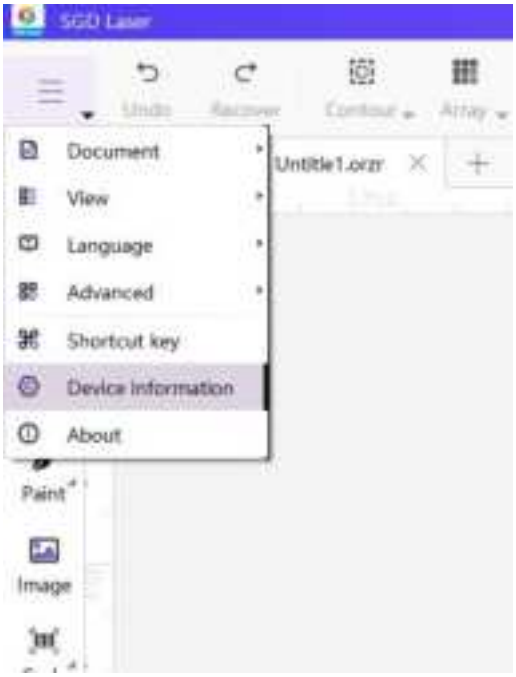
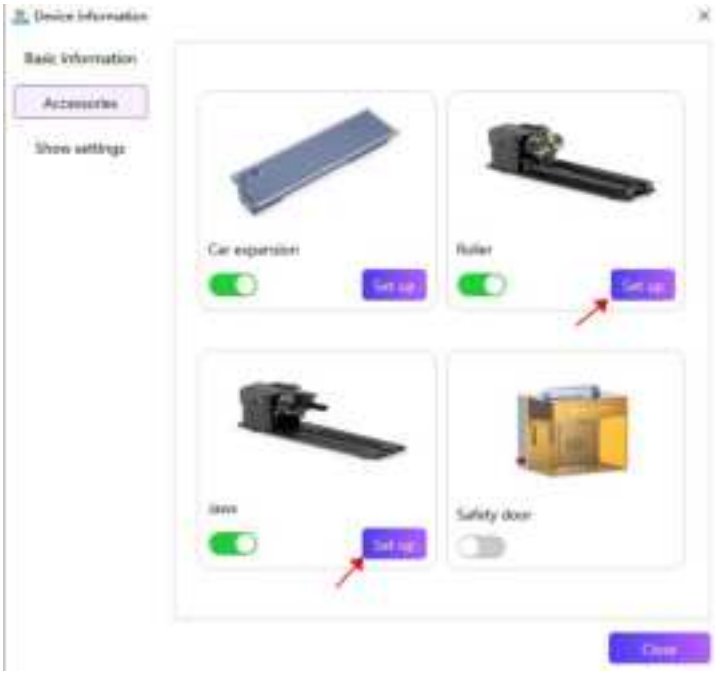
1. Software Settings

Open the SGD Software and connect the G9 machine to the computer with a USB cable. After successful connection, you can select "Device information" to check the basic information, modify accessories and display settings. The accessory information needs to be configured when using the roller or chuck to engrave, meanwhile, **Safety Door** should be in a closed status. **PLEASE NOTE that the slide extension is prohibited for hot-swap use and must be connected when the G9 machine is off.**

