

**G·WEIKE**

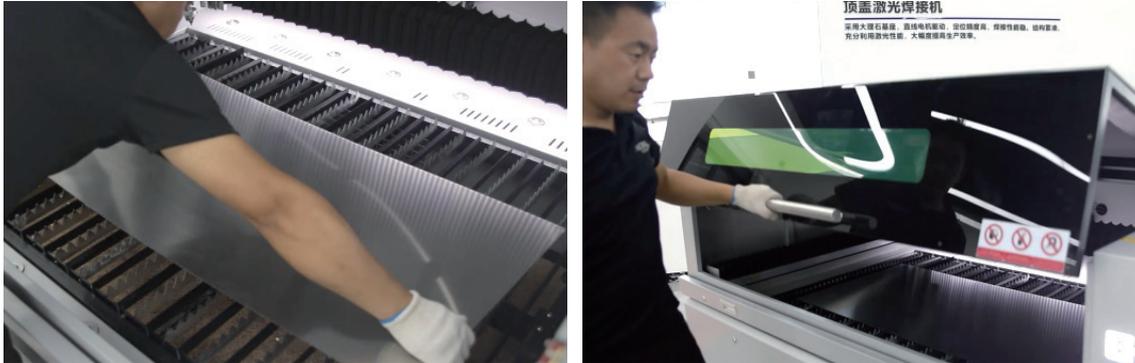
# M Series

Installation Manual

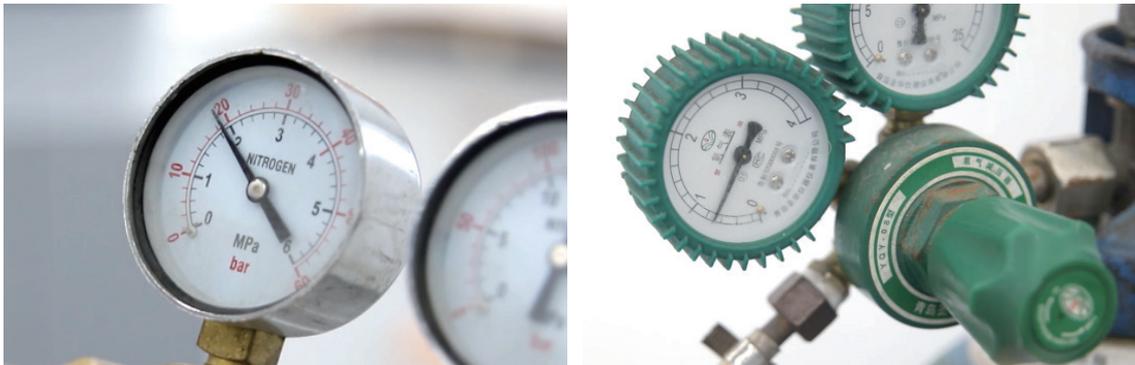


## Cutting and carving

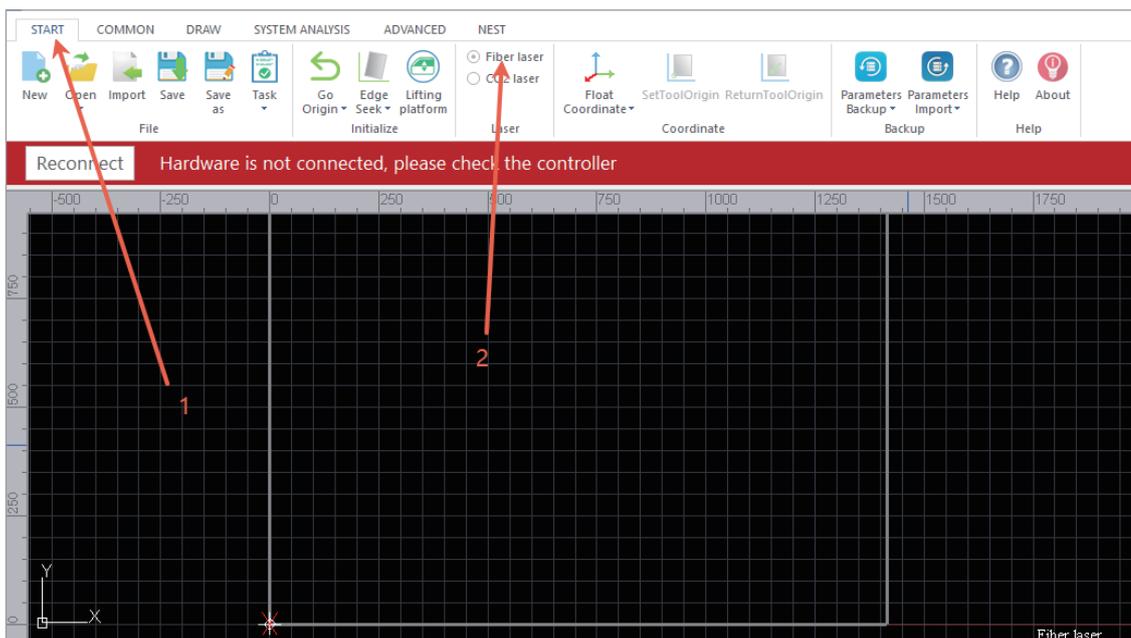
1. Turn on the device, place the material inside, and close the machine cover.



