

**G·WEIKE**

# M Series

Installation Manual



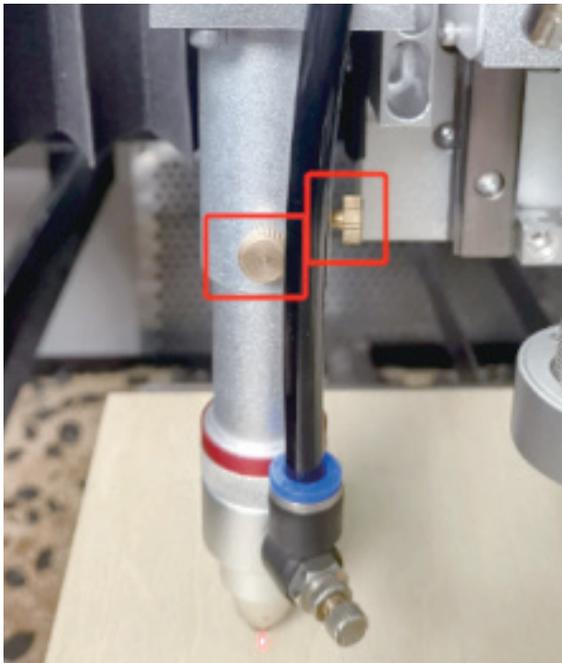
## Rotary axis cutting

### 1. Fiber cutting

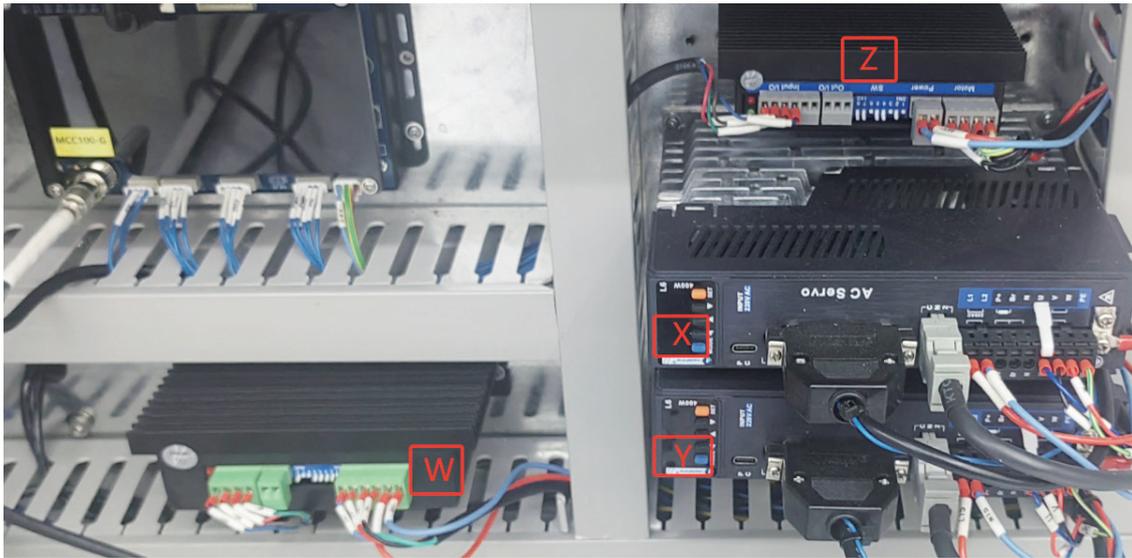
Step 1: Connect the signal wire of the laser to the back of the machine bed. Use the chuck to manually fix the pipe.



Step 2: Adjust the CO<sub>2</sub> laser head to the highest position.



Step 3: Locate the Y-axis driver.



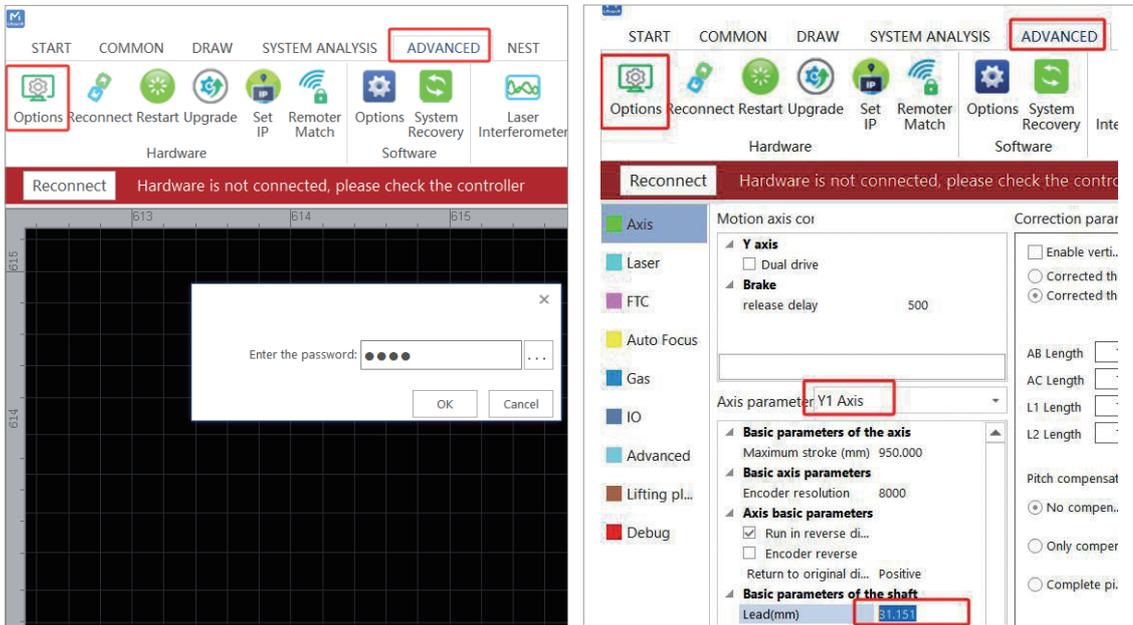
Step 4: Unplug the encoder wire and motor wire of the Y-axis, and install the encoder wire and motor wire of the rotating axis.



