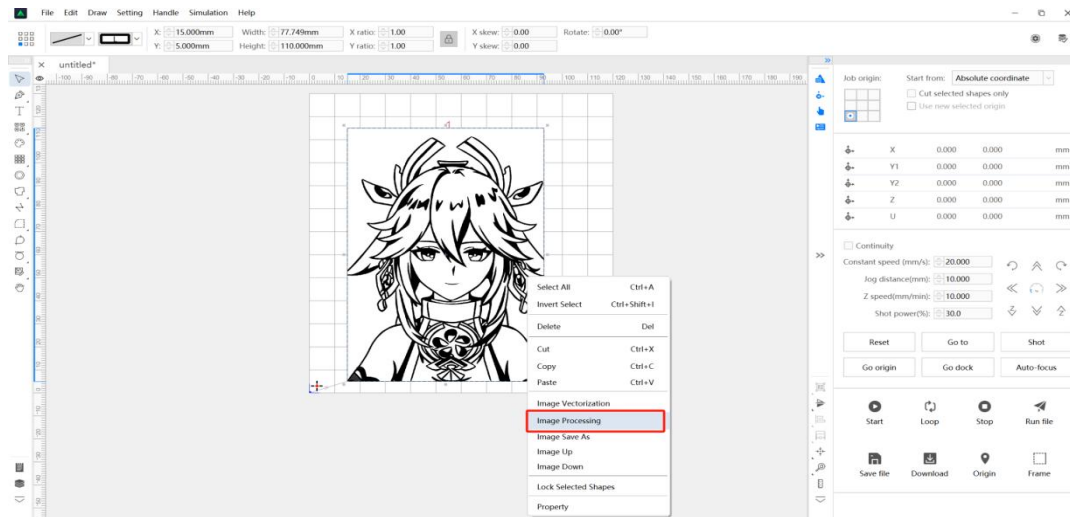


## Editing and typesetting:

5.3 Adjust the size, position, and rotation of the design elements within the workspace.



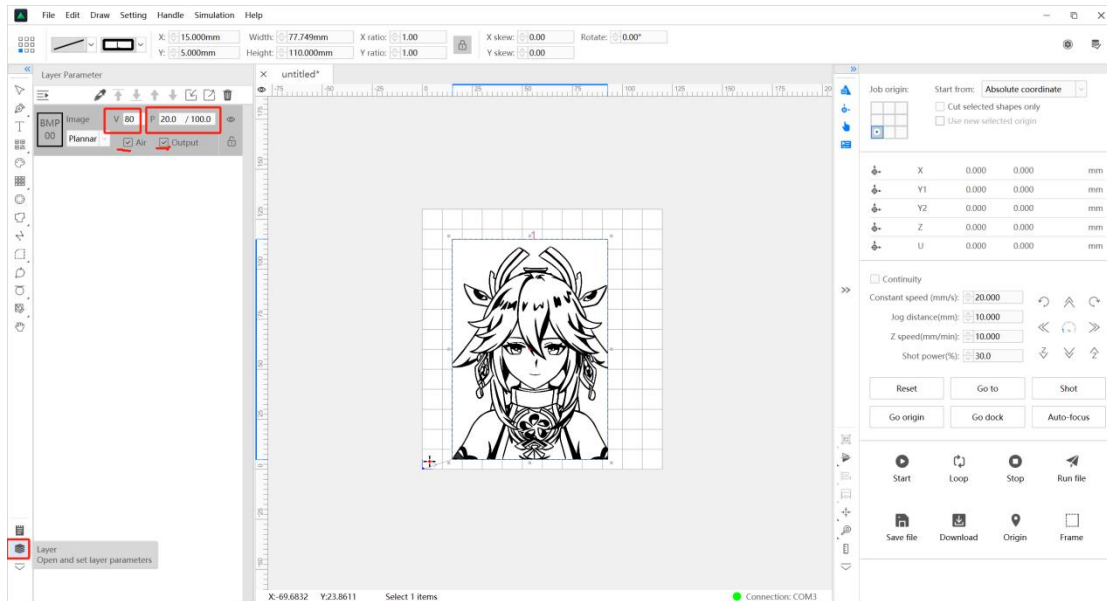
5.4 After selecting the image, right click and find "Image Processing" to adjust the image parameters.



## 5.5 Set engraving parameters (core steps)

Please select the layer or object you want to engrave.