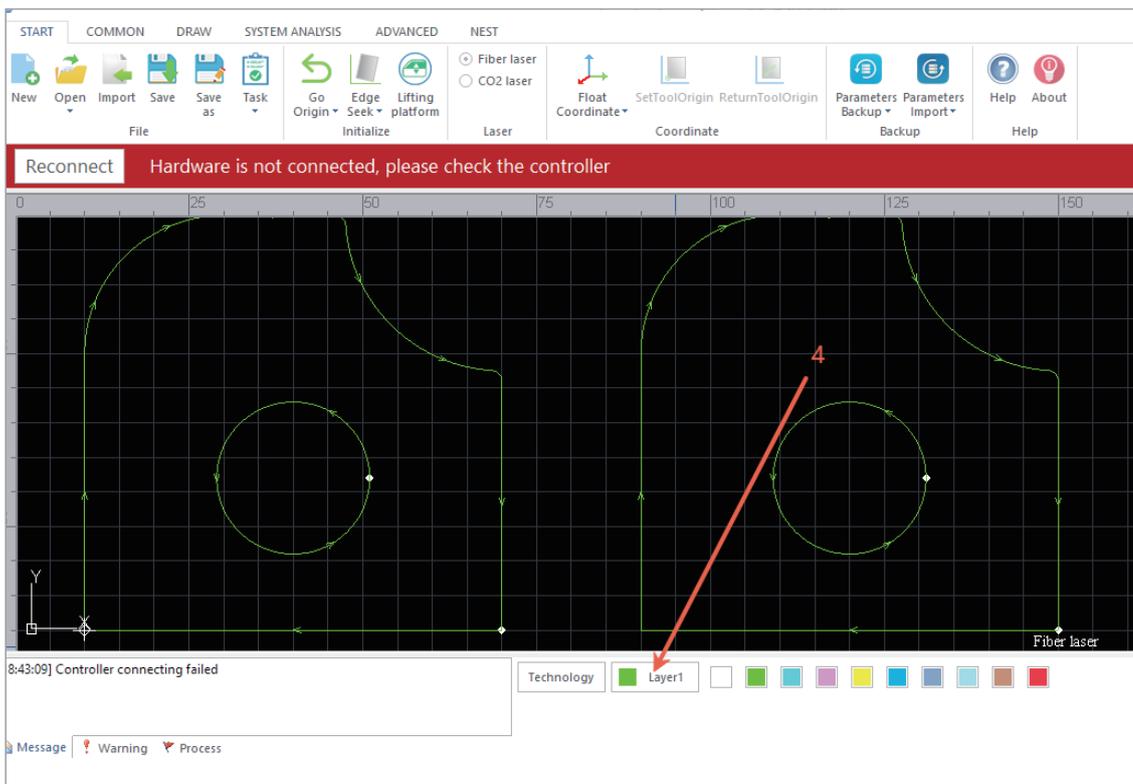
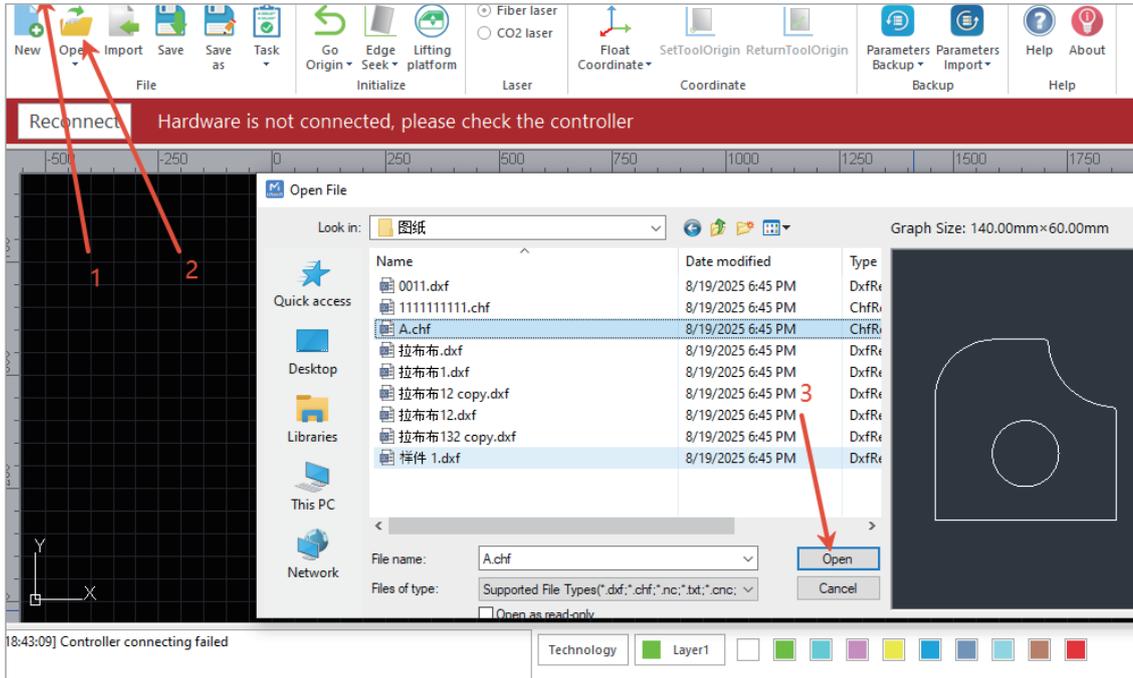
2. Open the oxygen valve and nitrogen valve, with nitrogen pressure set to 2.0MPa and oxygen pressure to 0.8MPa.

