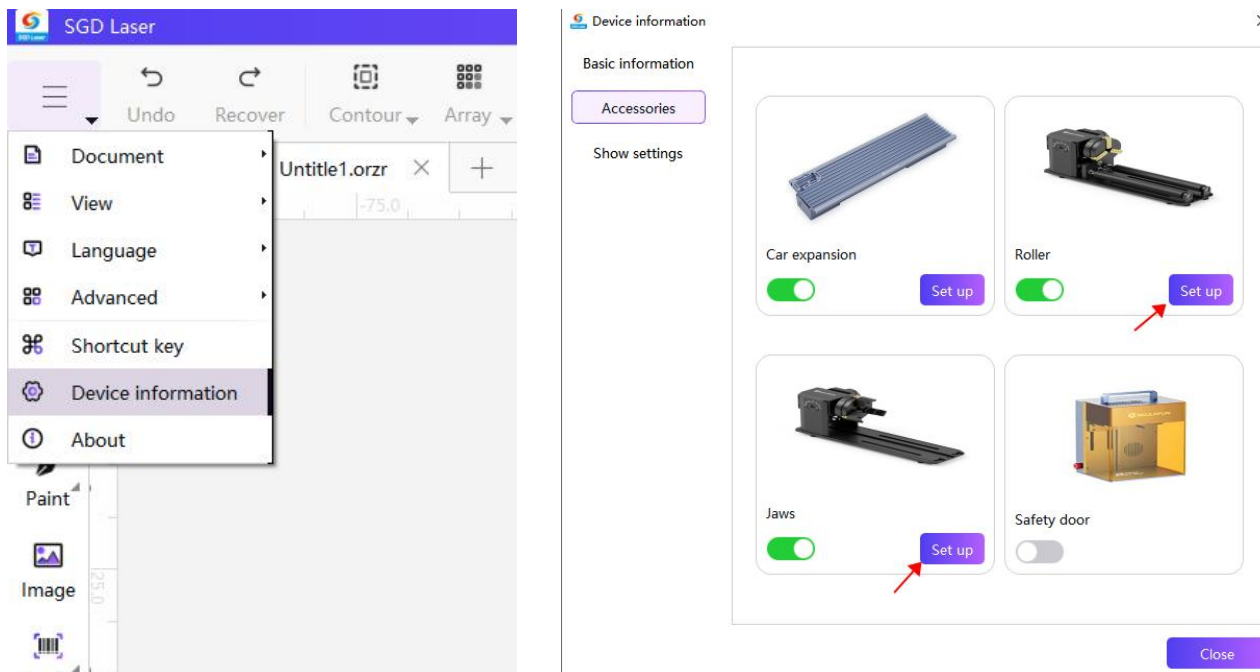


1. Software Settings

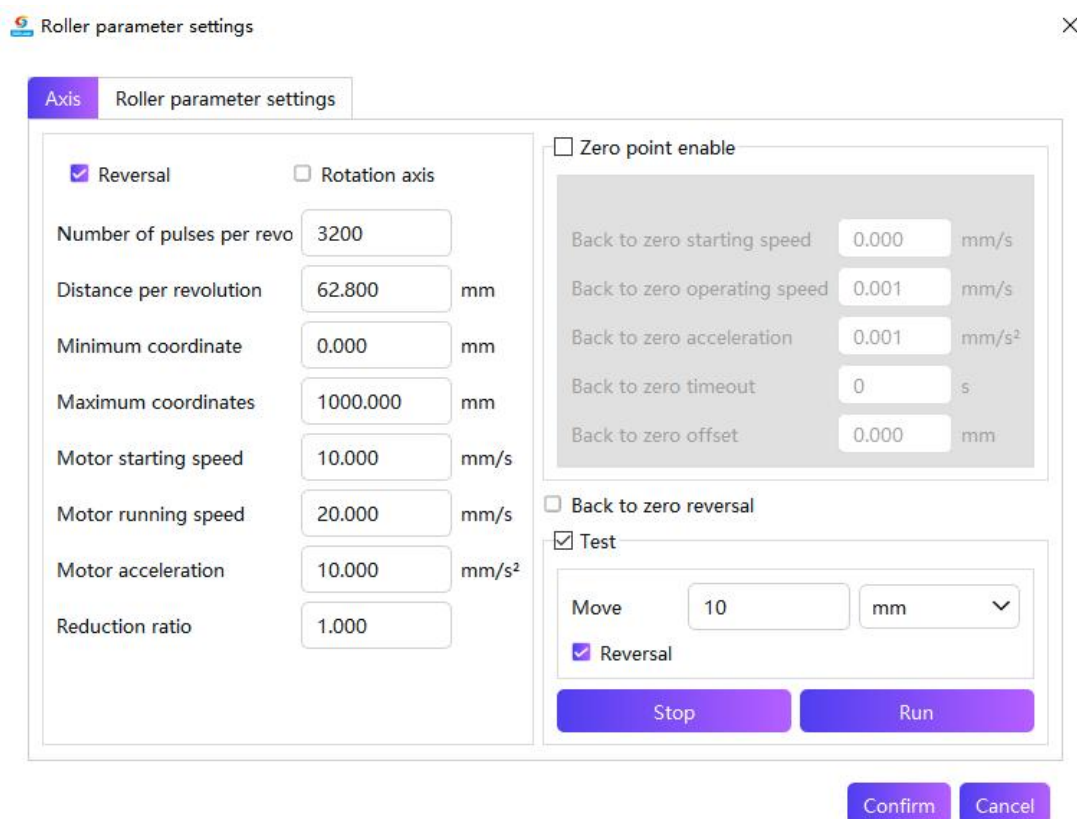
Open the SGD Software and connect the G9 machine to the computer with a USB cable. After successful connection, you can select "Device information" to check the basic information, modify accessories and display settings. The accessory information needs to be configured when using the roller or chuck 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



Axis Roller parameter settings

Axis ID	0	Axis placement mode	Swing sideways		
Combined acceleration	900000	(mm/s ²)			
Maximum roller speed	30	(mm/s)	Roller acceleration	100	(mm/s ²)
Maximum speed of galv	5000	(mm/s)	Galvanometer accelerat	900000	(mm/s ²)
Deduplication threshold	0	(mm)			
Sharp corner arc thresh	0	(mm)			
Speed interpolation thre	10	(mm/s)			
<input type="checkbox"/> Enable optical power					
<input type="checkbox"/> Return to zero point					

ConfirmCancel

Chuck

Axis Chuck parameter settings

<input type="checkbox"/> Reversal	<input type="checkbox"/> 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/s ²
Reduction ratio	1.000

☐ Zero point enable

Back to zero starting speed0.000 mm/s

Back to zero operating speed0.001 mm/s

Back to zero acceleration0.001 mm/s²

Back to zero timeout0 s

Back to zero offset0.000 mm

☐ Back to zero reversal

☒ Test

Move10 mm

☒ Reversal

StopRun

ConfirmCancel

Axis Chuck parameter settings

Axis ID	0	Axis placement mode	Swing sideways
Combined acceleration	900000	(mm/s ²)	
Maximum roller speed	30	(mm/s)	Roller acceleration
			100 (mm/s ²)
Maximum speed of galvan	5000	(mm/s)	Galvanometer acceleration
			900000 (mm/s ²)
Deduplication threshold	0	(mm)	
Sharp corner arc threshold	0	(mm)	
Speed interpolation thresh	10	(mm/s)	
<input type="checkbox"/> Enable optical power co			
<input type="checkbox"/> Return to zero point aft			

