1. Visit the official website https://lightburnsoftware.com/ to download LightBurn. Notes: The free trial period of the software is 1 month. Visit https://lightburnsoftware.com/collections/frontpage/products/lightburn-gcode for permanent serial number.
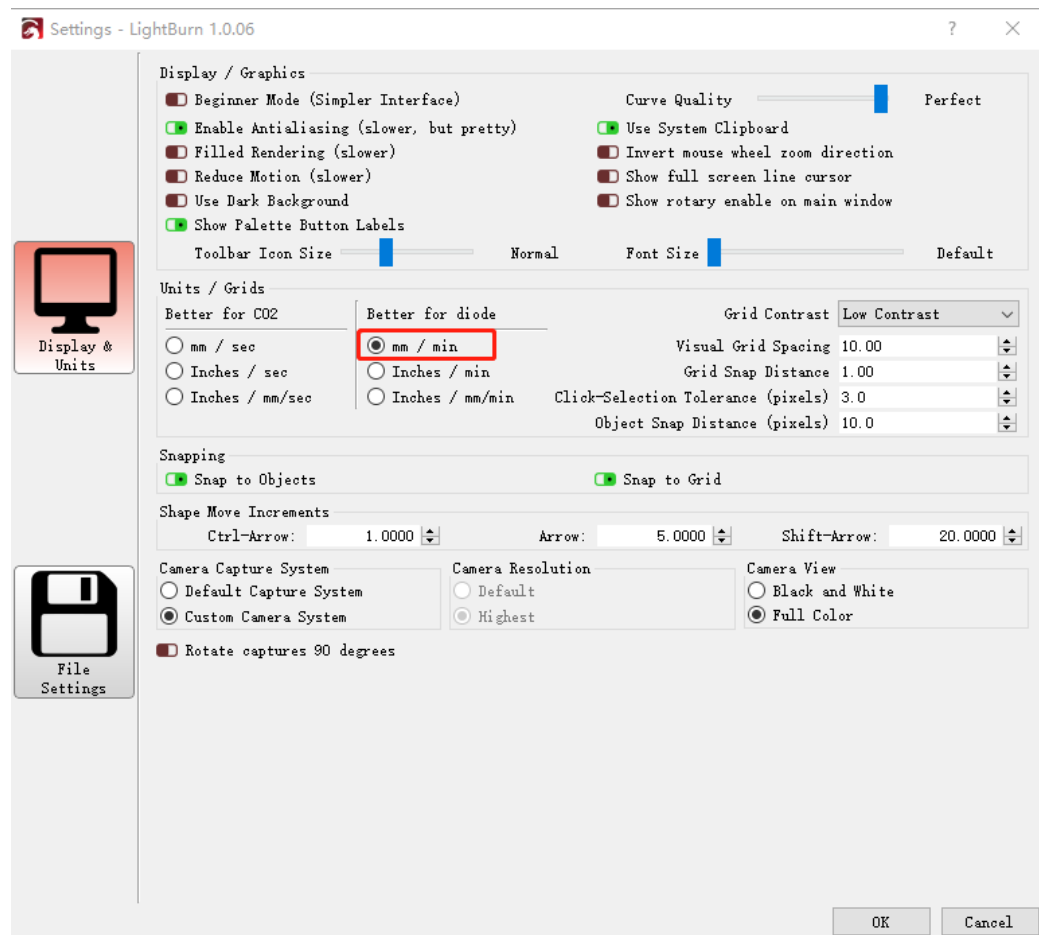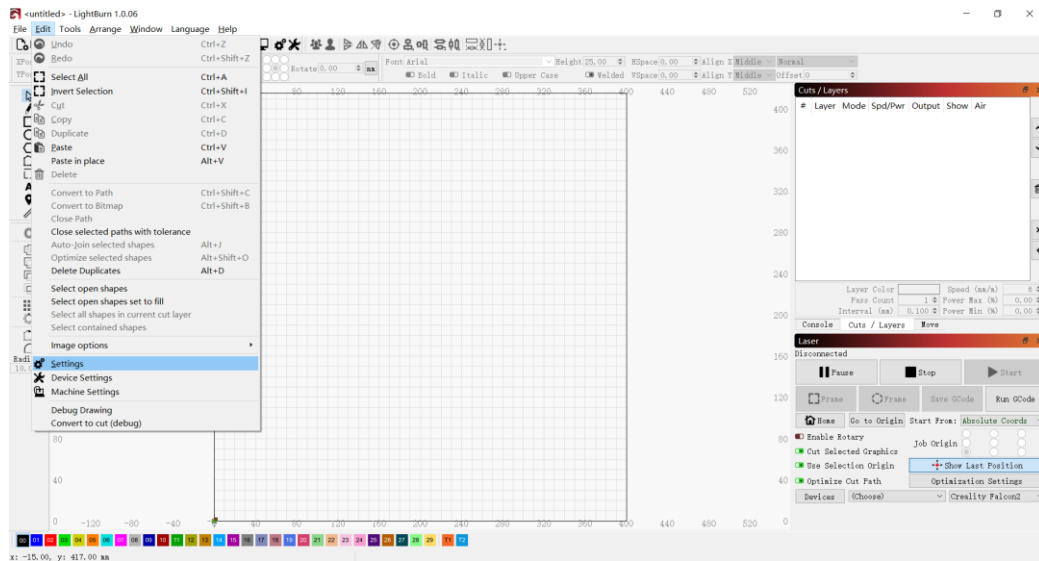
2. Open LightBurn after installation. Click "OK" to close the License Page .
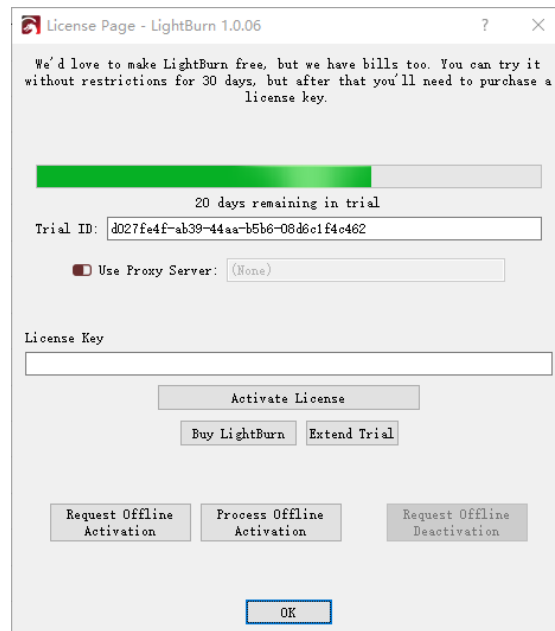
3. Import the .lbdev configuration file in the TF card. There is a corresponding machine in your