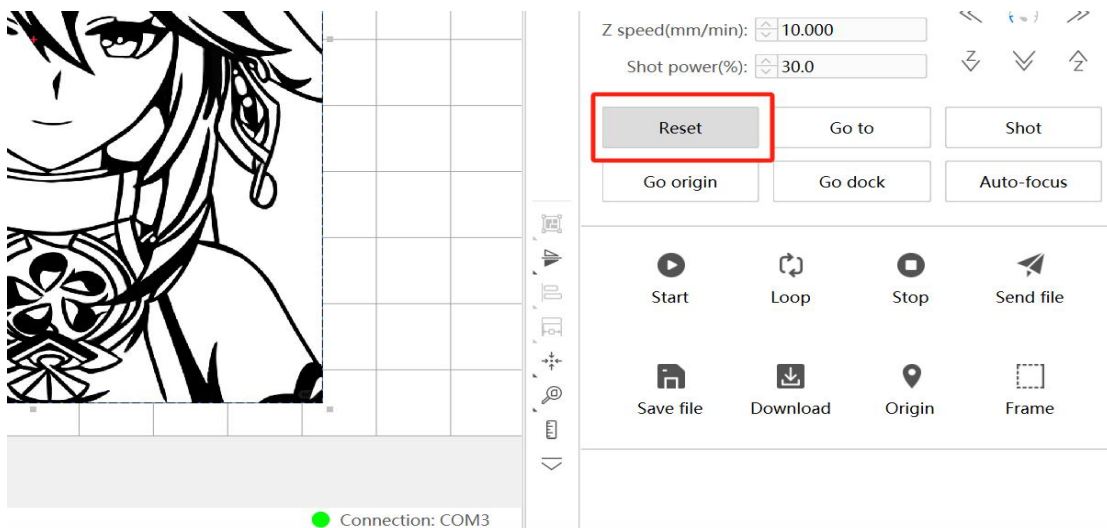
In the layer panel, adjust the “Power Range” and “Speed (mm/s)”



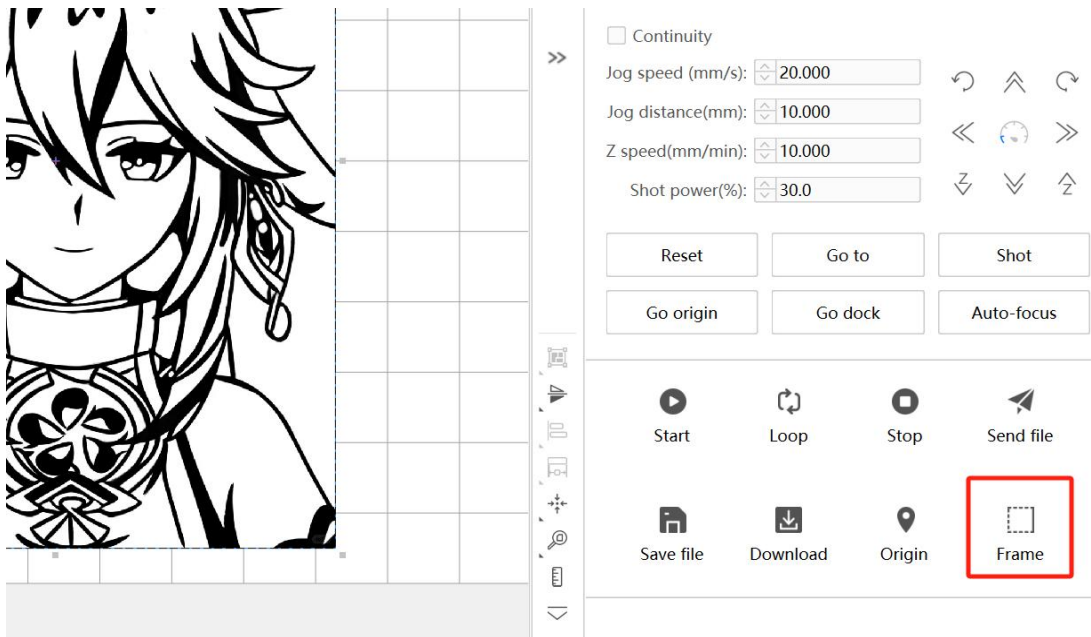
**Tip:** Parameters vary depending on the material and equipment. **Always** start testing with low power and low speed!