Confirm

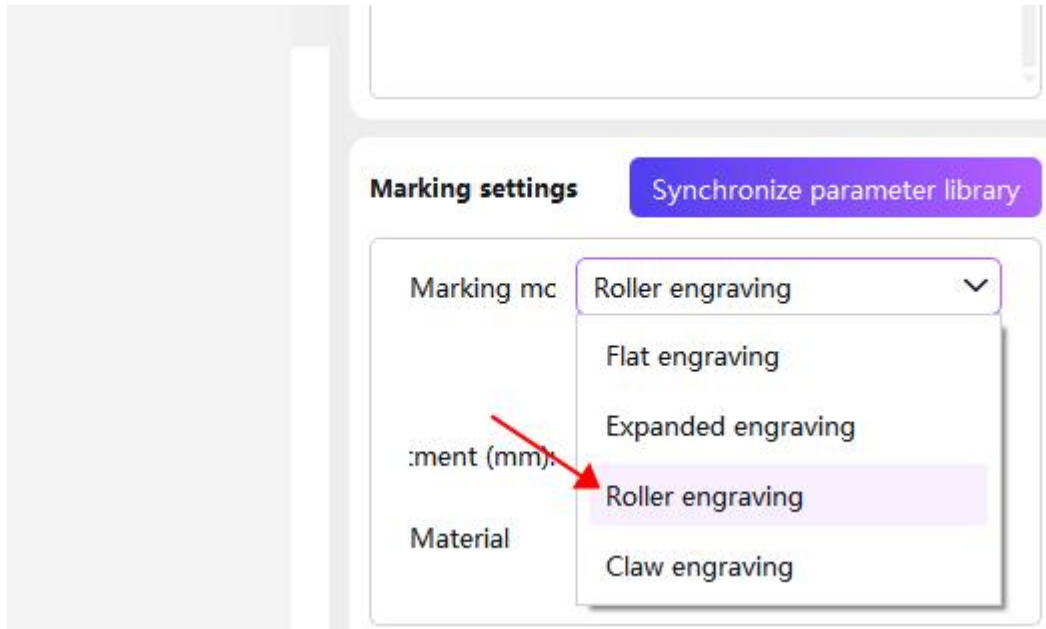
Cancel

2. Operating Steps

1. Roller Engraving

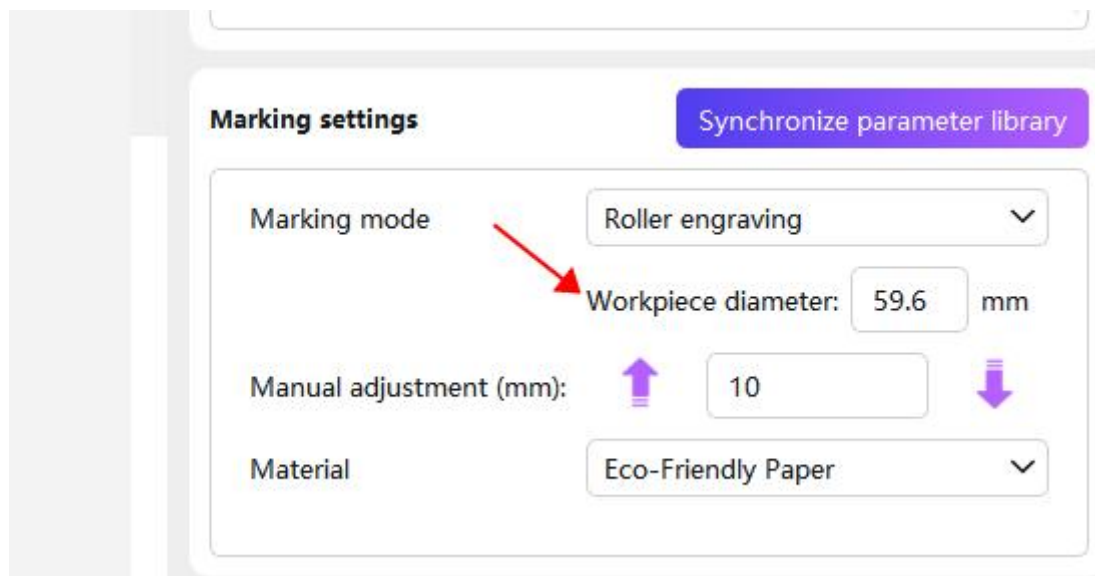
Step 1: Preparation

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