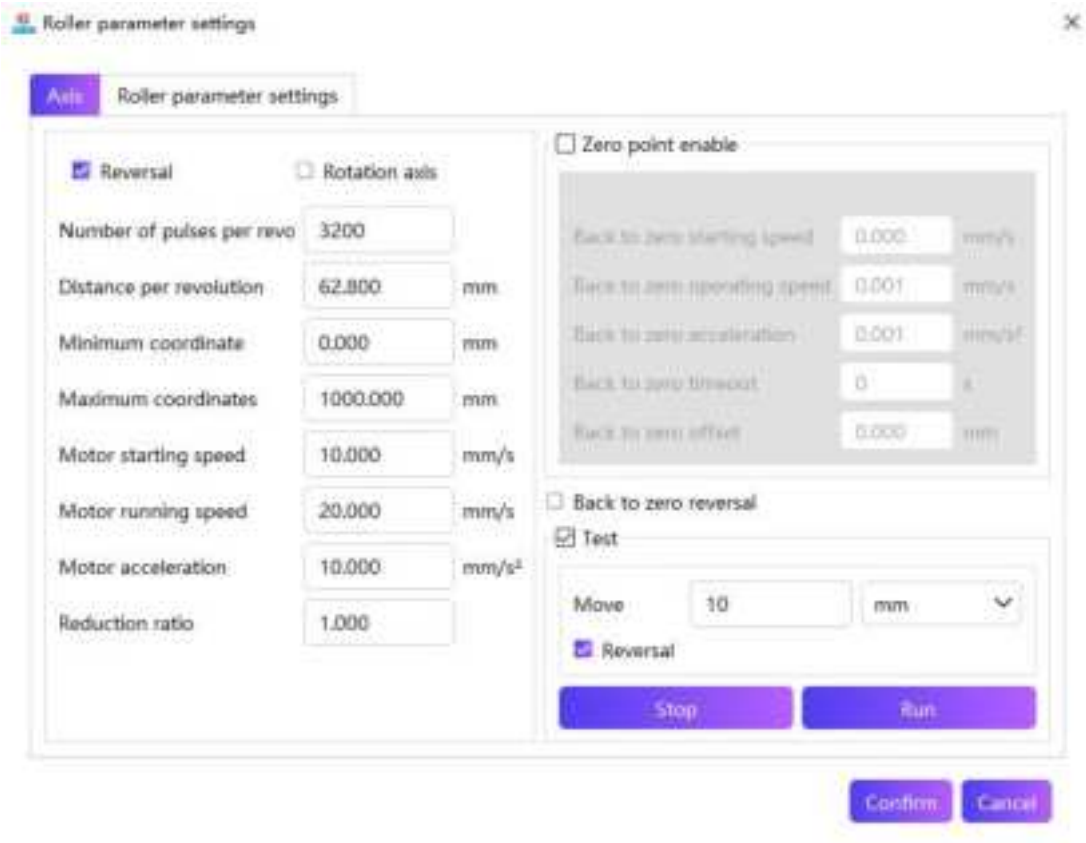


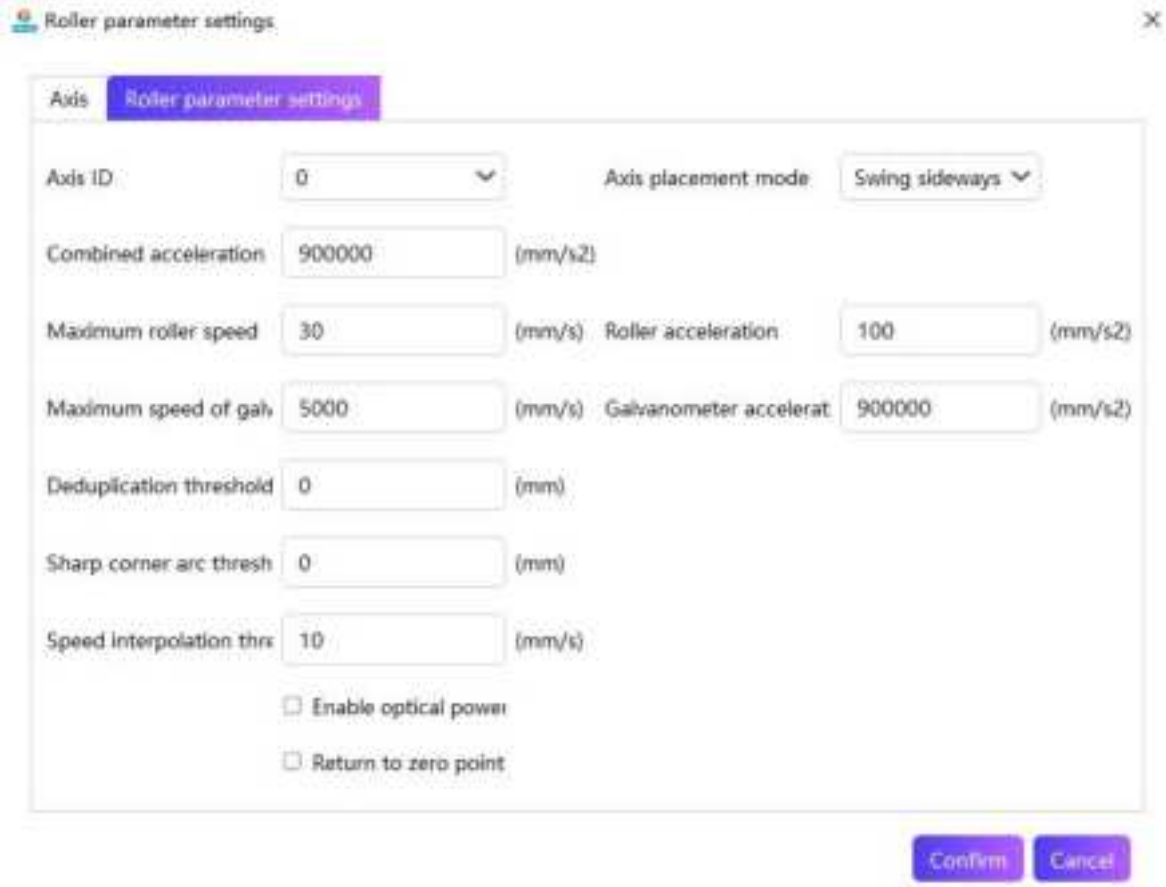


User Password: sculpfun001

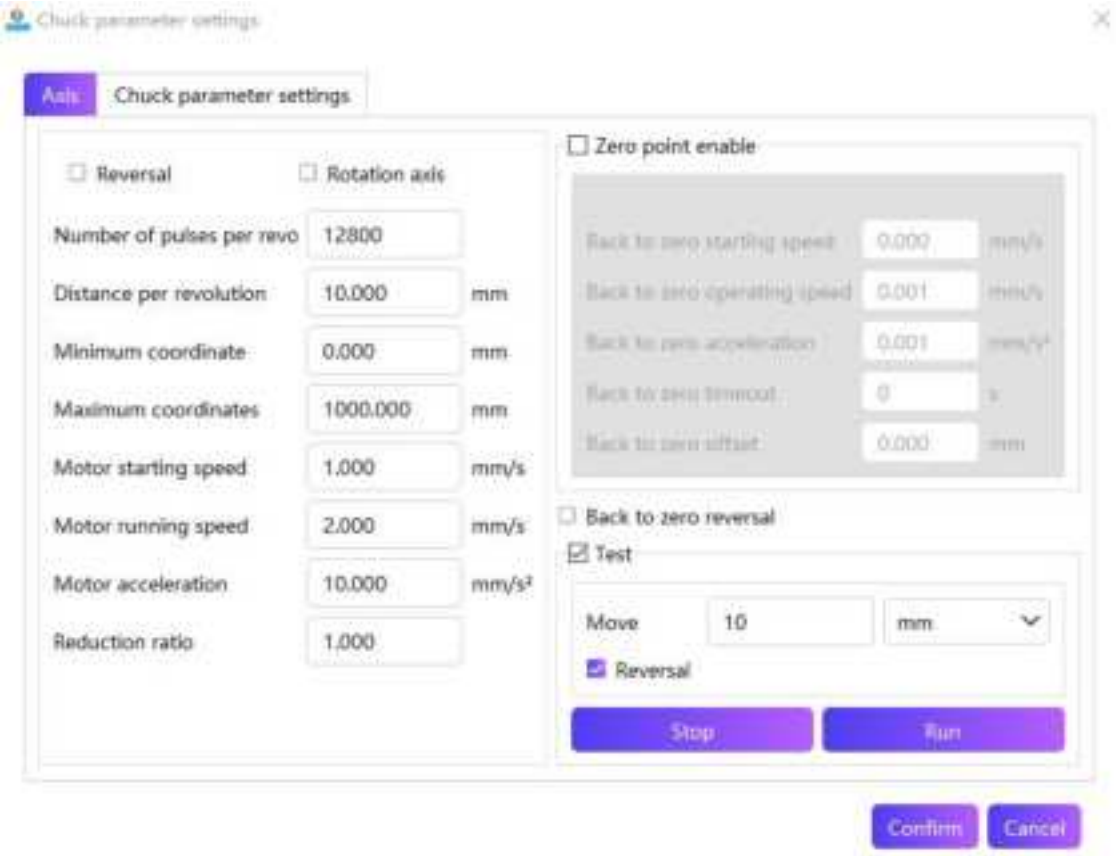
The parameters are modified as follows

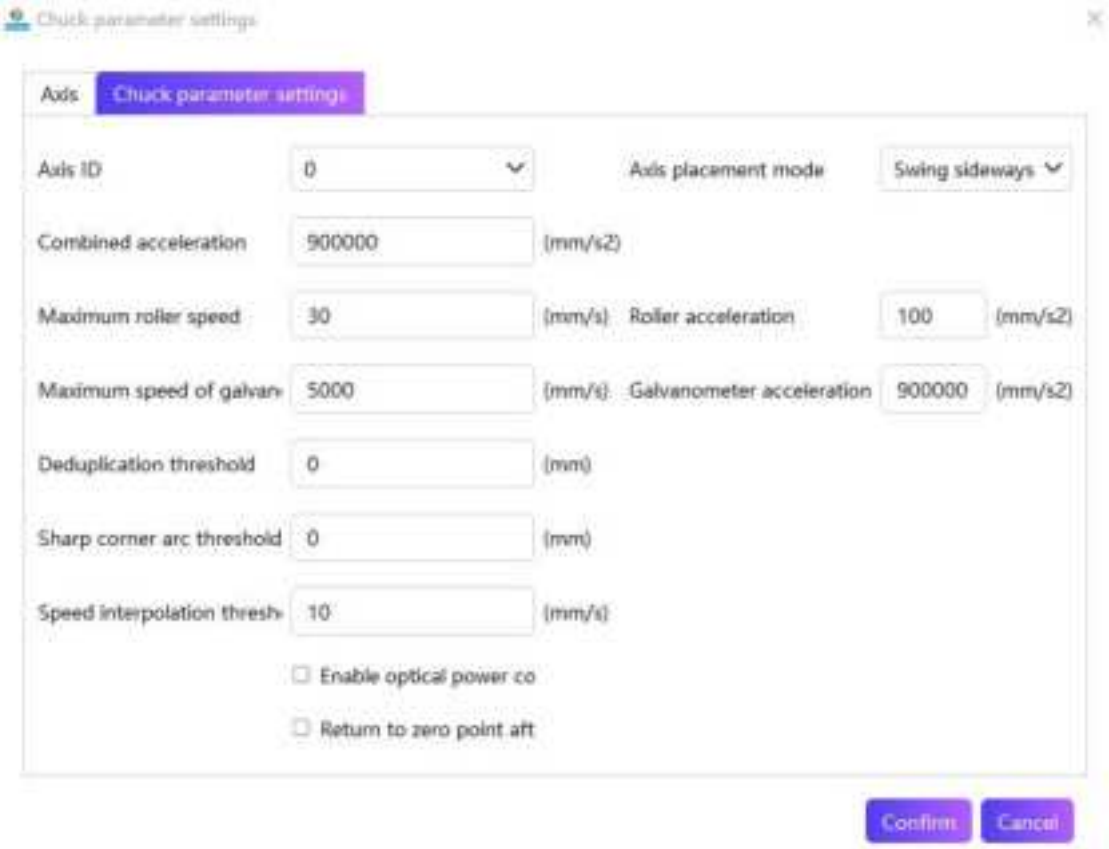
Roller




Roller parameter settings
Axis
Roller parameter settings
Axis ID
0
Axis placement mode
Swing sideways
Combined acceleration
900000
(mm/s2)
Maximum roller speed
30
(mm/s)
Roller acceleration
100
(mm/s2)
Maximum speed of gal
5000
(mm/s)
Galvanometer accelerat
900000
(mm/s2)
Deduplication threshold
0
(mm)
Sharp corner arc thresh
0
(mm)
Speed interpolation thr
10
(mm/s)
Enable optical power
Return to zero point
Confirm
Cancel

Chuck


Axis
Chuck parameter settings
Reversal
Rotation axis
Number of pulses per revo
12800
Distance per revolution
10.000
mm
Minimum coordinate
0.000
mm
Maximum coordinates
1000.000
mm
Motor starting speed
1.000
mm/s
Motor running speed
2.000
mm/s
Motor acceleration
10.000
mm/s²
Reduction ratio
1.000
Zero point enable
Back to zero reversal
Test
Move
10
mm
Reversal
Stop
Run
Confirm
Cancel