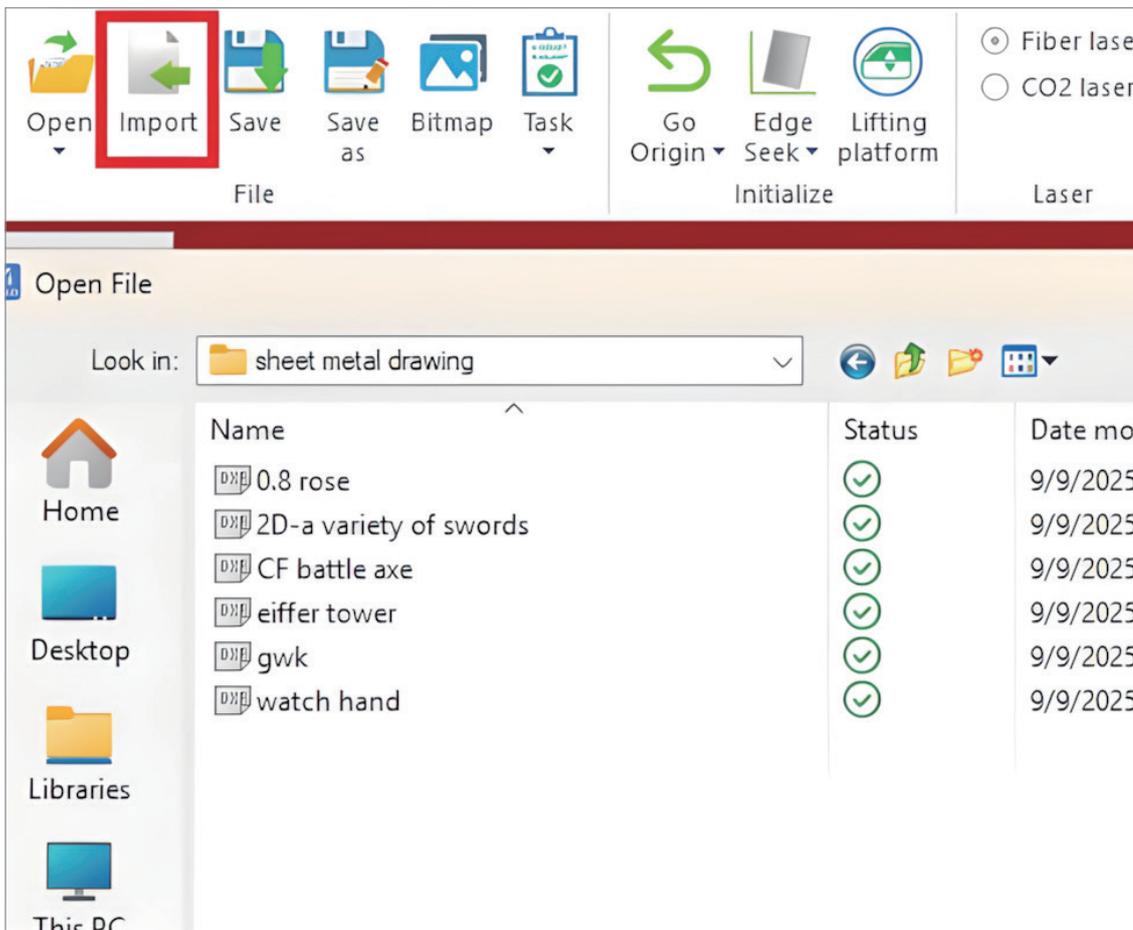
Step 5: Wiring and placement of the rotating axis; place the rotating axis parallel to the X-axis.