device list after importing the configuration file. Select the machine and click OK to configure successfully.
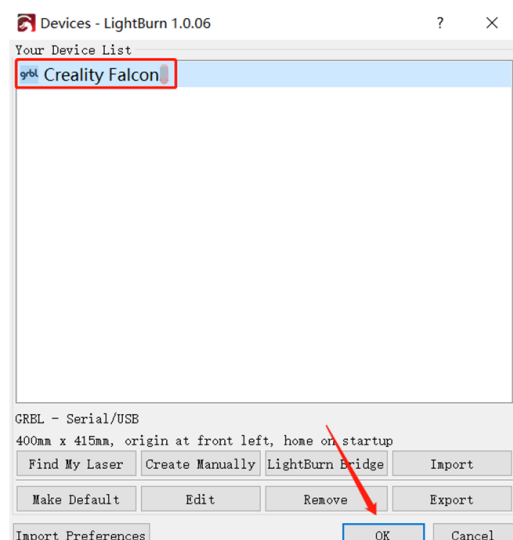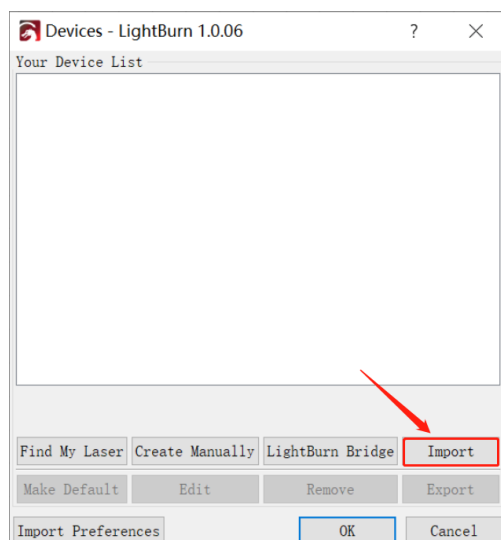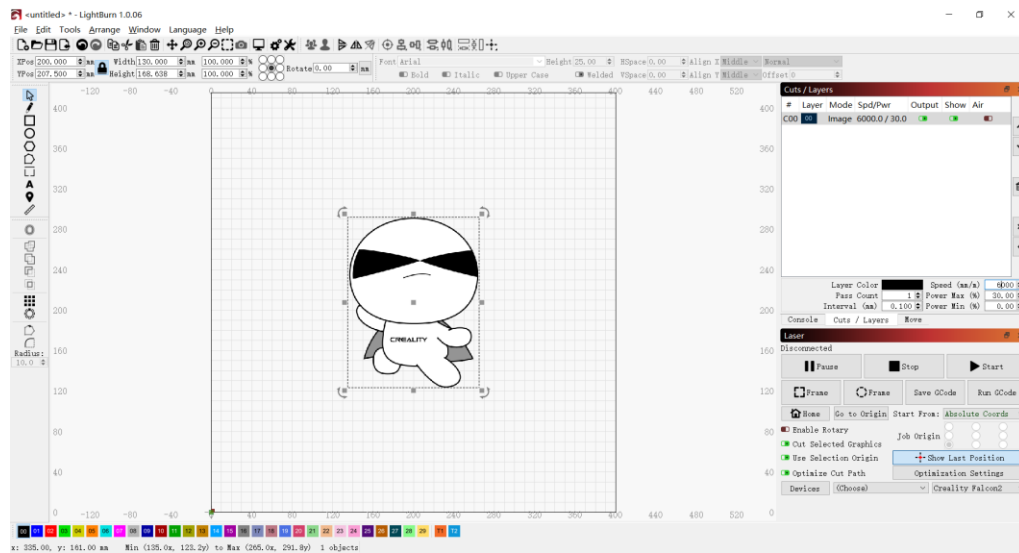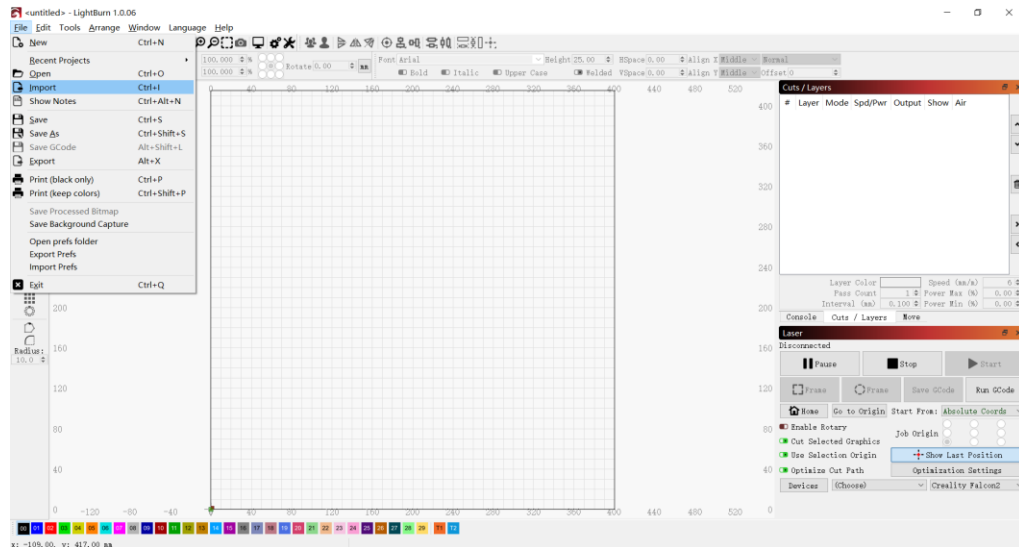