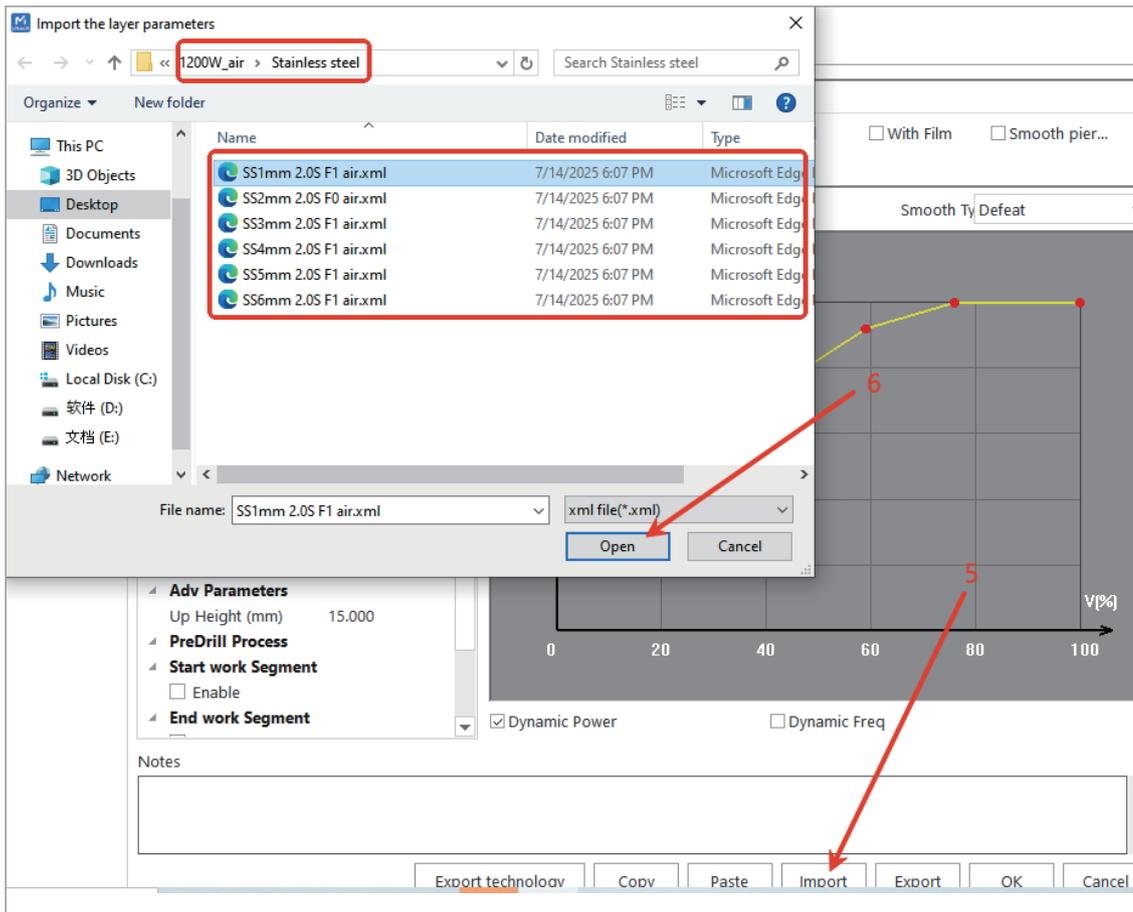


3. For fiber cutting function: Open the software, click "Start", and select the fiber cutting mode.

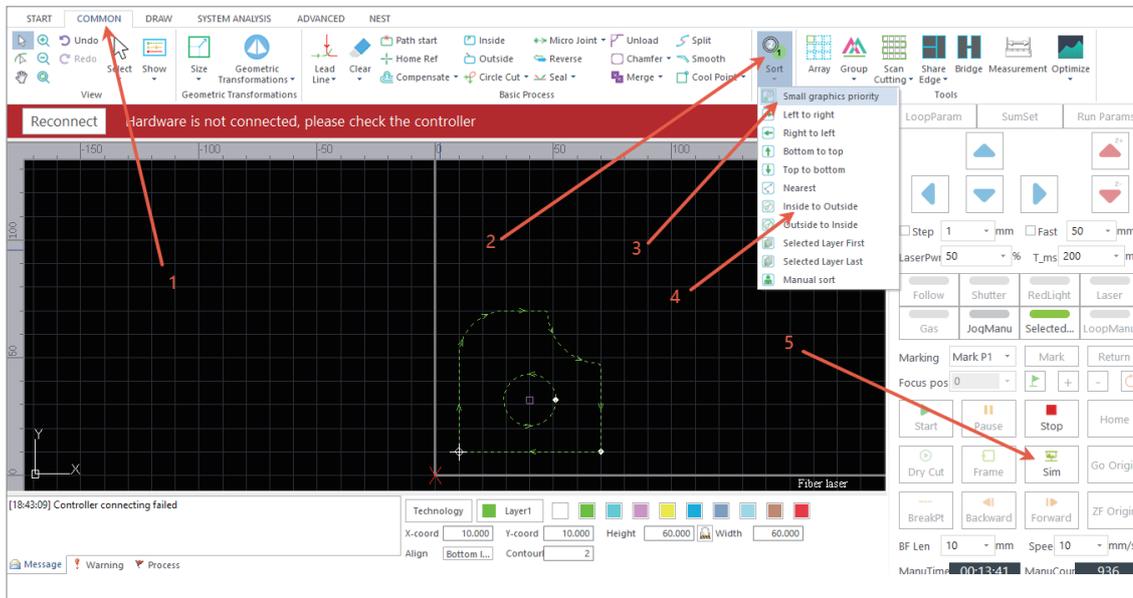


4. Click "Start" - "Open" - select the cutting file attached in the USB drive. Click "Layer", select "Import", choose the cutting process attached in the USB drive, and make a selection according to the material thickness. Explanation of parameter names: SS = stainless steel, 2.0mm = Plate thickness, 2.0S = 2.0 single nozzle, F0 = focus position is 0, N2/O2/AIR = nitrogen/oxygen/air.





5. Select the graph - "Common" - "Sort" - "Small graphs first" - "Simulate cutting".



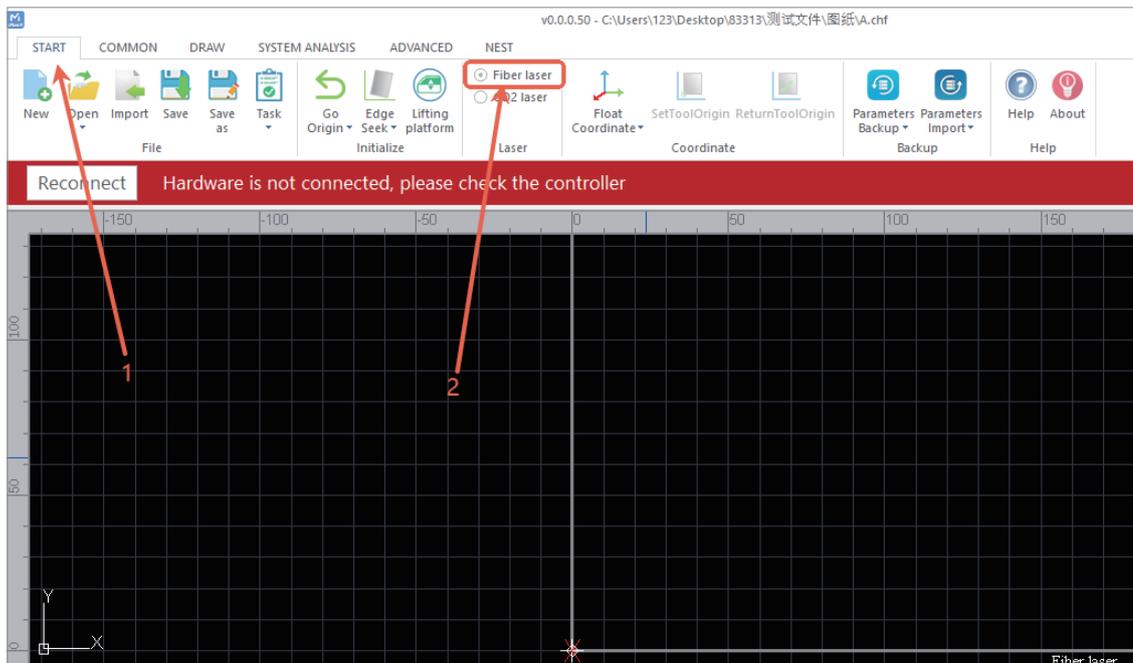
6. Use the handle's composite keys for quick calibration. Then click "Air blowing" to test the gas (ensure the gas path is unobstructed).



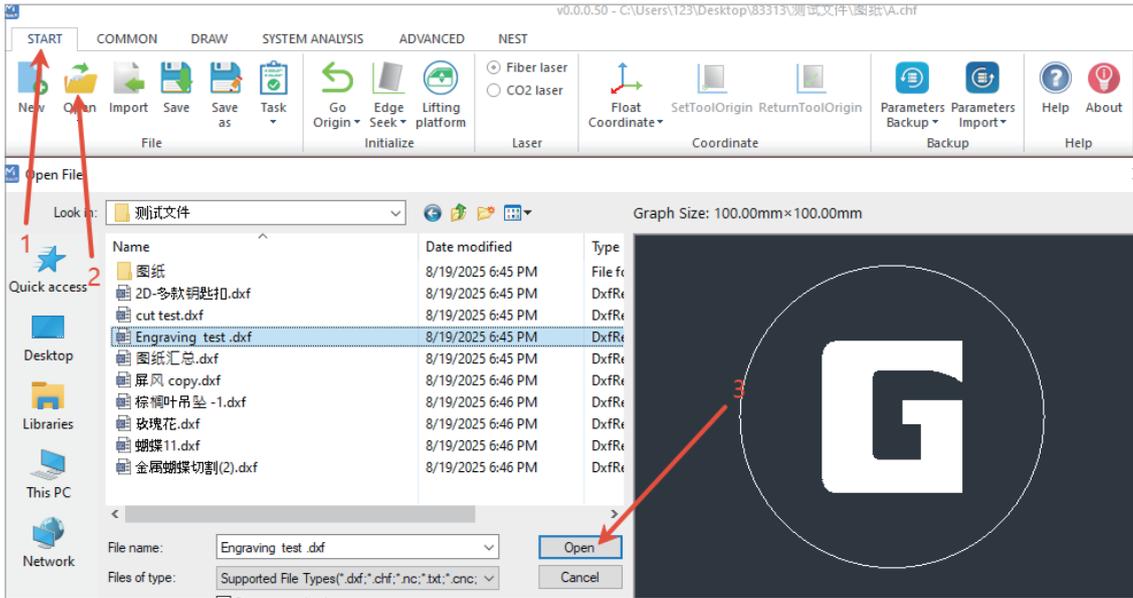
7. Use the handle to trace the border (make sure the red light is on the plate), and click "Start" to perform cutting.