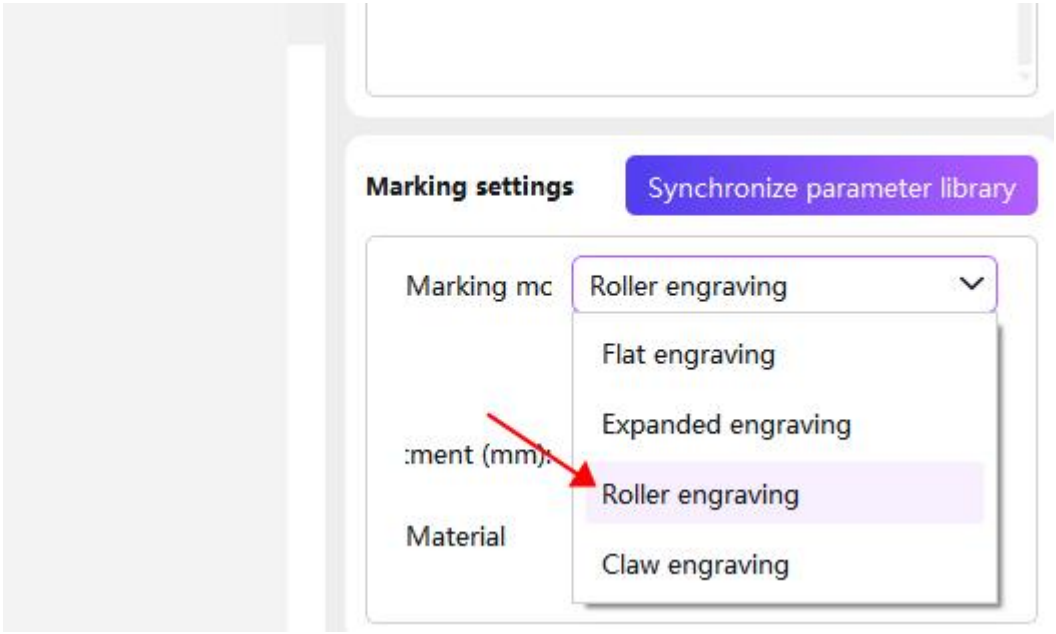

Chuck parameter settings
Axis
Chuck parameter settings
Axis ID
0
Axis placement mode
Swing sideways
Combined acceleration
900000
(mm/s2)
Maximum roller speed
30
(mm/s)
Roller acceleration
100
(mm/s2)
Maximum speed of galvan
5000
(mm/s)
Galvanometer acceleration
900000
(mm/s2)
Deduplication threshold
0
(mm)
Sharp corner arc threshold
0
(mm)
Speed interpolation thresh
10
(mm/s)
Enable optical power co
Return to zero point aft
Confirm
Cancel

2. Operating Steps

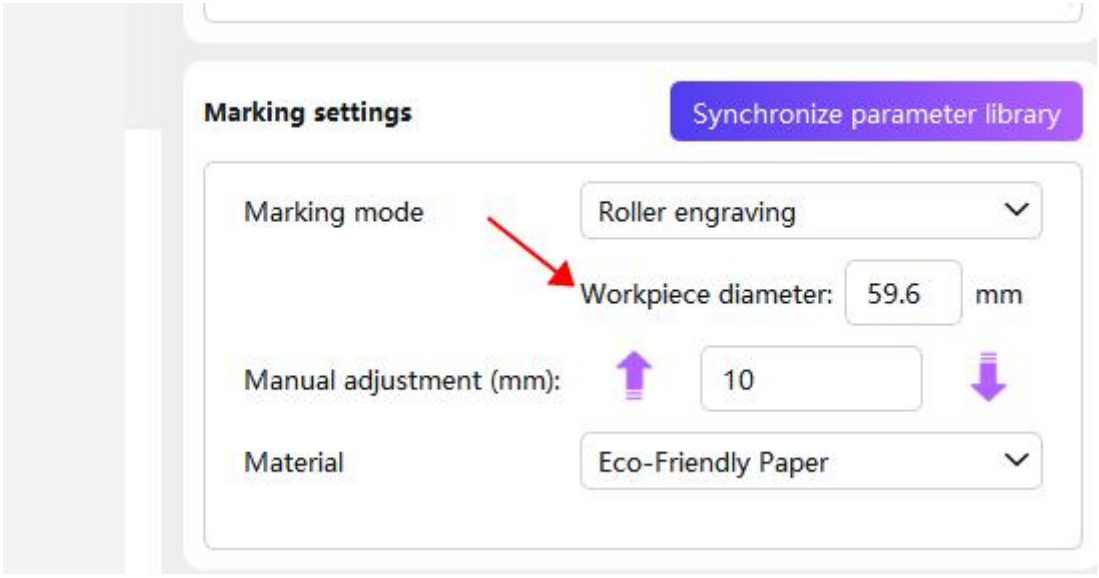
1. Roller Engraving

Step 1: Preparation

Create a new canvas. You can change the mode to "Roller engraving" in the lower right corner of the SGD software interface.