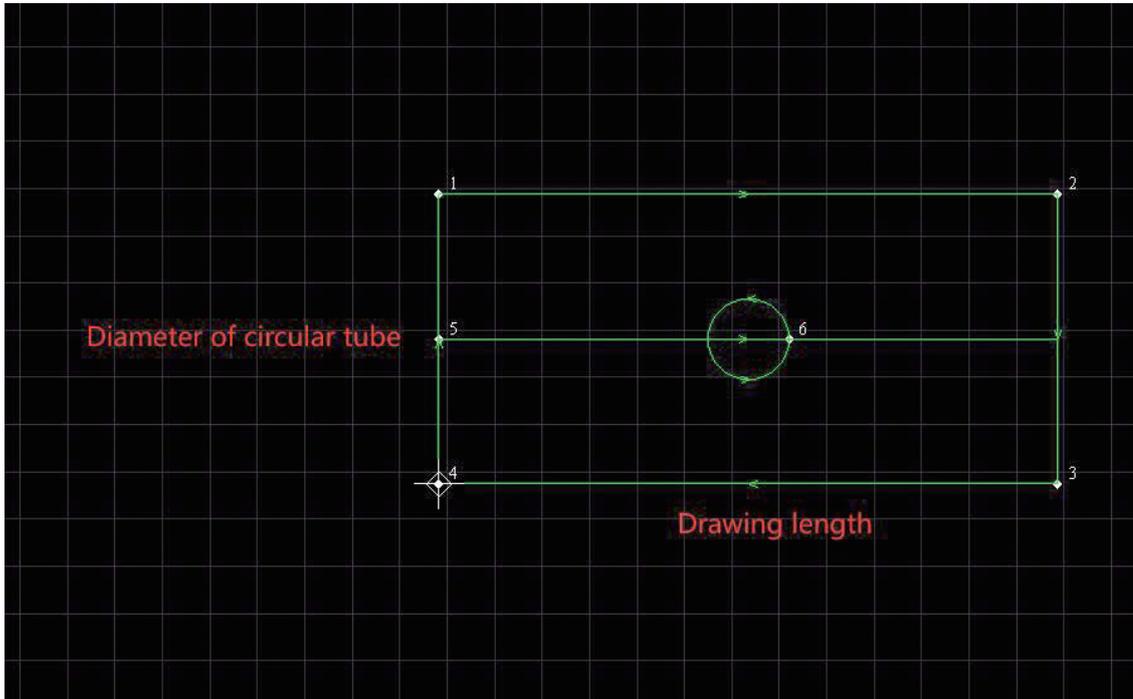
Step 6: Modify the lead. Calculate using the formula  $\pi \cdot D \cdot \text{gear ratio}$  (26/48, adjust according to actual conditions). Enter the platform configuration, modify the Y-axis lead based on the obtained value. The password is 3721. Click confirm after modification.



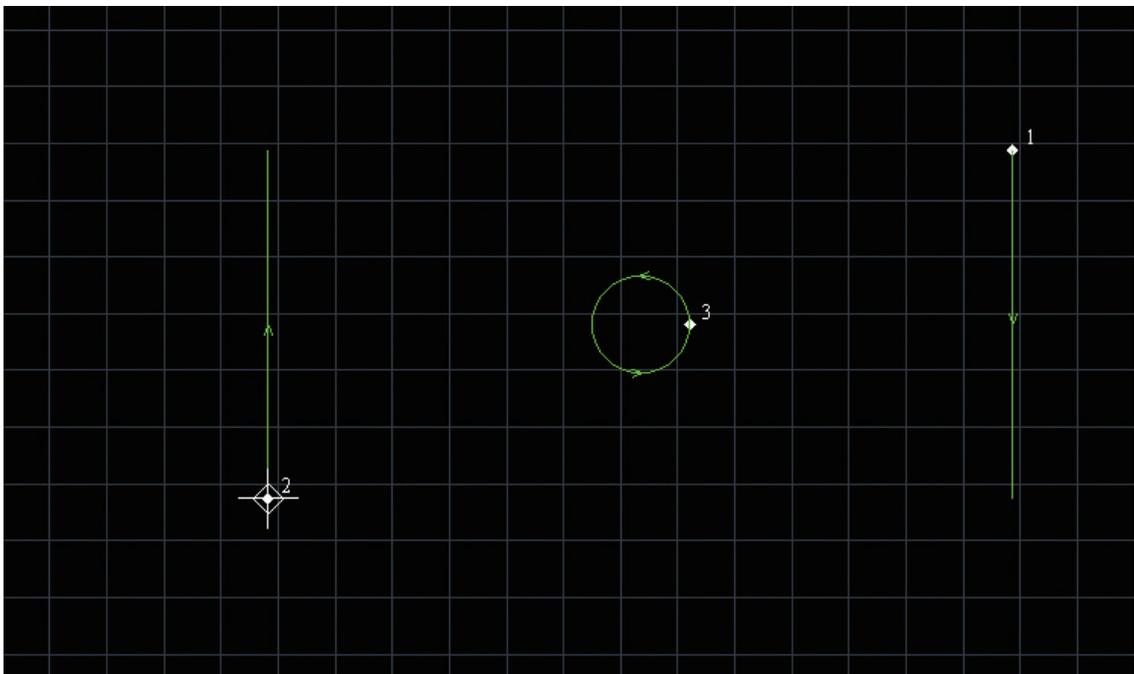
Step 7: Import the drawing and find the drawing that needs to be cut.