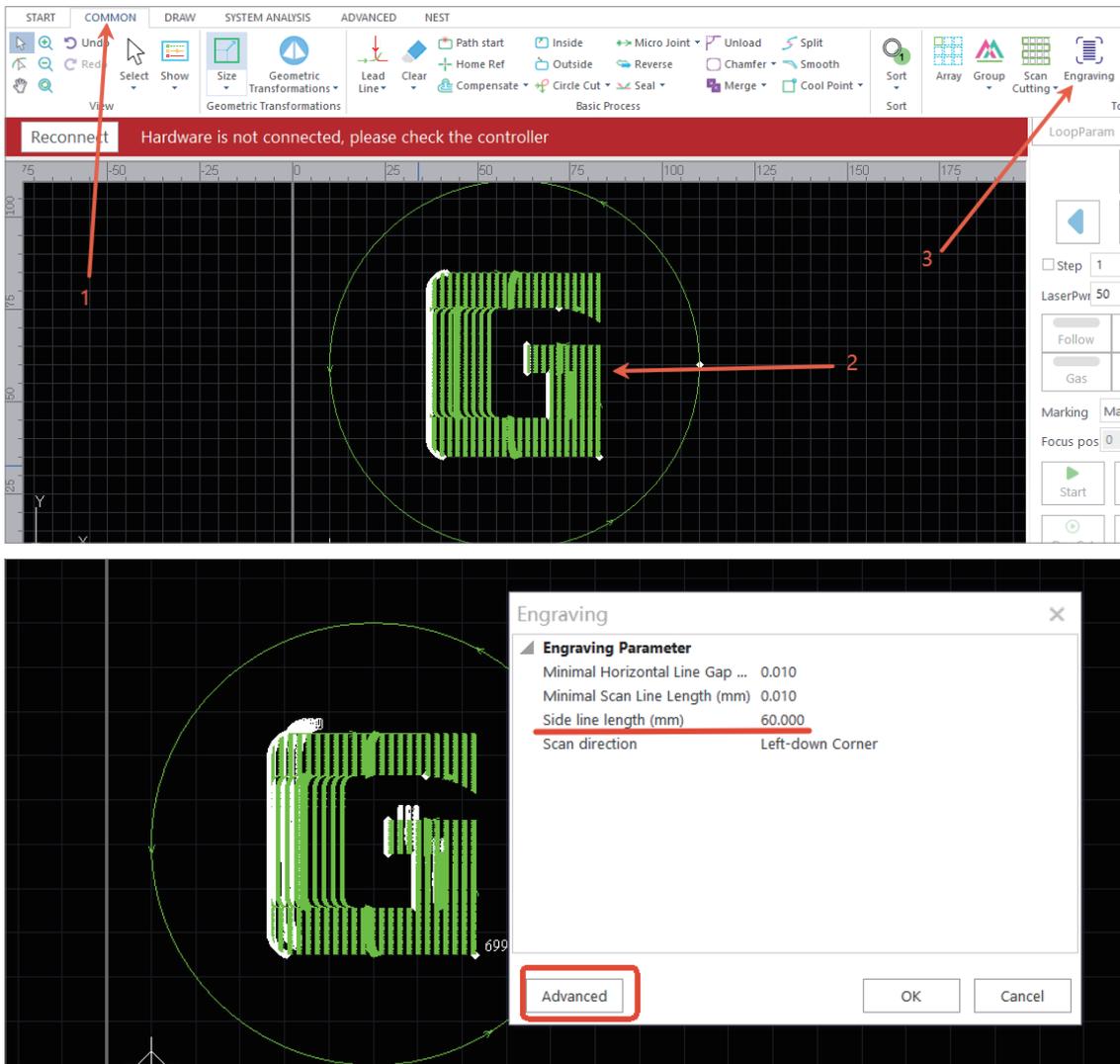
8. For fiber engraving function: Open the software and select the fiber cutting mode.