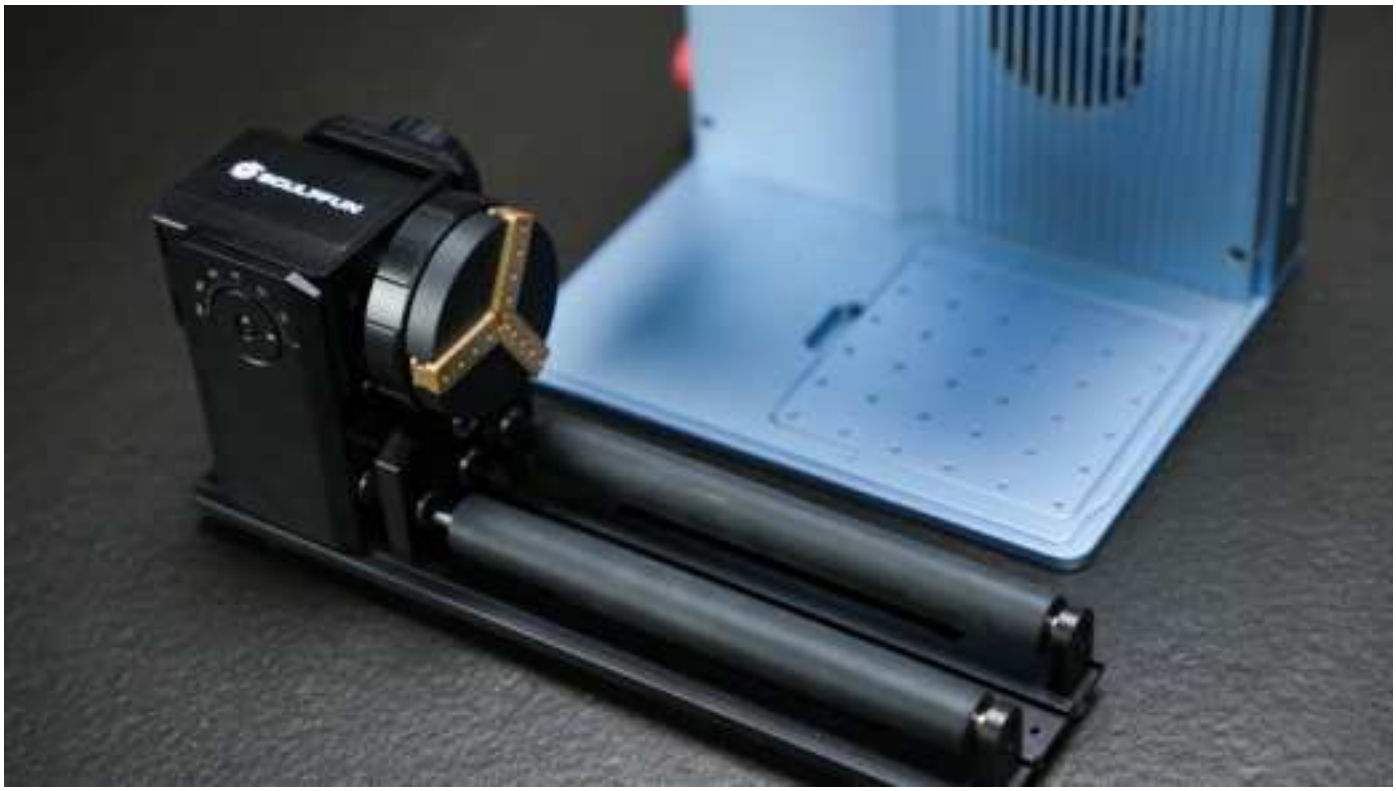


Measure the **Diameter** of the material in advance **(Note That It Is Not The Circumference)** and enter it into the software.

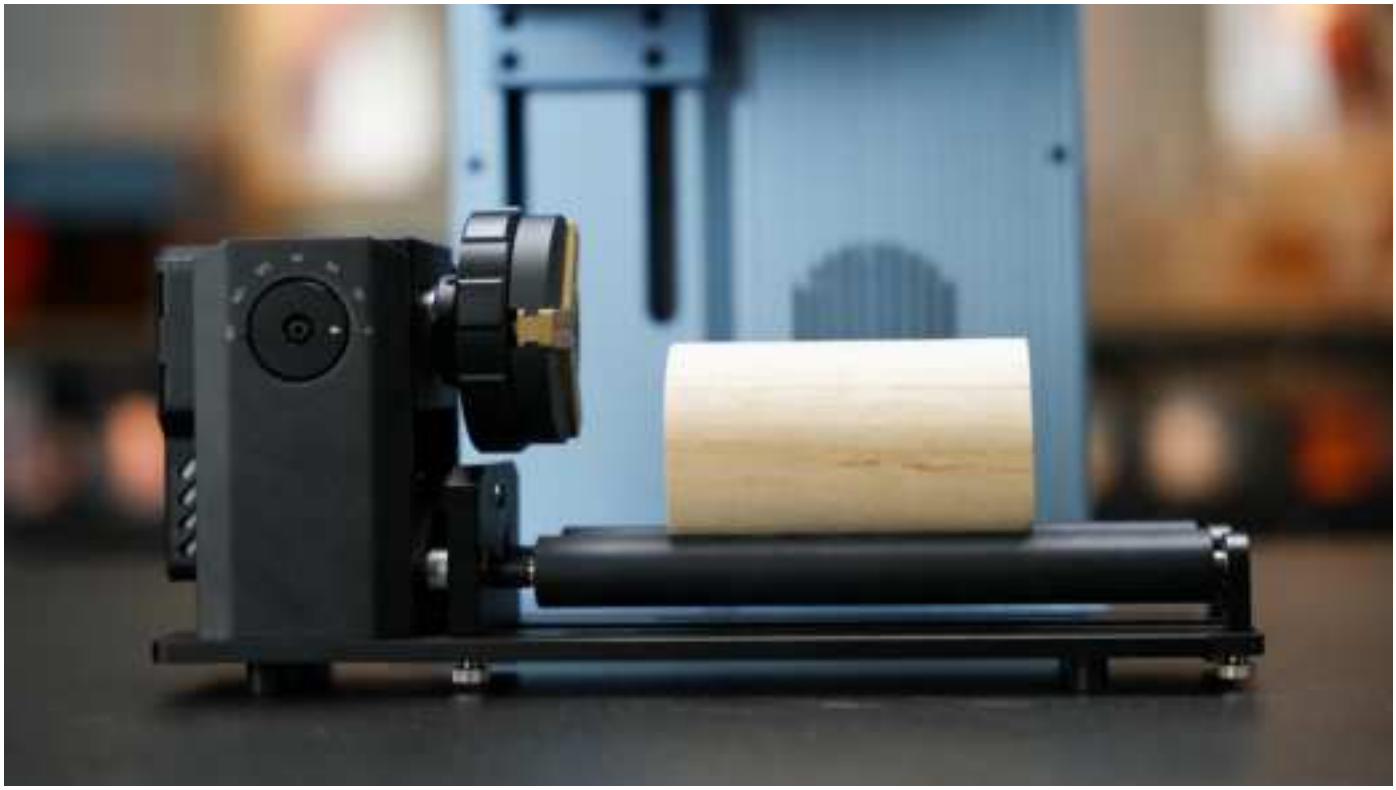


Step 2: Installation

1.Remove the Chuck and install the roller on it.