4. Click "Edit-Settings". Choose "mm/min" and click OK.

5. Click "File-Import" to import the picture. Set the position, size and rotation angle of the picture.

Tips: Usually import .dxf or .svg, and set "Mode" to "Line" in the Cuts/Layers window for cutting.

6. Right click on the image. Adjust Image to set the effect and click OK.
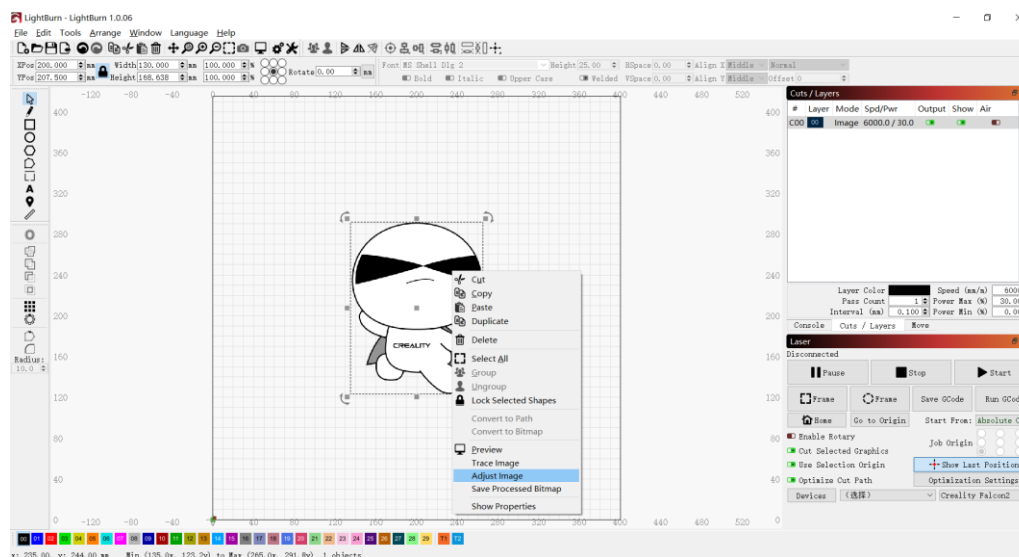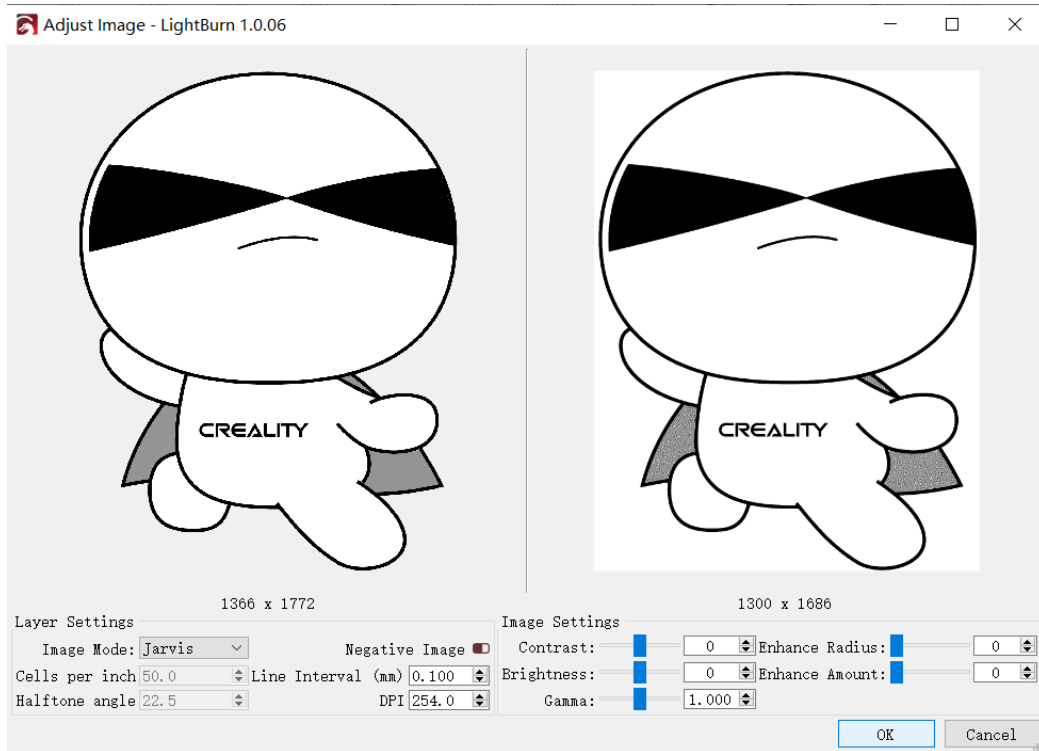
7. Set the appropriate Power %, Speed and Pass Count. Enable or disable "Air".
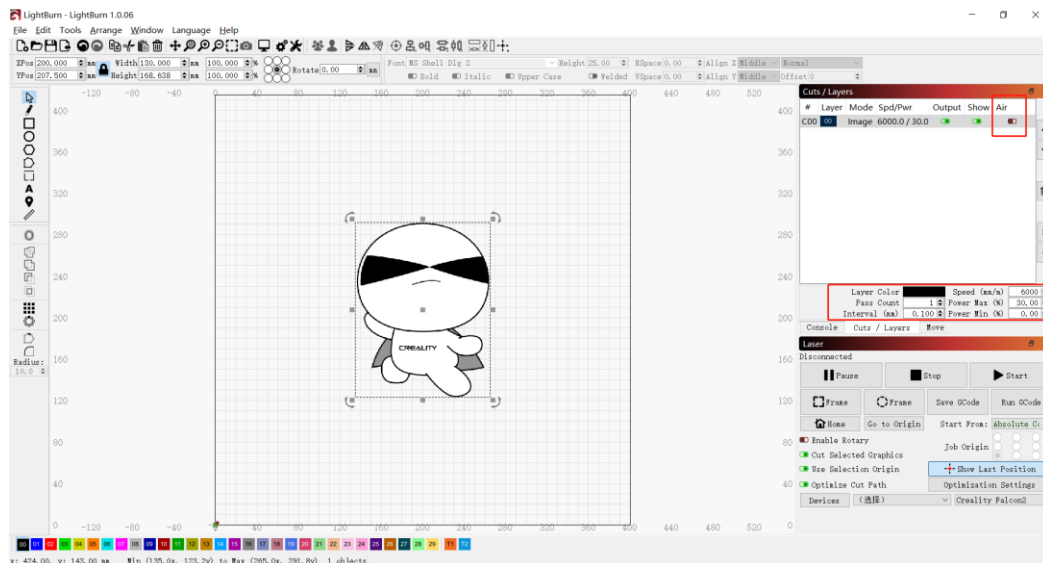
NOTES:

1. Higher power % or slower speed makes deeper effect; Lower power % or faster speed make shallower effect. Generally we just adjusted "Power Max" .Please refer to the TF card for recommended parameters.

2. Disable "Air" when engraving and enable "Air" when cutting.

8. Finally, click "File-Save GCode" to save the gcode file to the root directory of TF card.

Note: Make sure the format of exported file is ".gcode". If not, modify the suffix

to ".gcode" manually.
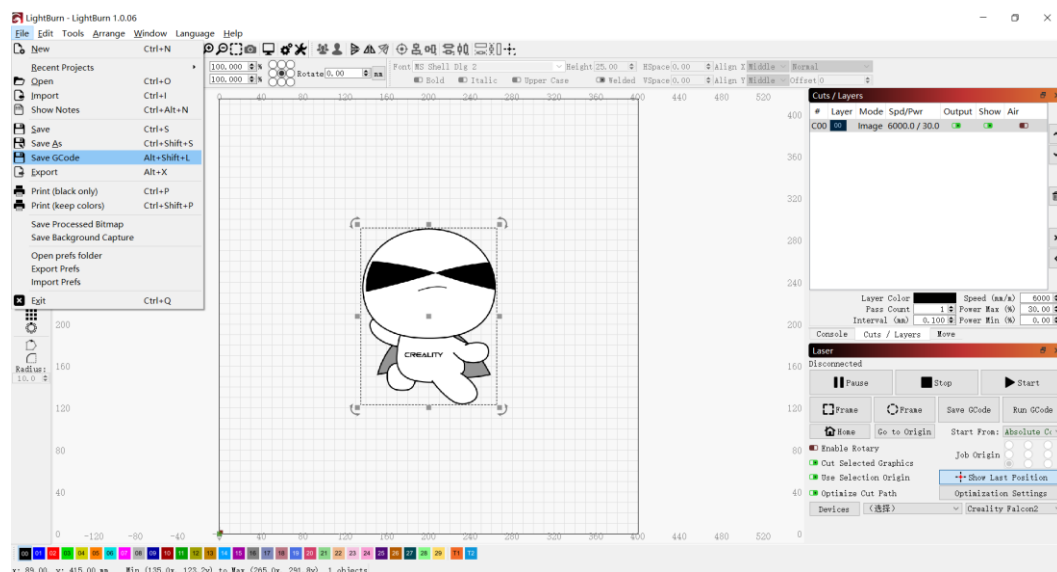
9. You can also connect the engraving machine through Type-C to engrave in real time and you should select the corresponding Com port.
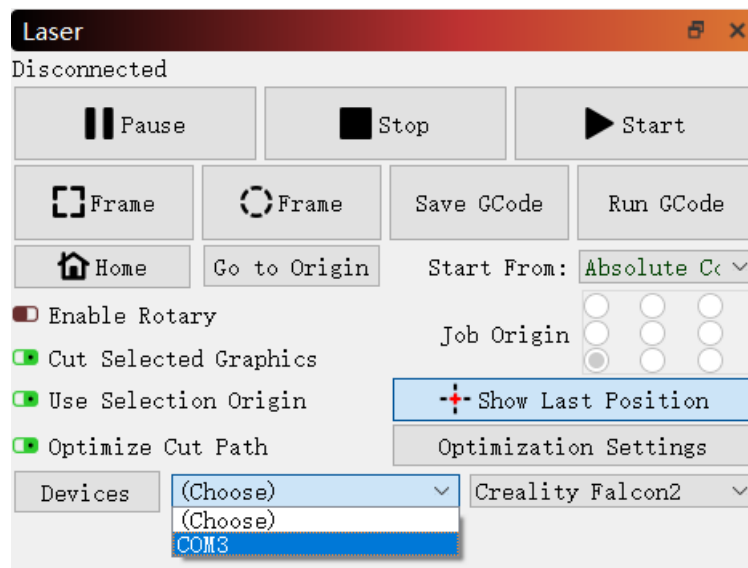
Notes: Hold down Shift and click "Frame" to preview the frame. You can set the power in "Move" (You need to "Enable laser fire button" in "Edit-Device Settings" and restart LightBurn first).

Device settings for Creality Falcon2 - LightBurn 1.0.06

Basic Settings | GCode | Additional Settings

Working Size
Width 400.0mm
Height 415.0mm

Origin

Laser Offset
Enable pointer offset
X 0.00mm   Y 0.00mm

Z Axis Control
Enable Z axis
Reverse Z direction
Relative Z moves only
Optimize Z moves

Scanning Offset Adjust
Enable Scanning Offset Adjustment

Speed | Line Shift | Initial Offset

Other options
Tab Pulse Width (mm) 0.050
Auto-home on startup
Fast Whitespace Scan
0 mm/min
Enable $J Jogging
Enable DTR signal
Use G0 moves for overscan
Enable laser fire button
Enable 'Out of Bounds' warning
Return to Finish Position
X:0.0   Y:0.0
Air Assist
○ M7   ● M8
S-value max 1000
Baud Rate 115,200
Transfer mode Buffered