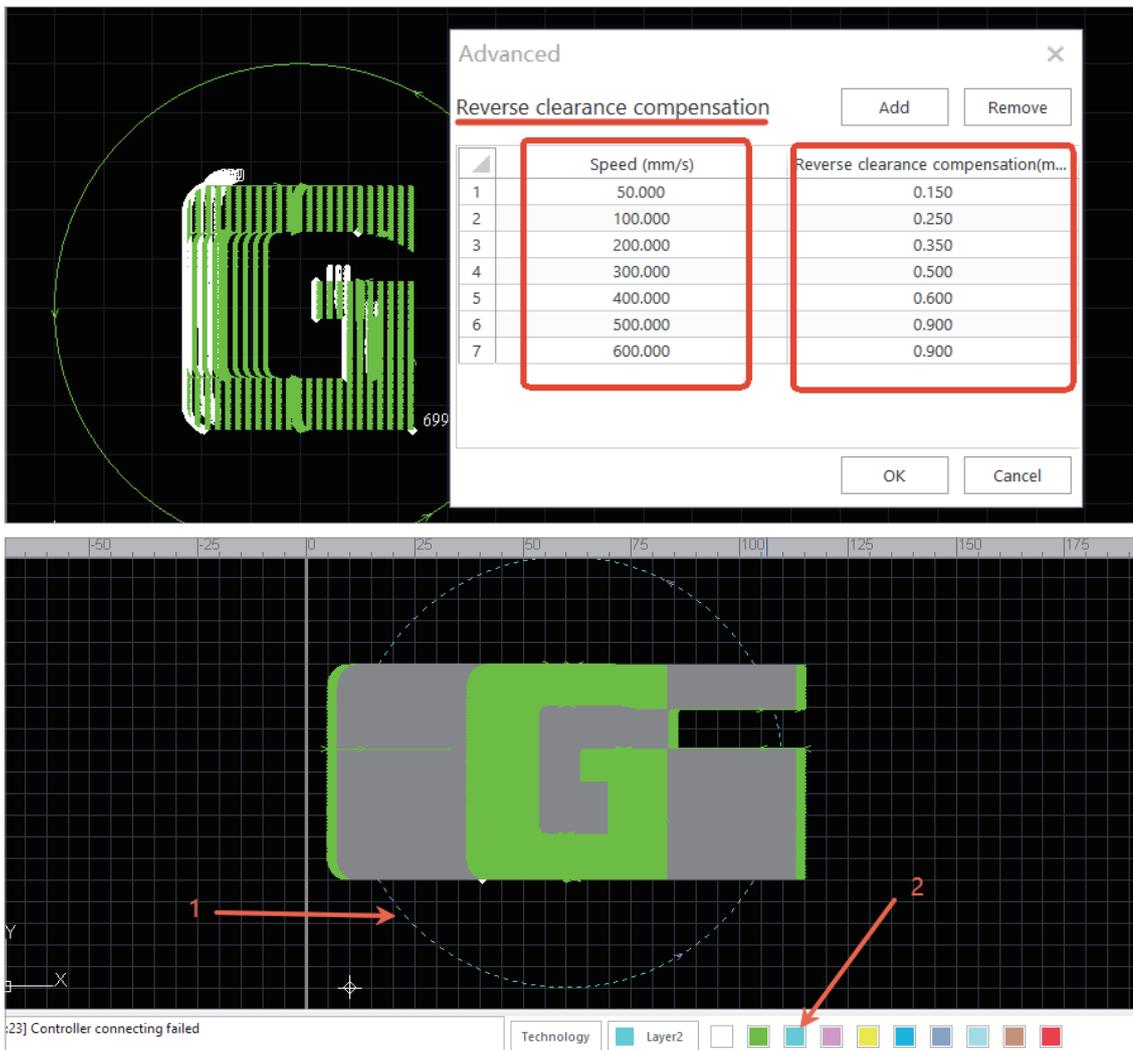


9. Click "Start" - "Open" - select the engraving file attached in the USB drive.

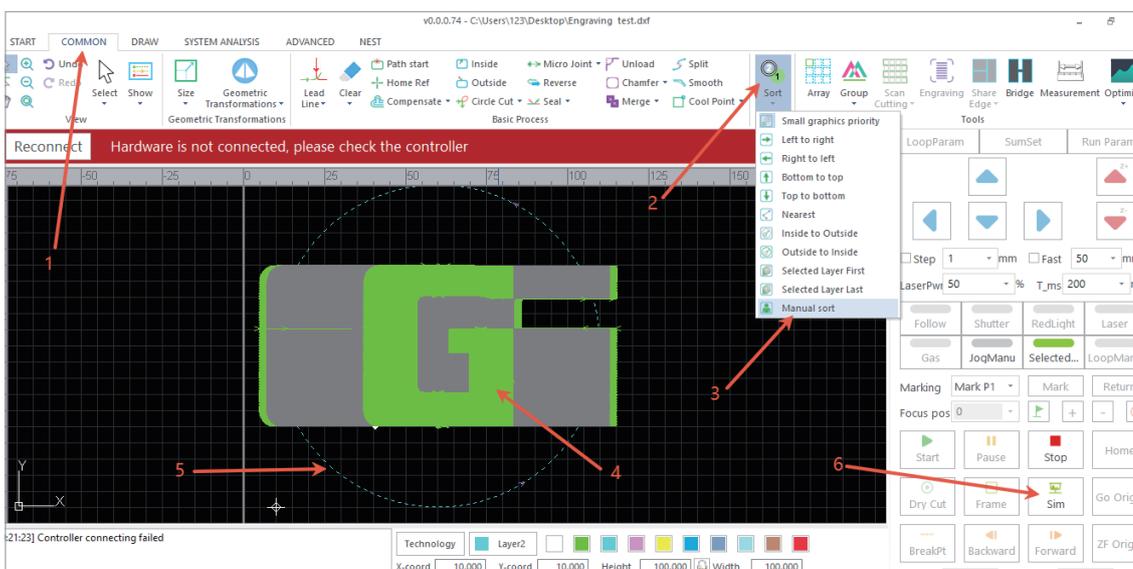


10. Select the graph to be marked - "Common" - "Scan engraving" - "Convert to marking drawing" (confirm whether the backlash is correct), select the graph to be cut, and change it to the second layer (different colors represent different layers).