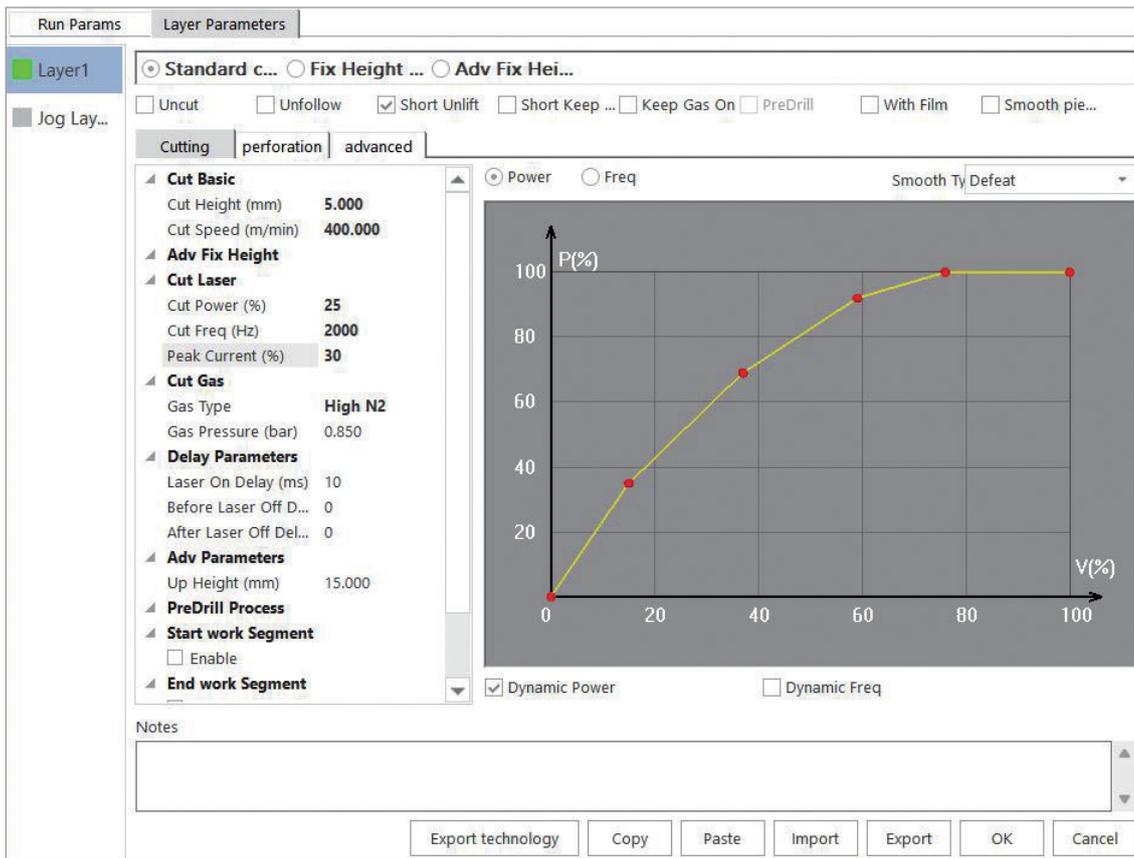
Step 8: The drawing is a plane section view of the circular pipe, with the width of the drawing being the circumference of the circular pipe ( $\pi \cdot D$ ) and the length being the required length.



Final form



Step 9: Parameter settings



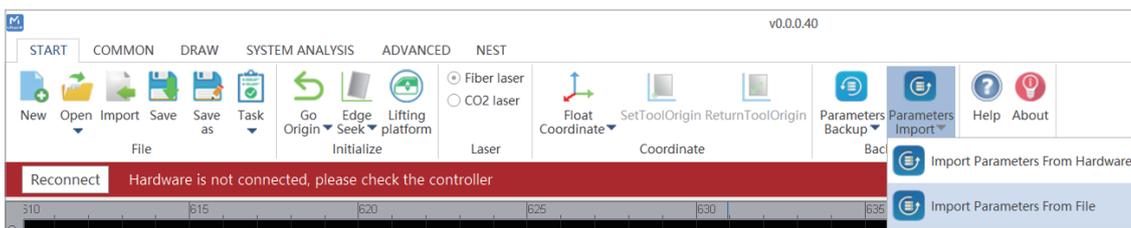
Step 10: Run the frame, check if the entire cutting process is feasible, and start cutting after confirmation. (It is recommended that the air pressure be 0.3 MPa)

**Note:** Do not return directly to the origin after modification. It is recommended to return the X-axis to the origin separately first.

**IMPORT**

Parameters need to be re-imported, or the modified settings should be restored to the original ones.