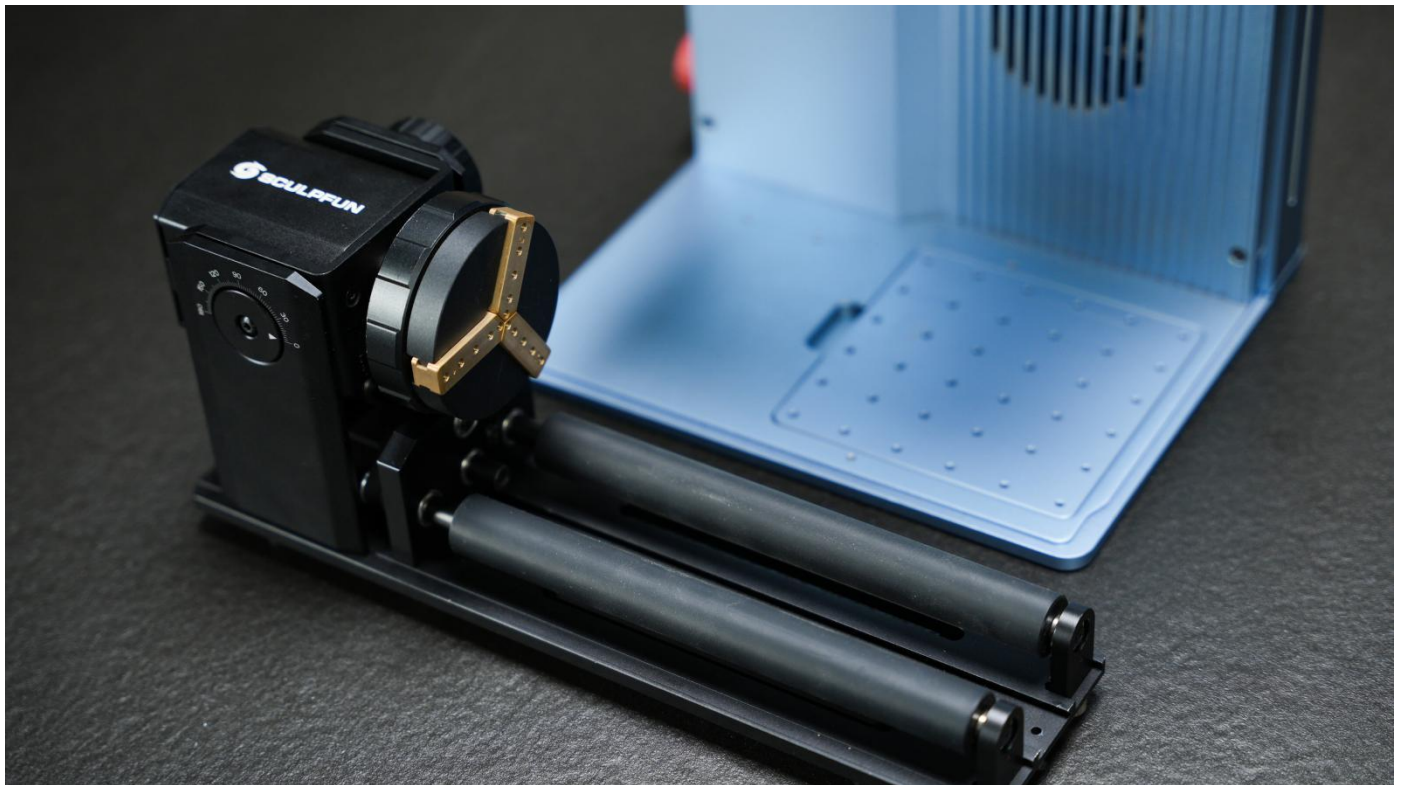
Measure the **Diameter** of the material in advance (**Note That It Is Not The Circumference**) and enter it into the software.