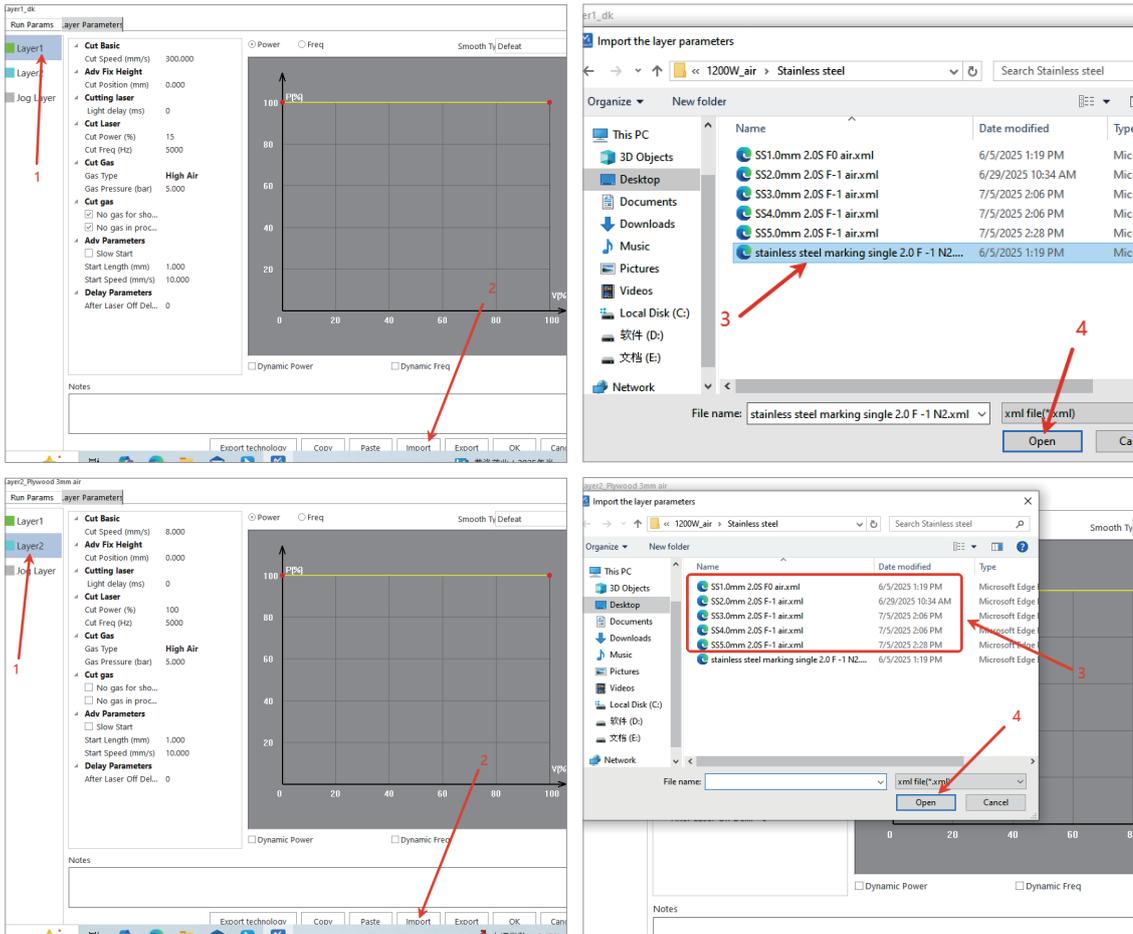




11. Select the graph - "Common" - "Sort" - "Manual sorting", engrave first then cut, and then simulate.



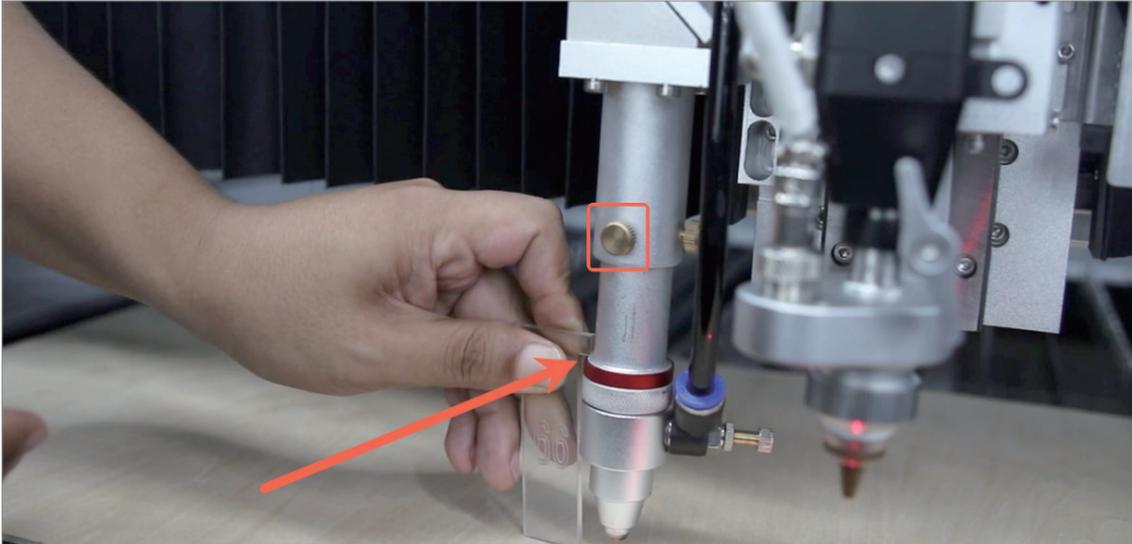
12. Import marking parameters (speed 300mm/s ~ 800mm/s) for the first layer, and import cutting parameters according to the material thickness for the second layer.



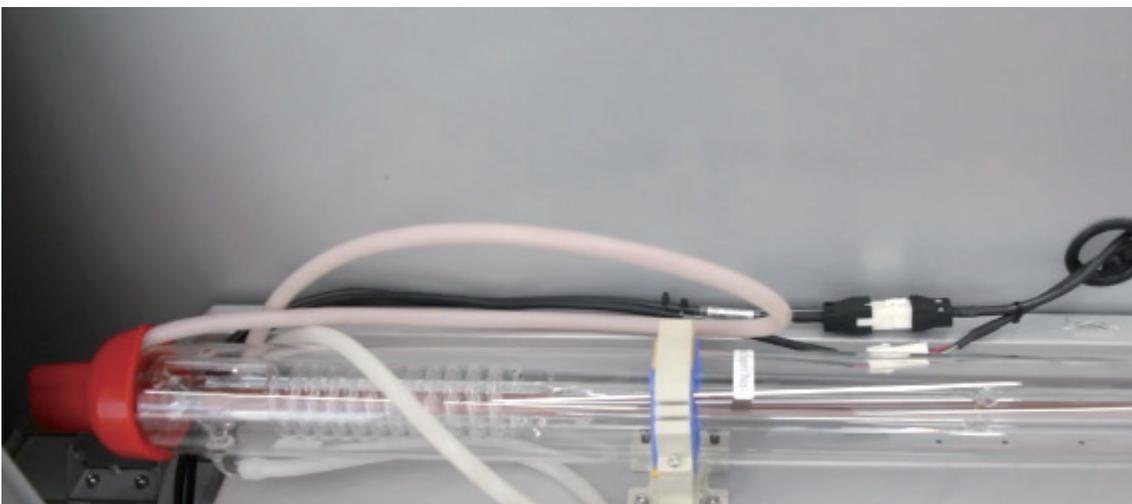
13. Use the composite keys to perform quick calibration, trace the border (ensure the red light is on the plate), and start processing.



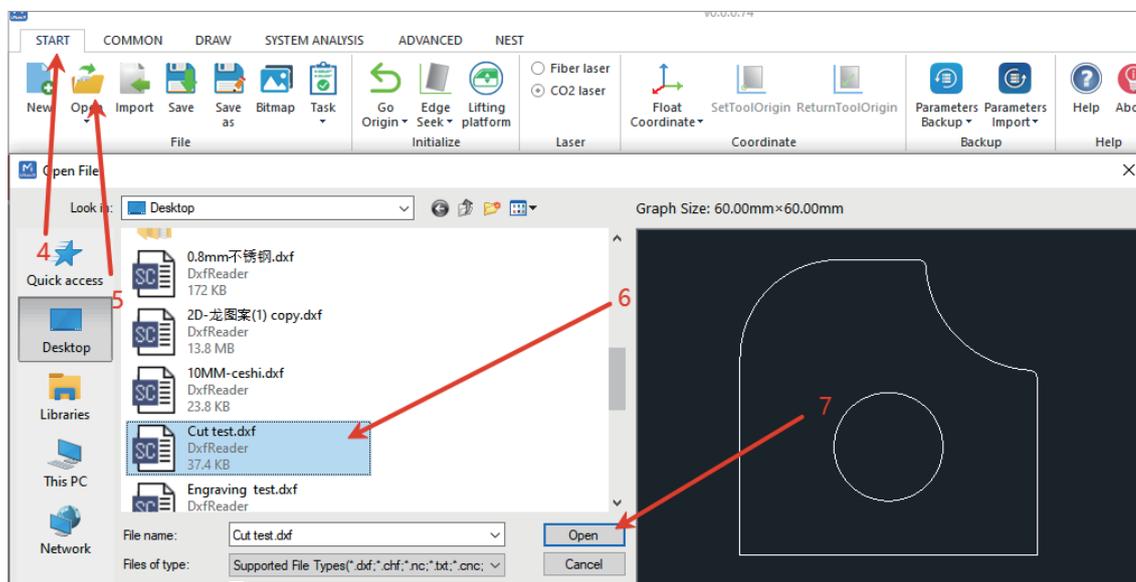
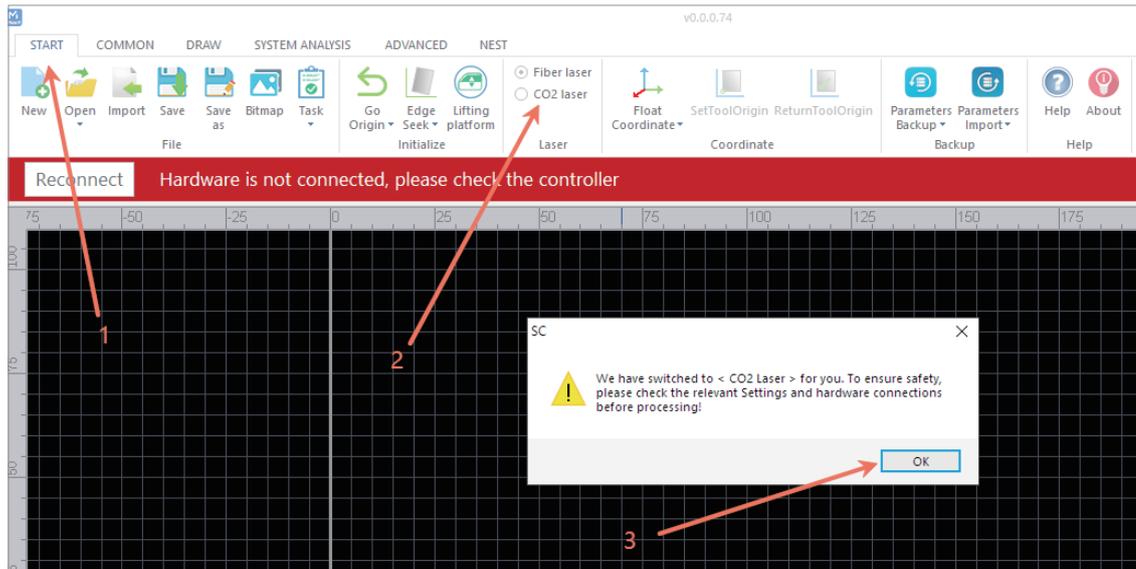
14. For CO2 cutting function: Use the built-in focusing tool to focus the CO2 cutting head.