**START-PARAMETERS IMPORT**

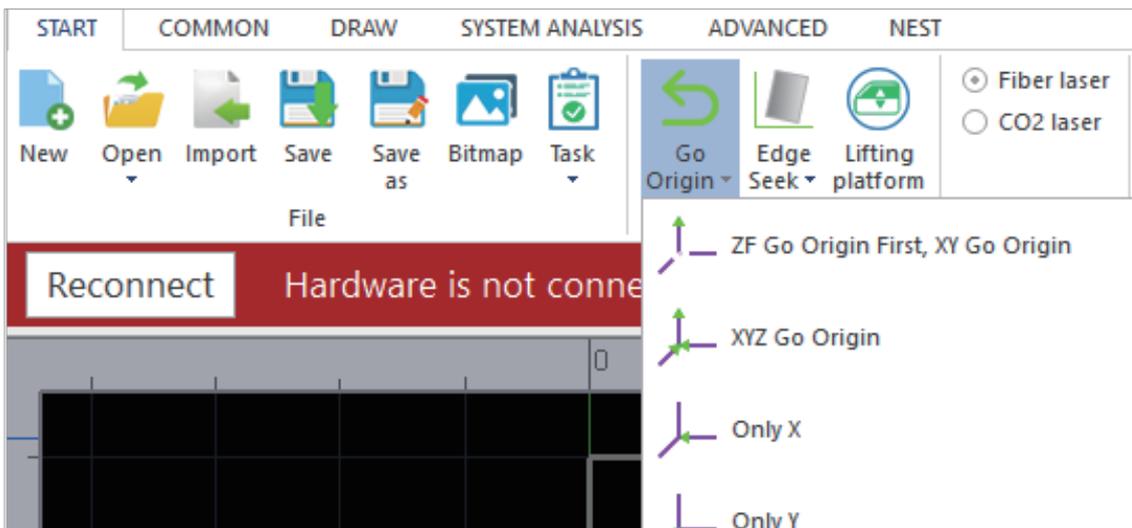


## 2. CO<sub>2</sub> cutting

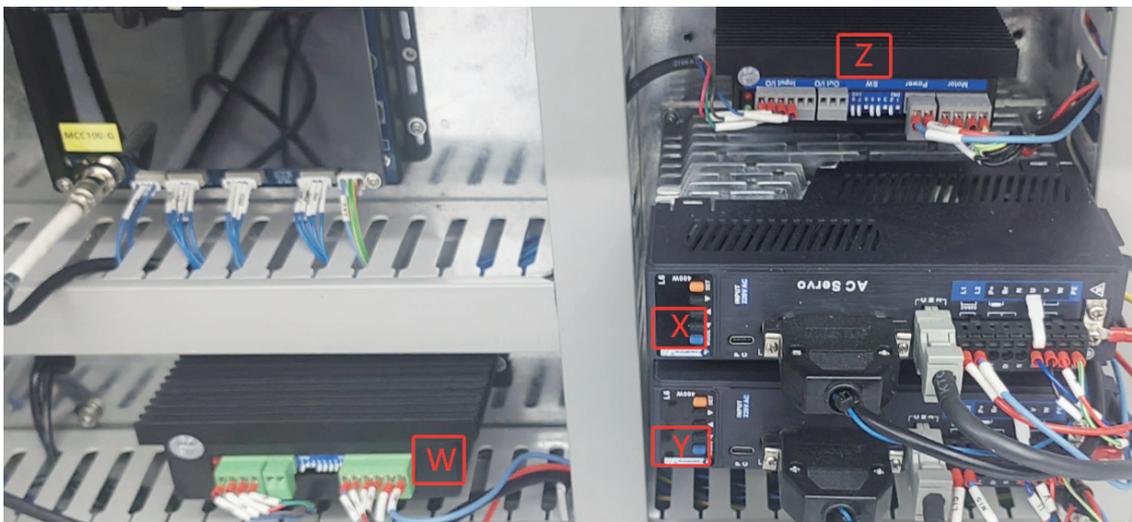
Step 1: Connect the signal line of the laser to the back of the machine bed. Use the chuck to manually secure the pipe.



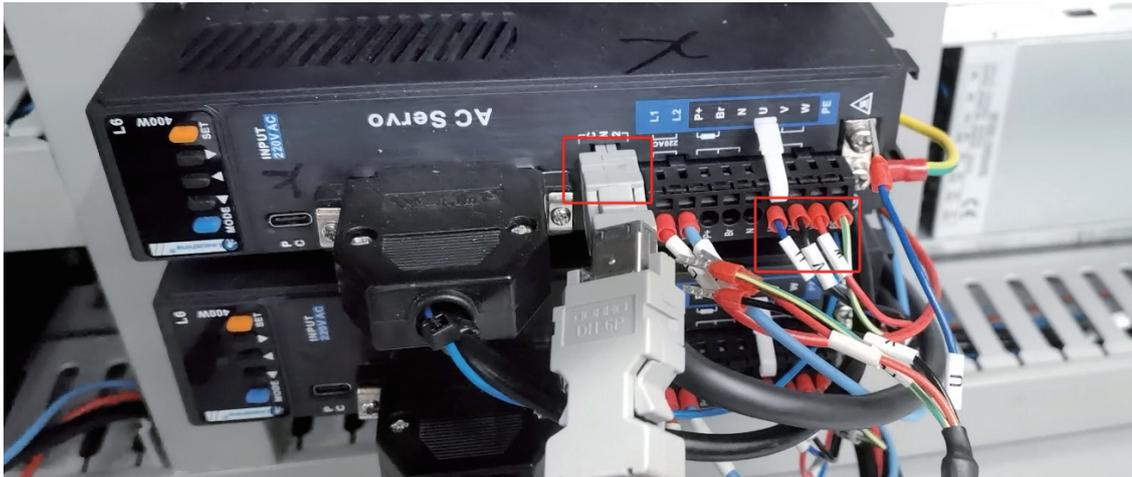
Step 2: Return the laser cutting head to the origin.