## 5.6 Reset, preview and "Engraving":

5.6.1 Use the “**Reset**” function to return the laser head to the home (origin) position.



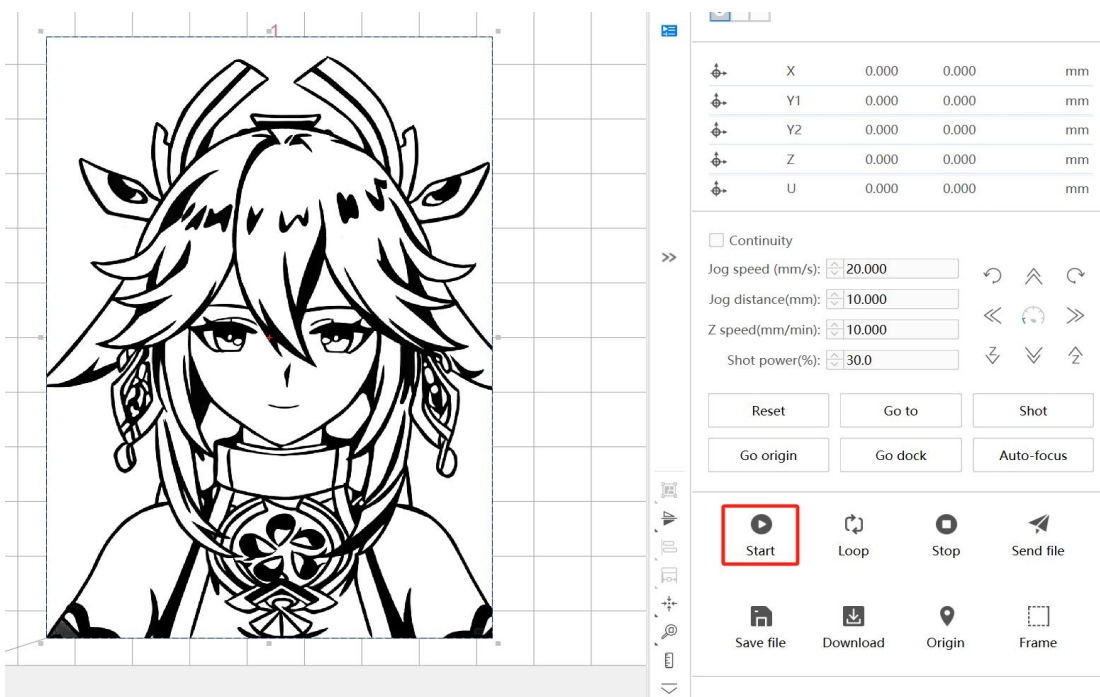
5.6.2 Use the “**Preview**” function to check the laser head’ s movement path and confirm that it is safe.



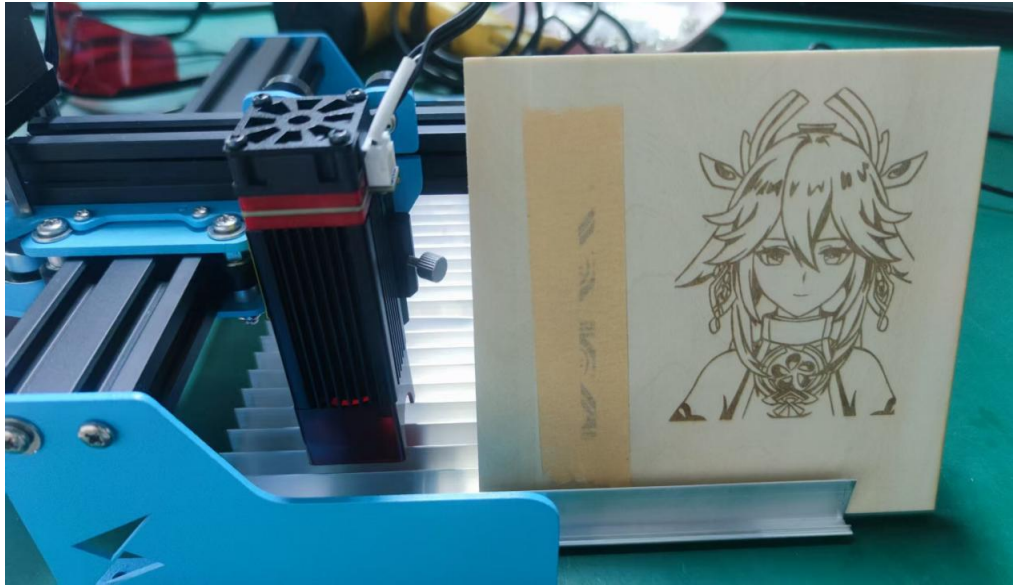
### 5.6.3 Start Engraving

Secure the material to the workbench.

Click the “**Start**” button and closely monitor the engraving process.



### 5.6.4 Engraving effect display



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## 6. Internal testing feedback channel

Your feedback is our most valuable asset!

If you encounter any issues or have suggestions, please feel free to contact us through the following channel:

**Feedback Email :** [cs@tyvok.com](mailto:cs@tyvok.com)

To help us assist you more efficiently, please provide as much of the following information as possible when submitting feedback:

Operating system version (e.g., Windows 11 22H2)

Software version number (e.g., V1.1.6)

Laser equipment model

A detailed description of the issue and the steps to reproduce it

If any errors occur, please attach relevant screenshots or videos

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**Thank you again for your participation and support!**