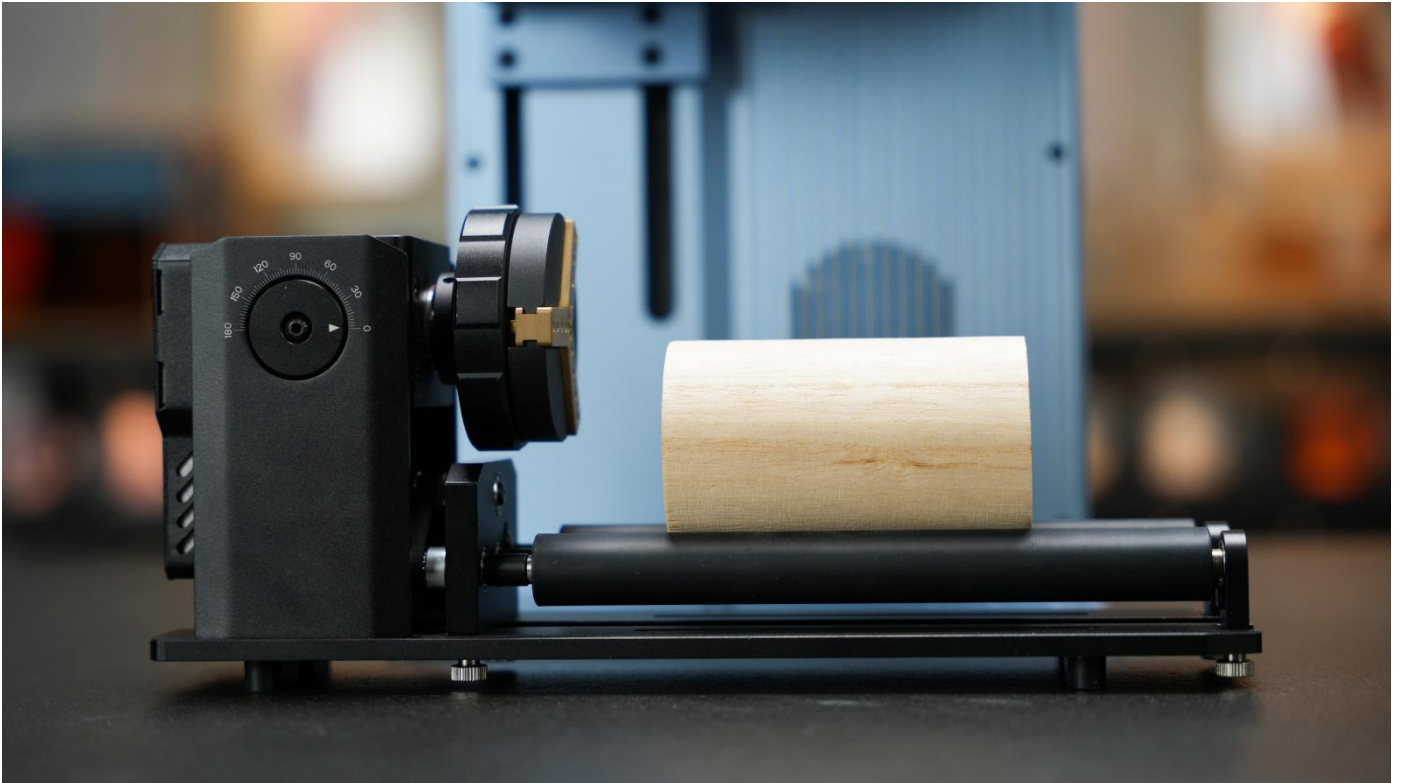


Step 2: Installation

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.**

Marking settings

Synchronize parameter library

Marking mode

Roller engraving

Workpiece diameter: 59.8 mm

Manual adjustment (mm): 10

Material

Eco-Friendly Paper

Light source

☒ Blue light ☐ Red light

Marking times

1

Power (%)

100

Speed(mm/s)