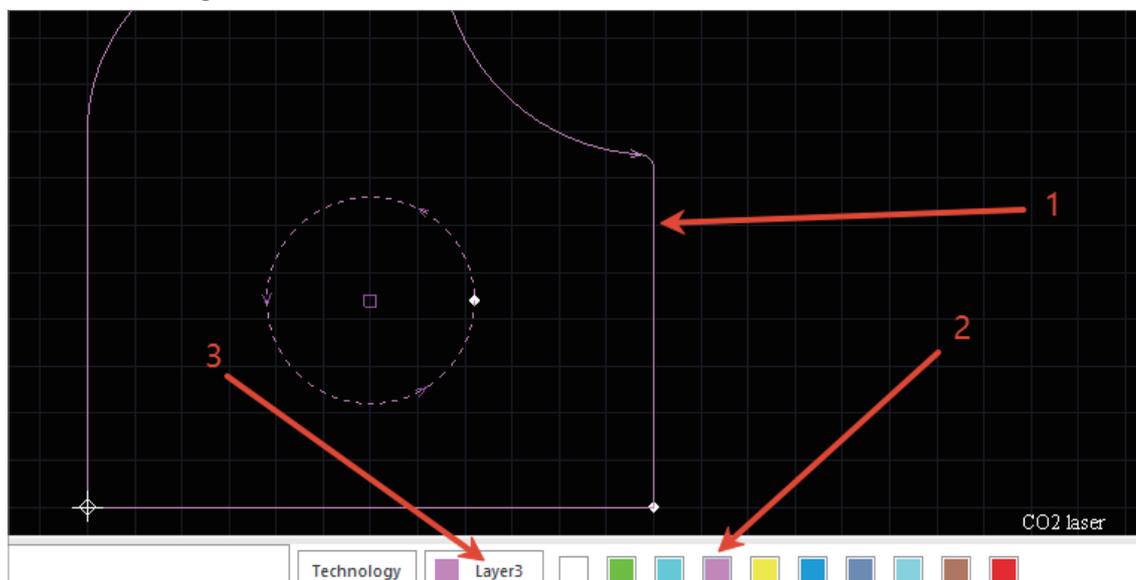
15. Turn on the fan, water chiller, and CO2 switch button in sequence. Make sure that the laser tube is filled with water without any bubbles.