2.Place the materials on the rotary roller and put the roller accessory on the machine working platform.



Step 3: Connection

Use one end of the connection cable to connect the rotary roller accessory, and the other end to connect the accessory interface on the back of the G9 using an adapter cable. After that you can turn on the machine for use.

Step 4: Engraving

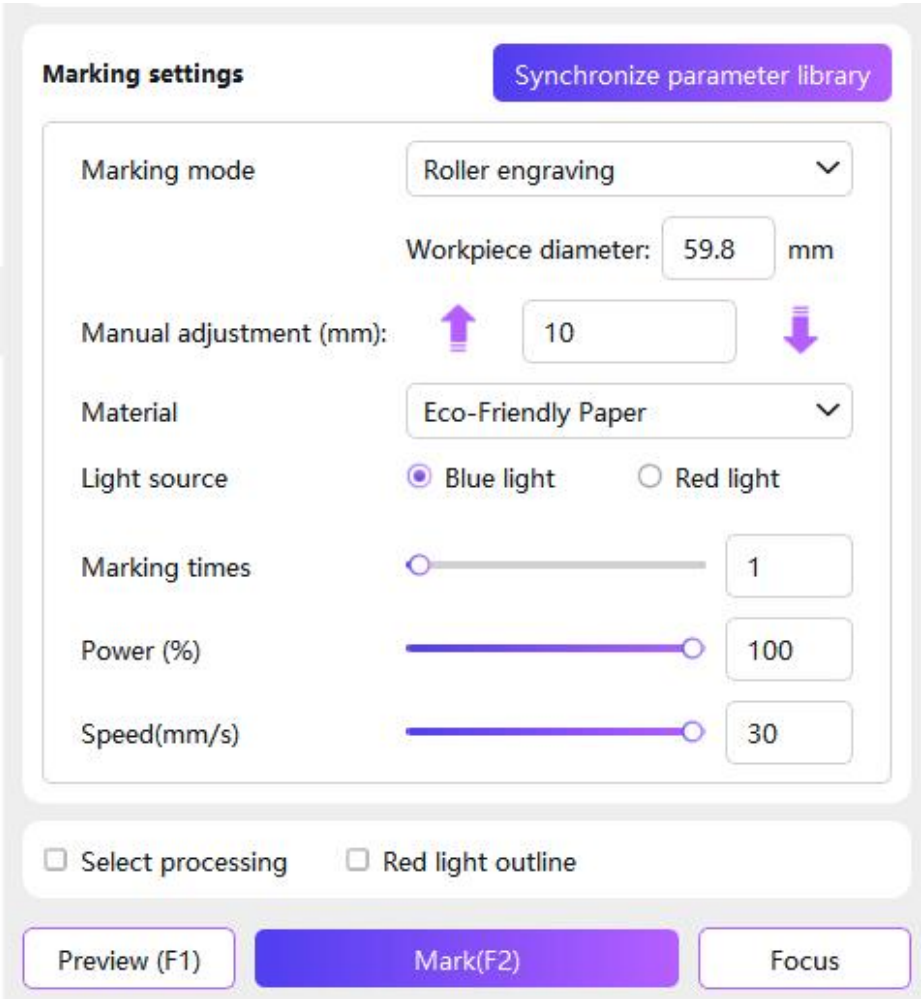
1. Focus

Place the rotary roller with materials on the machine working platform and click to focus. Red and blue dots will

appear on the materials, adjusting them with the electric lift button to make the two dots coincide to complete the focus. NOTE: To reach a better engraving effect, the rotation direction of the materials must be level with the y-axis direction of the laser engraver.