30

☐ Select processing ☐ Red light outline

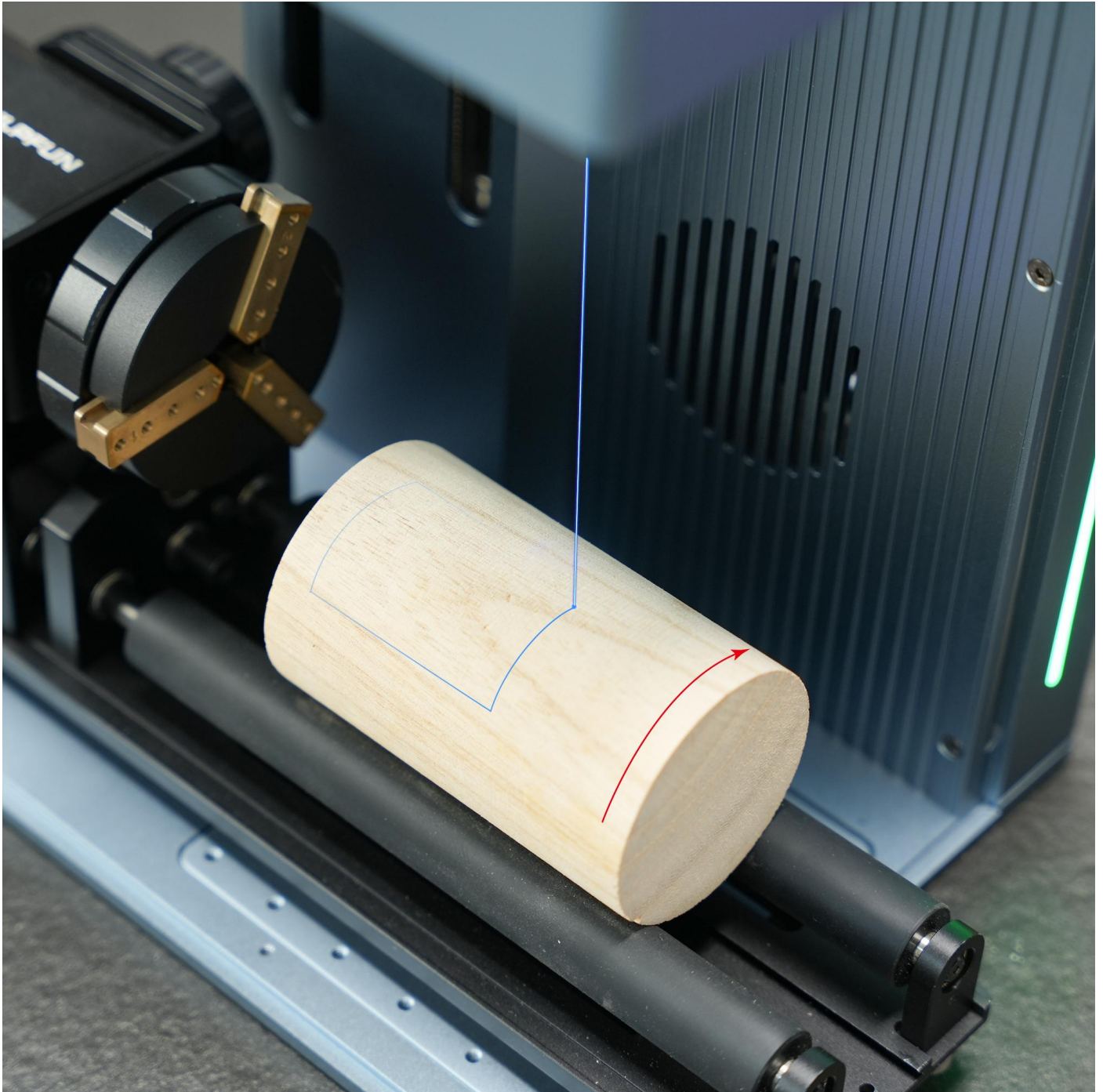
Preview (F1)

Mark(F2)

Focus

3. Preview

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



4. Start Engraving

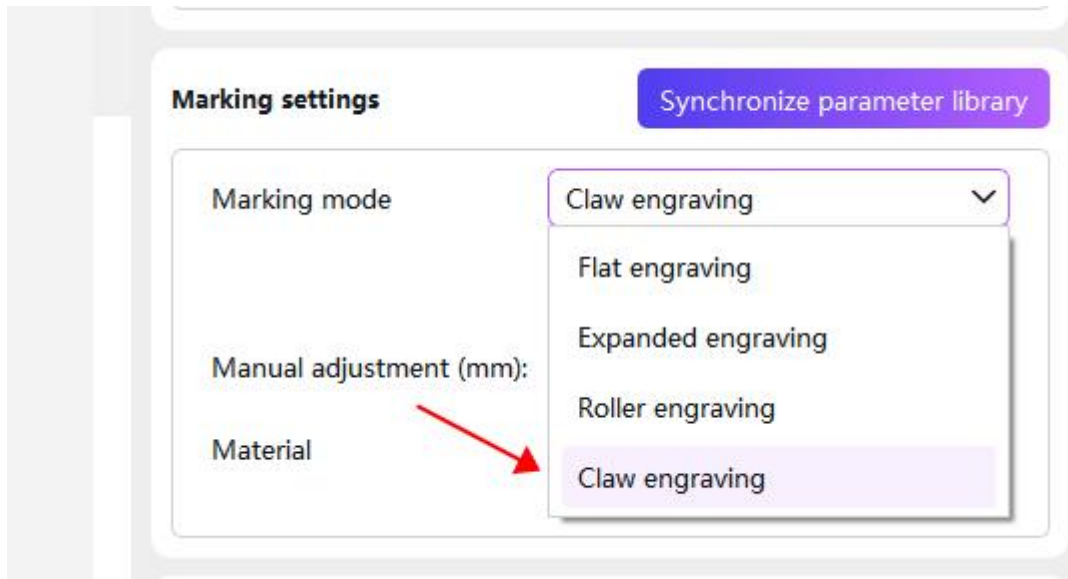
Click on "Mark" to start working.