Step 3: Locate the Y-axis driver



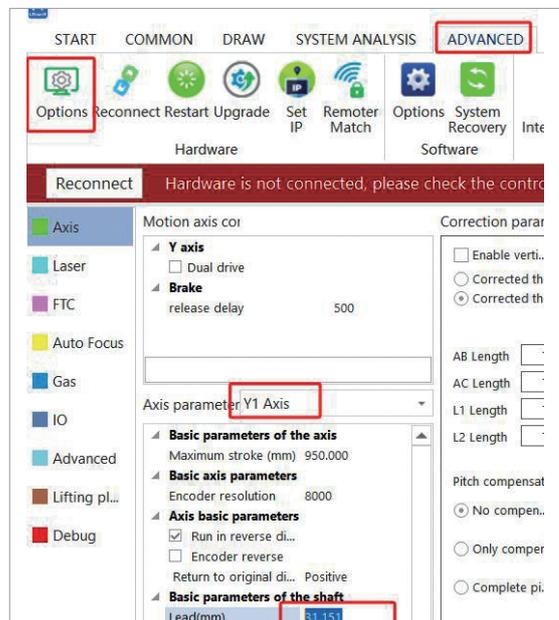
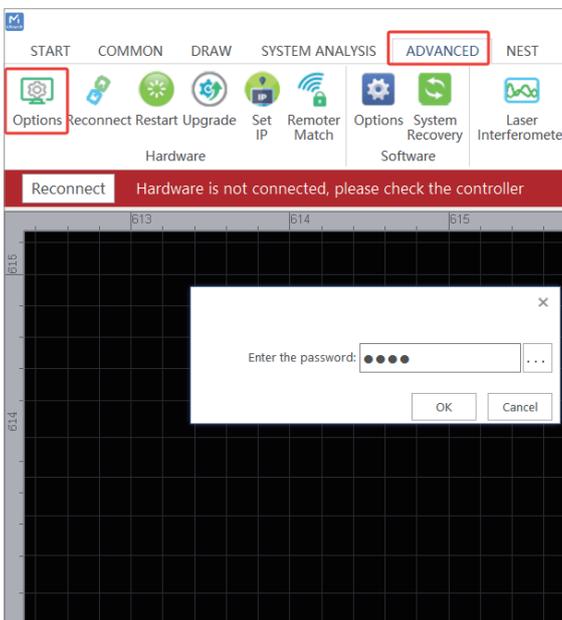
Step 4: Unplug the encoder cable and motor cable of the Y-axis, and install the encoder cable and motor cable of the rotary axis.



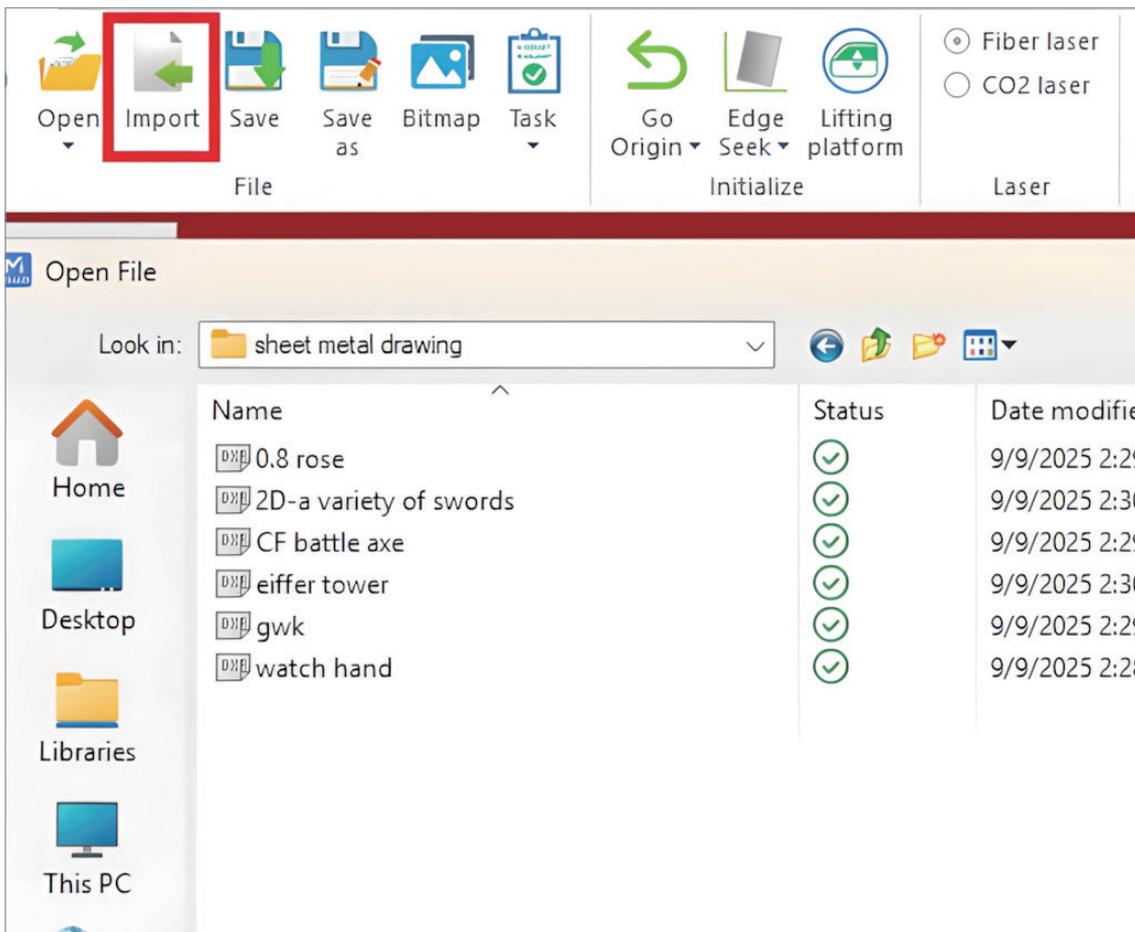
Step 5: Wire and place the rotary axis, with the rotary axis positioned parallel to the X-axis.