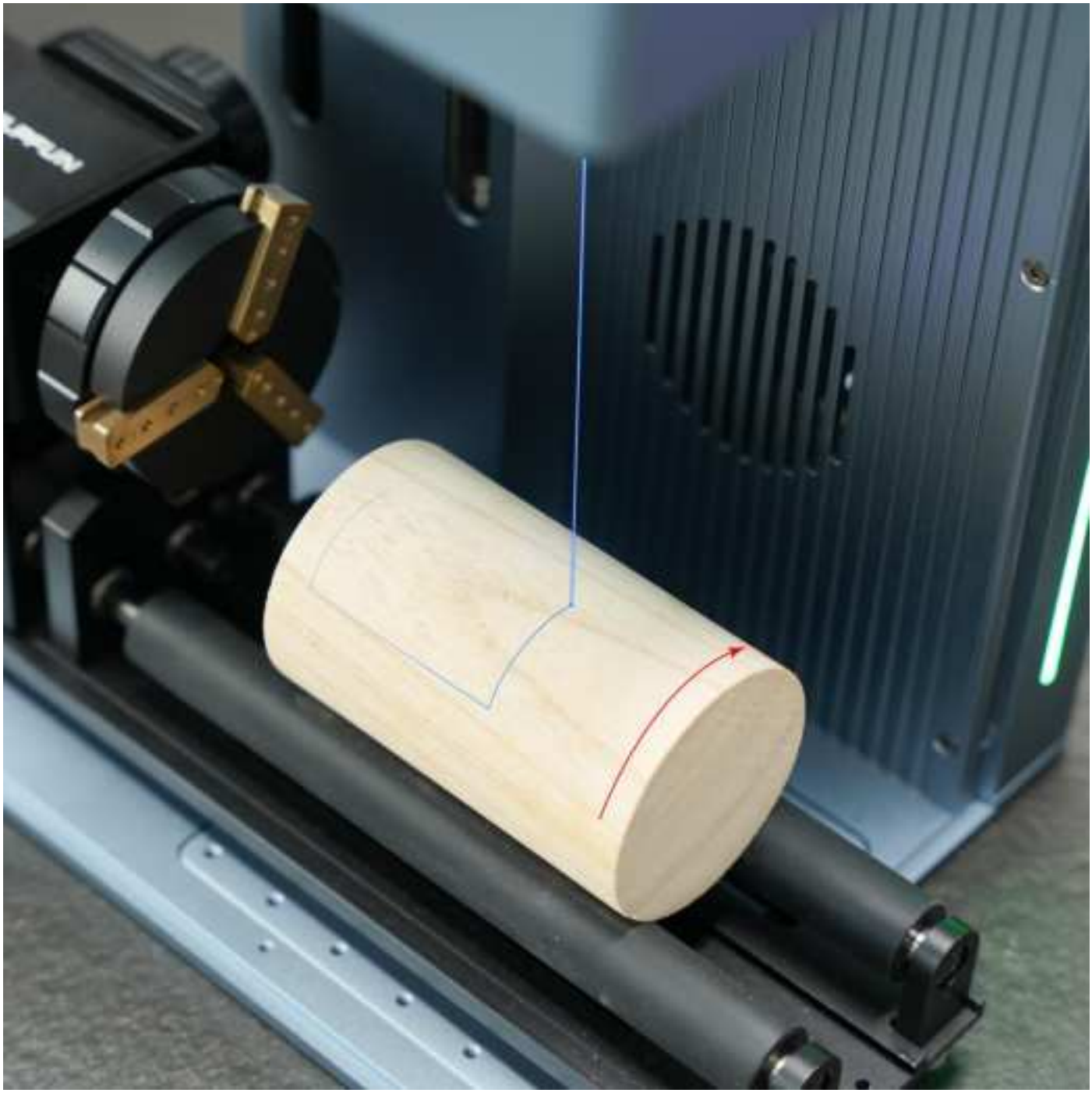
2. Parameters Settings

You can edit patterns or text on the canvas and select proper parameters according to the engraving content and materials. **In particular, the engraving effect of performing vector graphics lines using rotary roller is not well.**



3. Preview

Click on "Preview" to check the working range of the machine.



4. Start Engraving

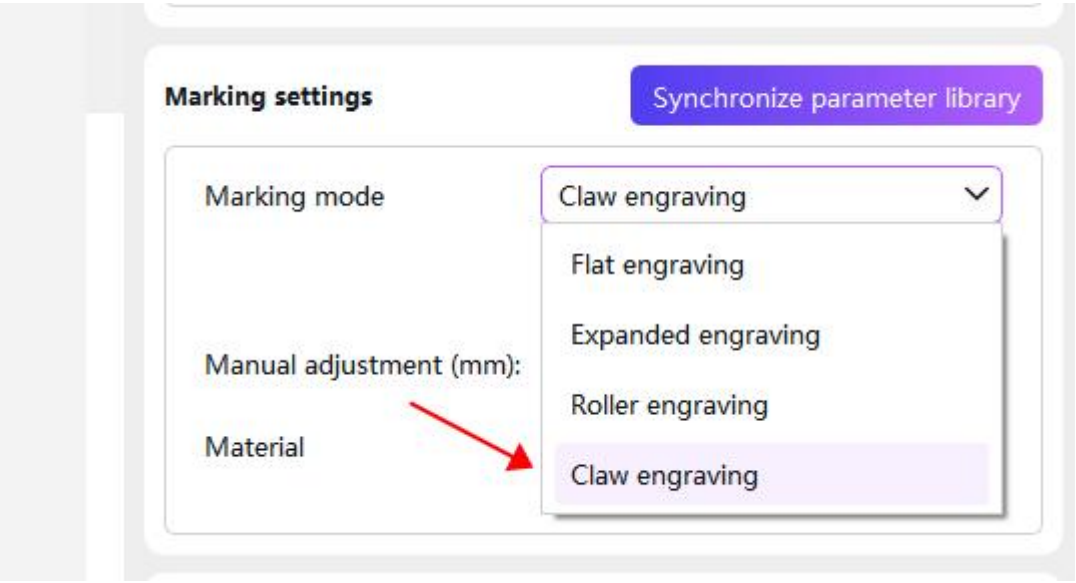
Click on "Mark" to start working.