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.



Marking settings

Synchronize parameter library

Marking mode

Claw engraving

Workpiece diameter:

59.6

mm

Manual adjustment (mm):

↑

10

↓

Material

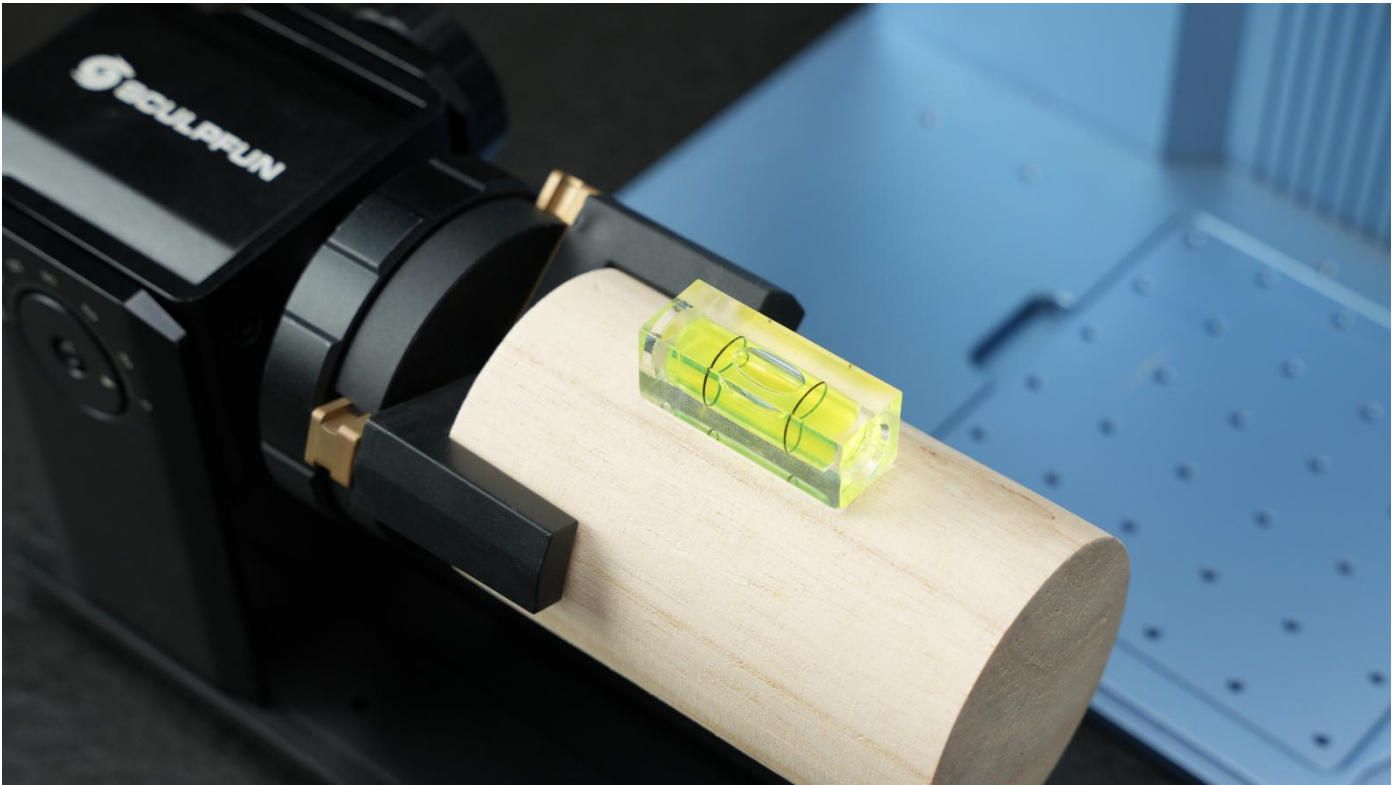
Eco-Friendly Paper

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.