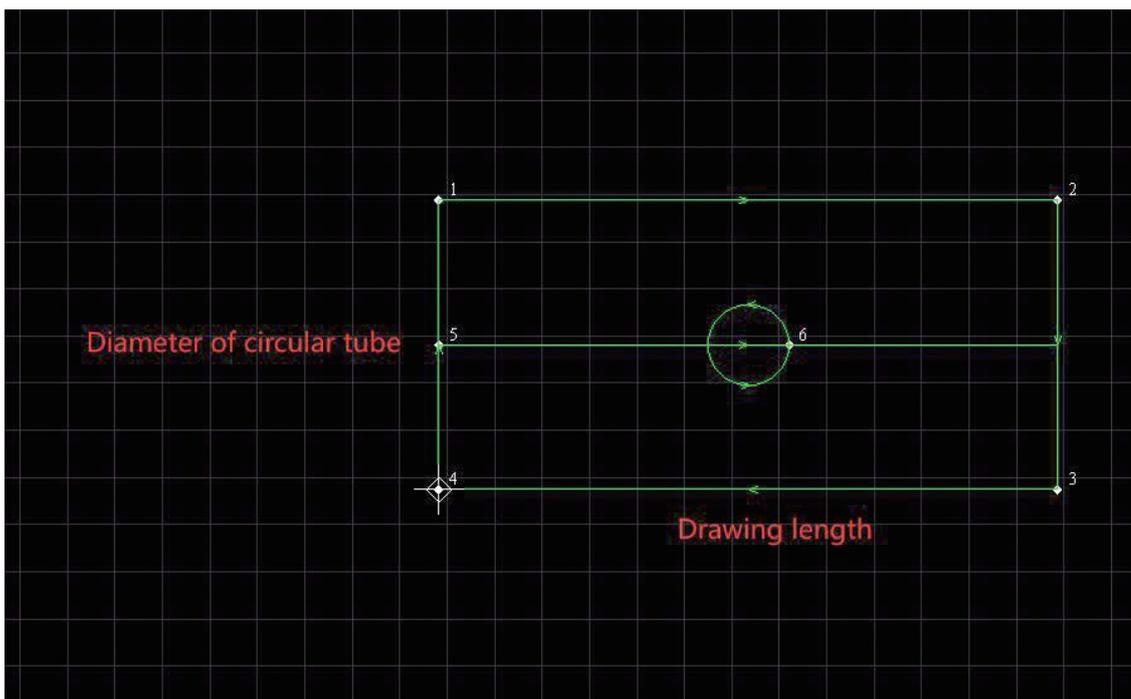
Step 6: Modify the lead, which is calculated as  $\pi \cdot D \cdot \text{gear ratio}$  (26/48, modify according to the actual situation). Enter the platform configuration, modify the Y-axis lead according to the obtained value. The password is 3721. Click confirm after modification.



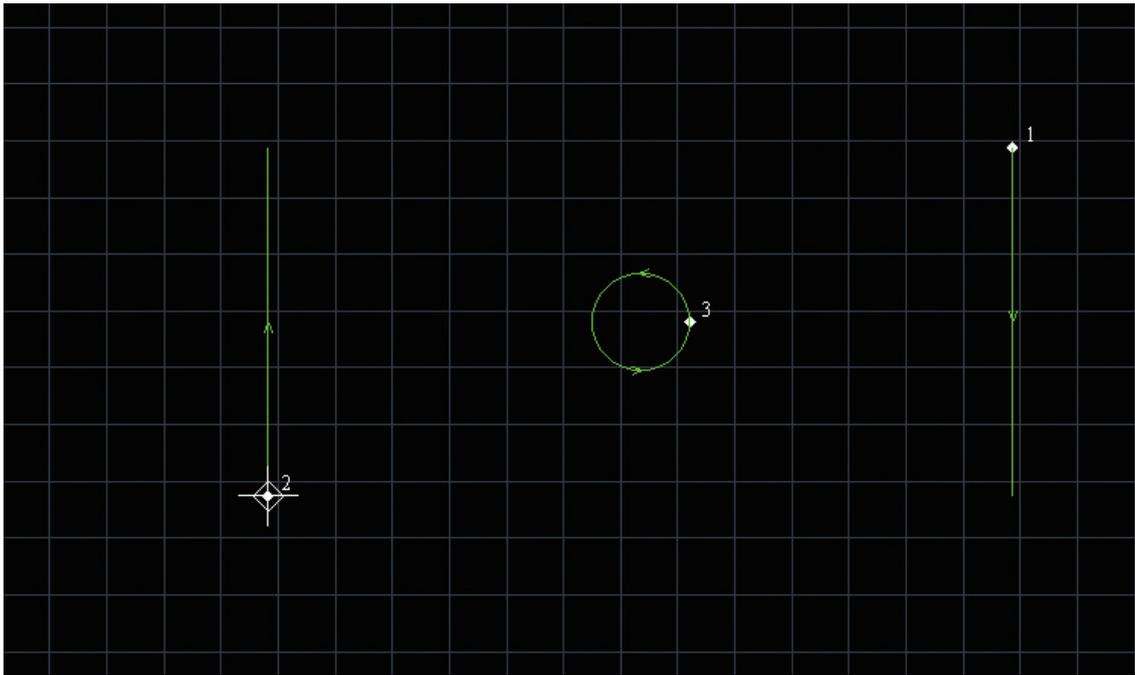
Step 7: Import the drawing and find the drawing that needs to be cut.