Add | Delete
Import | Export

OK | Cancel
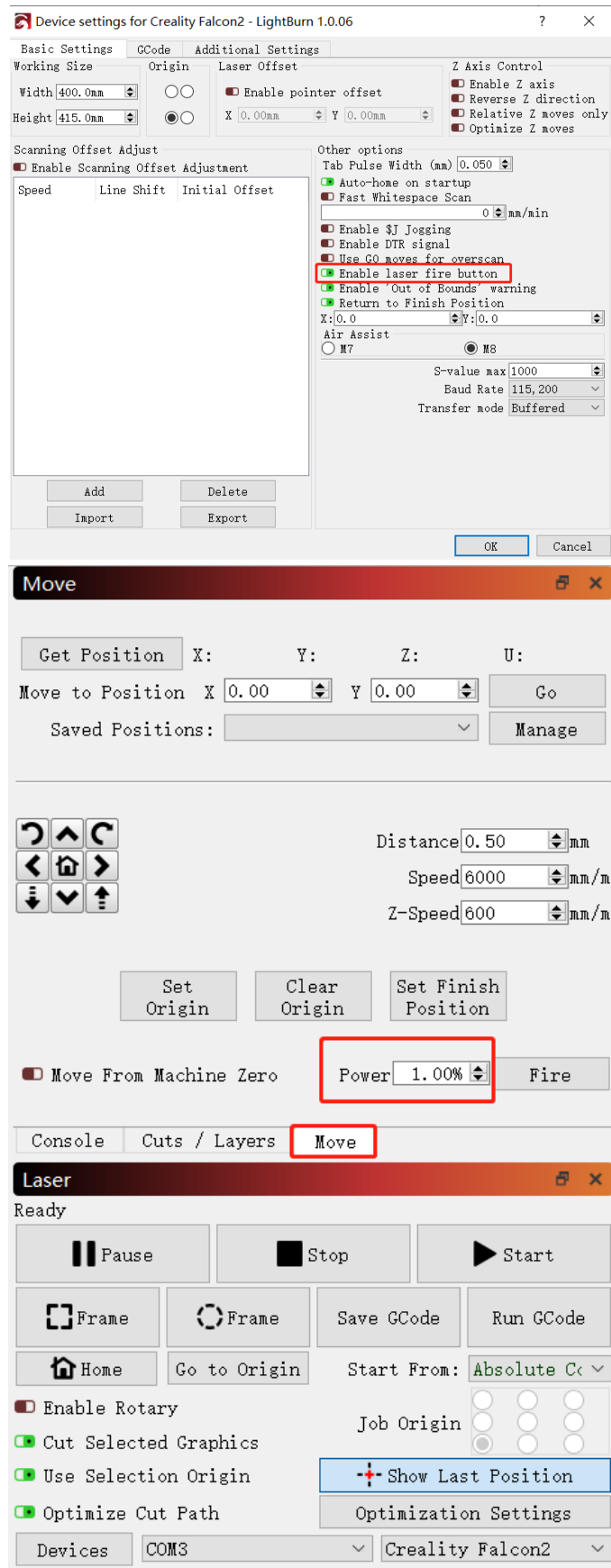

Move

Get Position   X: Y: Z: U:

Move to Position   X 0.00   Y 0.00   Go

Saved Positions: Manage

Distance 0.50 mm
Speed 6000 mm/m
Z-Speed 600 mm/m

Set Origin | Clear Origin | Set Finish Position

Move From Machine Zero   Power 1.00%   Fire

Console | Cuts / Layers | Move

Laser

Ready

❚❚ Pause | ■ Stop | ▶ Start

[ ] Frame | ( ) Frame | Save GCode | Run GCode

🏠 Home | Go to Origin | Start From: Absolute Co

Enable Rotary
Cut Selected Graphics   Job Origin
Use Selection Origin
Optimize Cut Path   Show Last Position
                            Optimization Settings

Devices | COM3 | Creality Falcon2

Refer to the website https://lightburnsoftware.github.io/NewDocs/ for detailed software tutorials.

Others

1. If the line cannot be closed, you can set "Overcut" in Cut Settings Editor.