SCULPFUN

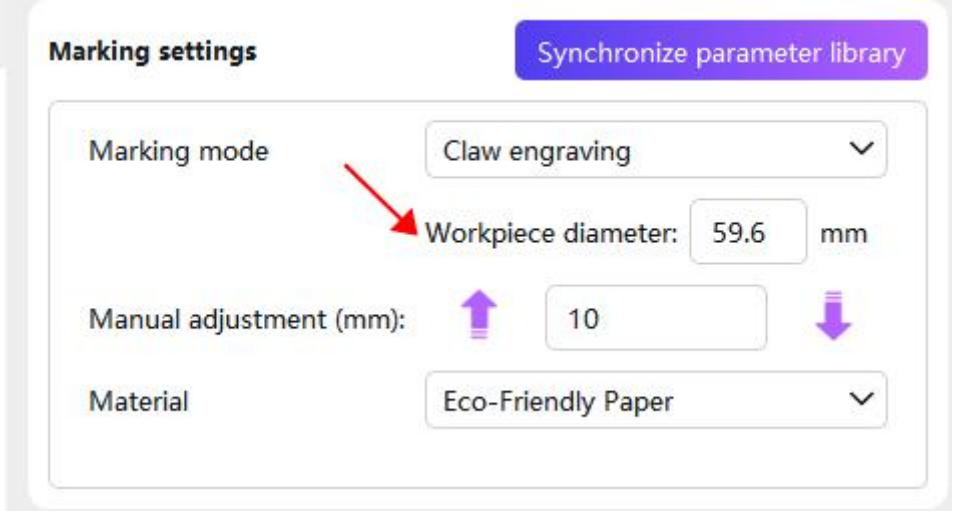
2. Chuck Engraving

Step 1: Preparation

Create a new canvas. You can change the mode to "Claw engraving" in the lower right corner of the SGD software interface.



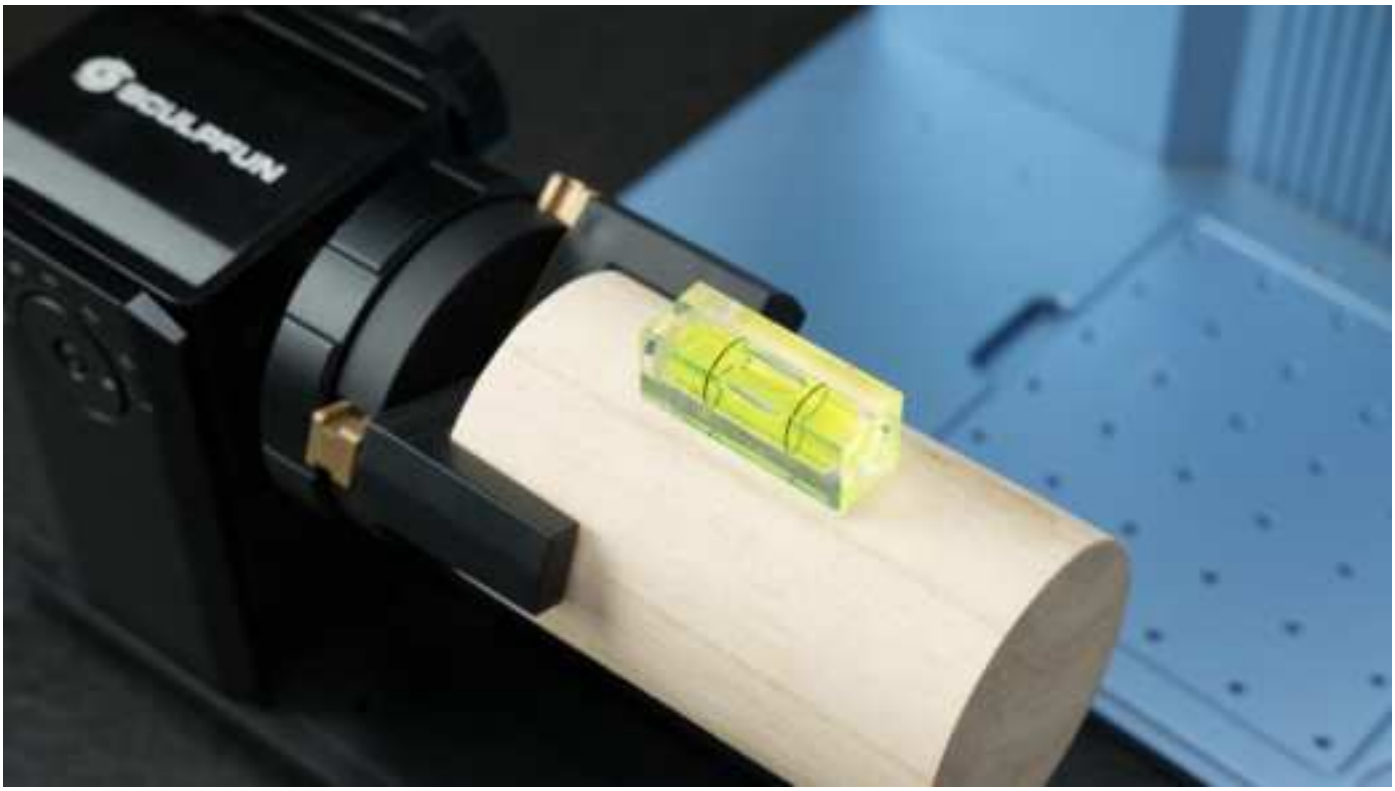
Measure the **Diameter** of the material in advance **(Note That It Is Not The Circumference)** and enter it into the software.



Step 2: Installation

1. Remove the roller and install the chuck.

2. Secure the material in the chuck, ensuring it won't fall off. Afterward, place the roller accessory on the machine working platform. Use the mini level to adjust the level of the material for accurate printing of the pattern onto the material.



Step 3: Connection

Use one end of the connection cable to connect the rotary roller, and the other end to connect the accessory interface on the back of the G9 using an adapter cable. After that you can turn on the machine for use.

Step 4: Engraving

1. Focus

Place the rotary chuck with materials on the machine working platform and click to focus. Red and blue dots will appear on the materials, adjusting them with the electric lift button to make the two dots coincide to complete the focus. NOTE: To reach a better engraving effect, the rotation direction of the materials must be level with the y-axis direction of

the laser engraver.

2. Parameters Settings

You can edit patterns or text on the canvas and select proper parameters according to the engraving content and materials.

3. Preview

Click on "Preview" to check the working range of the machine.

4. Start Engraving

Click on "Mark" to start working.