Step 8: The width of the drawing equals the circumference of the circular tube ( $\pi \cdot D$ ), and the length corresponds to the required dimension.



Final form

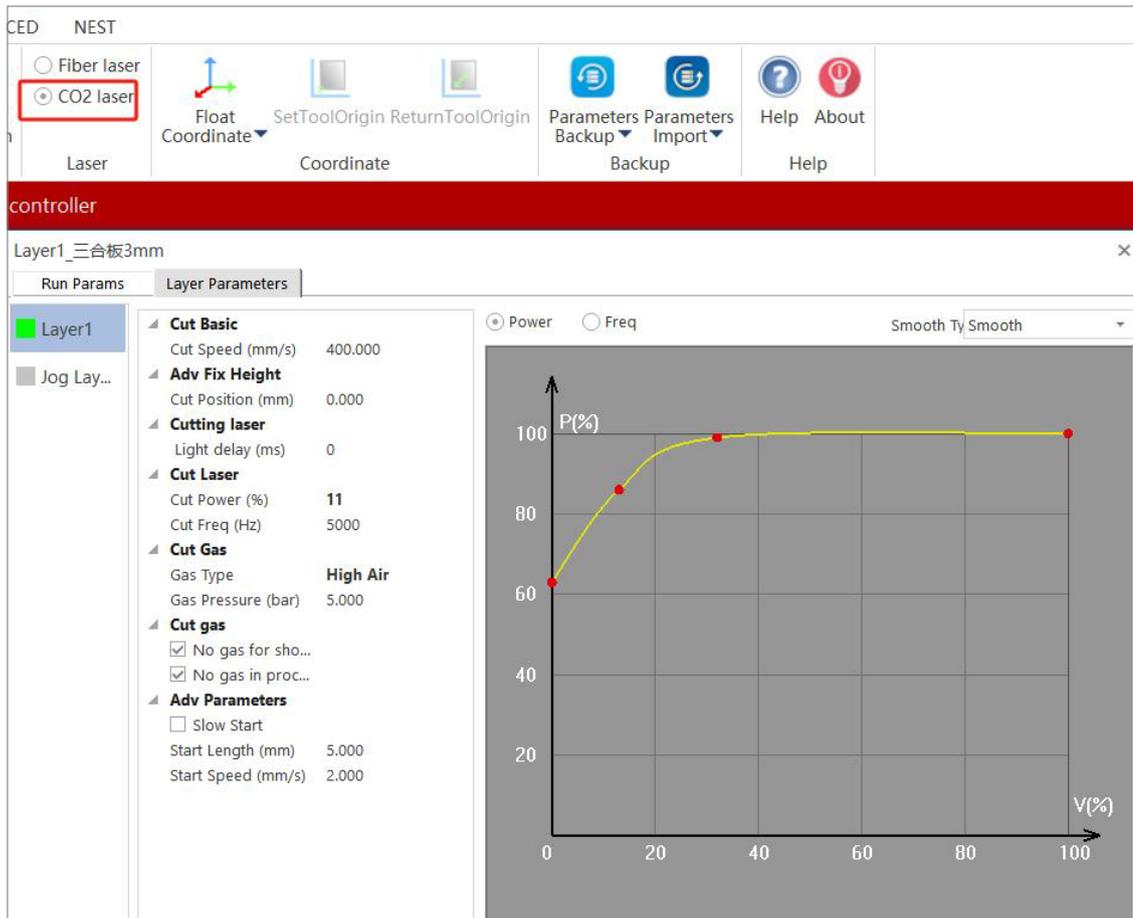


Final form

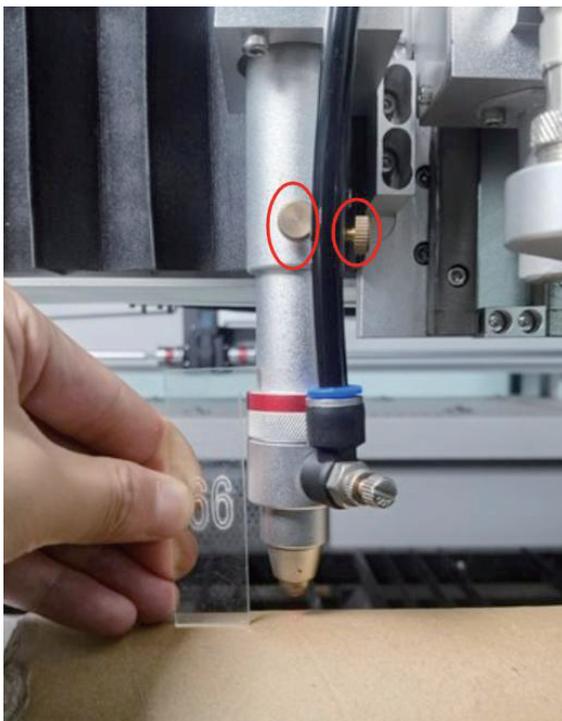
Step 9: Turn on the water chiller and laser power buttons on the control panel.



Step 10: Select the CO<sub>2</sub> laser and modify the parameters.



Step 11: Locate the focal length ruler, loosen the screws, and manually adjust the focus of the CO<sub>2</sub> cutting head.



### IMPORT

**Note:** Do not directly return to the origin after modification. It is recommended to first return the X-axis to the origin separately.

Parameters need to be re-imported, or the modified settings should be restored to the original ones.

### START-PARAMETERS IMPORT