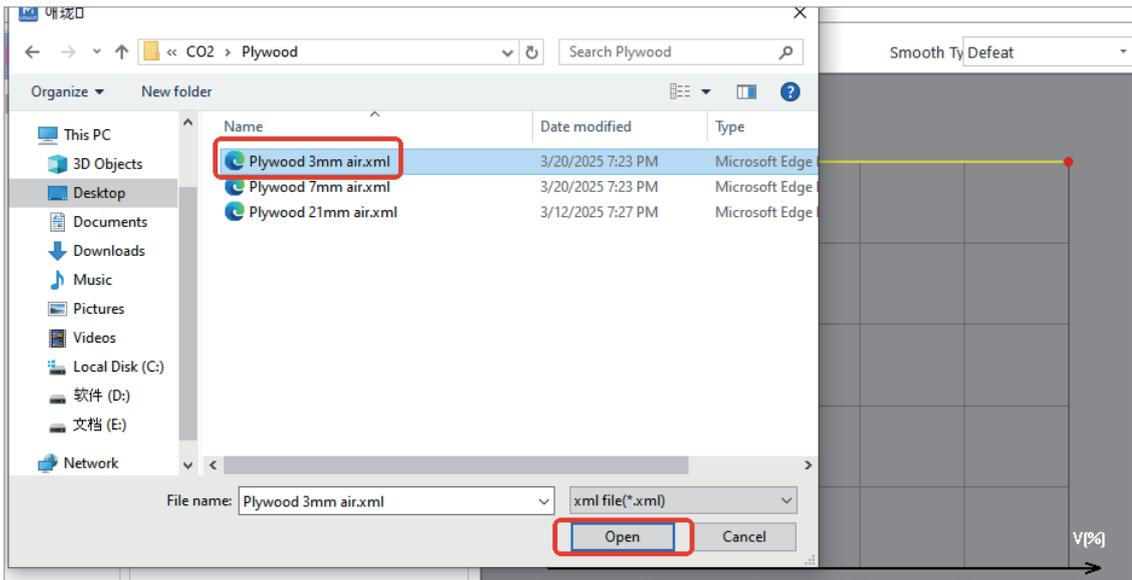


16. Switch to CO2 mode ("Start" - "CO2 Laser"), and import the cutting drawing.

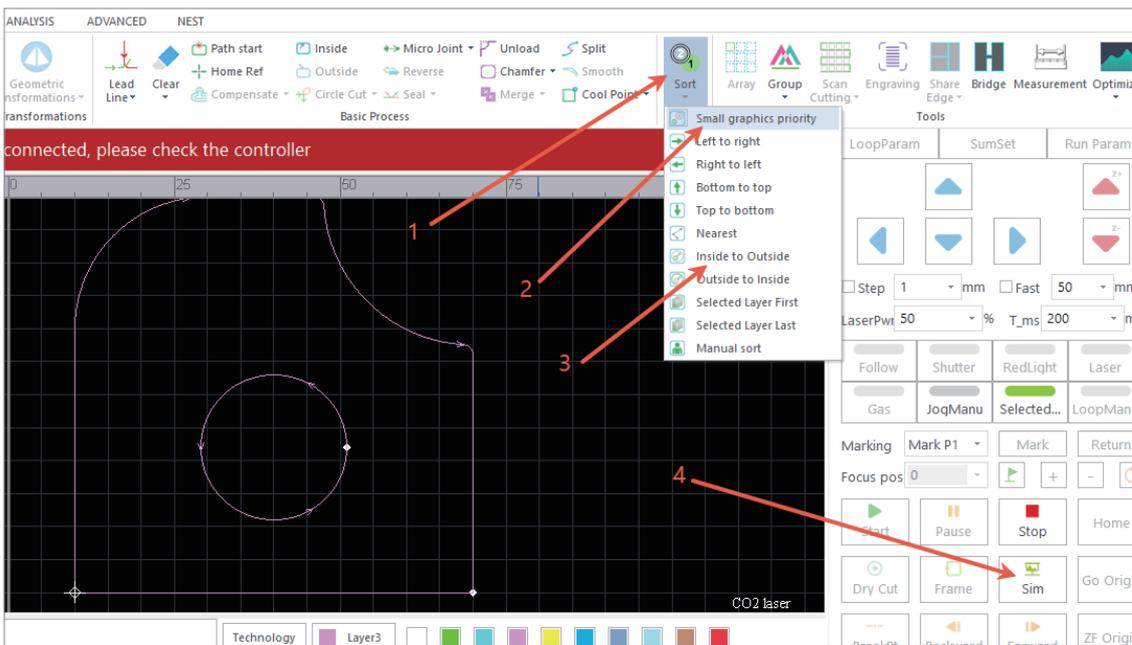


17. Select the graph, change the color, and import CO2 cutting parameters according to the material (the first green layer is for engraving, and other colors are for cutting).





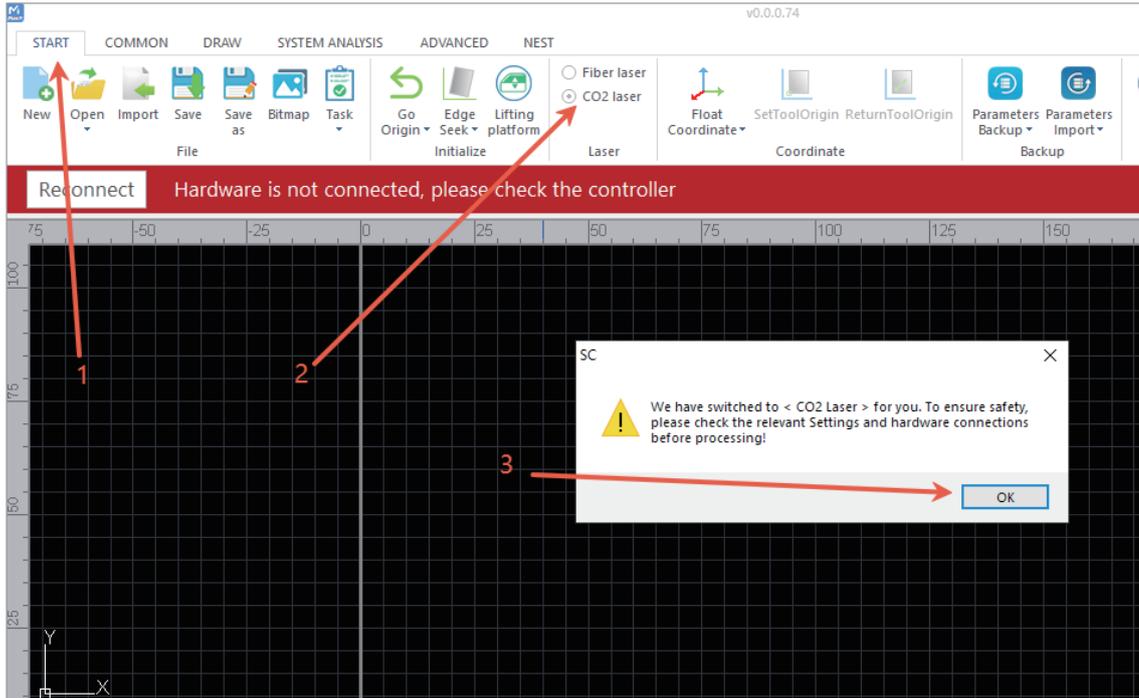
18. Select the graph - "Common" - "Sort" - "Small graphs first", and simulate cutting.



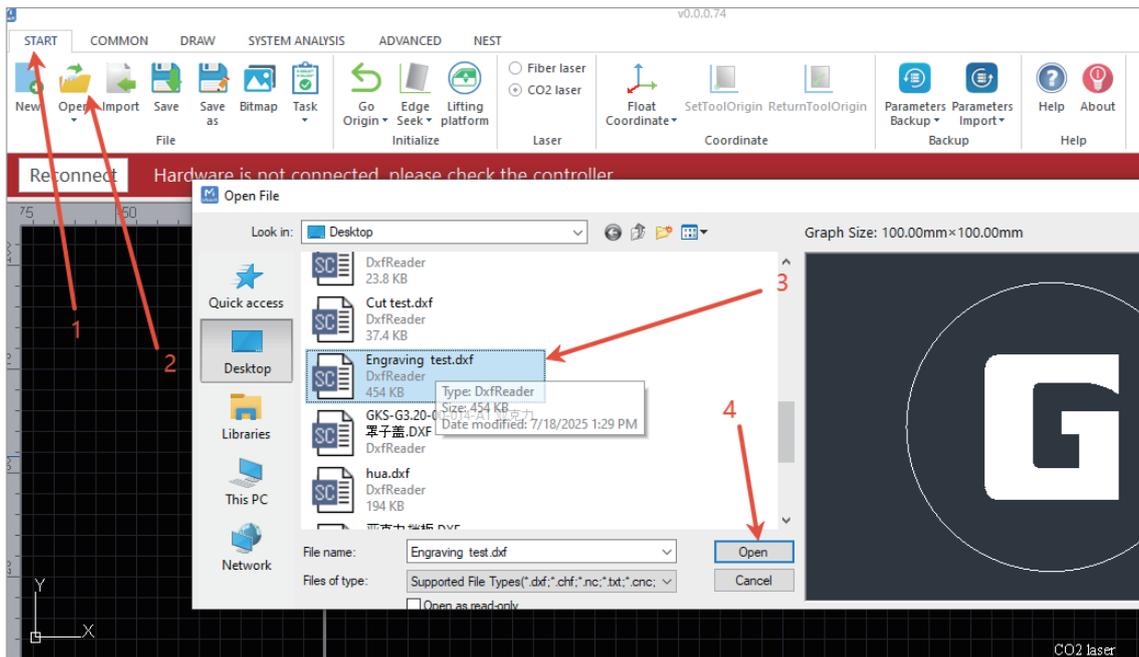
19. Trace the border - start cutting.



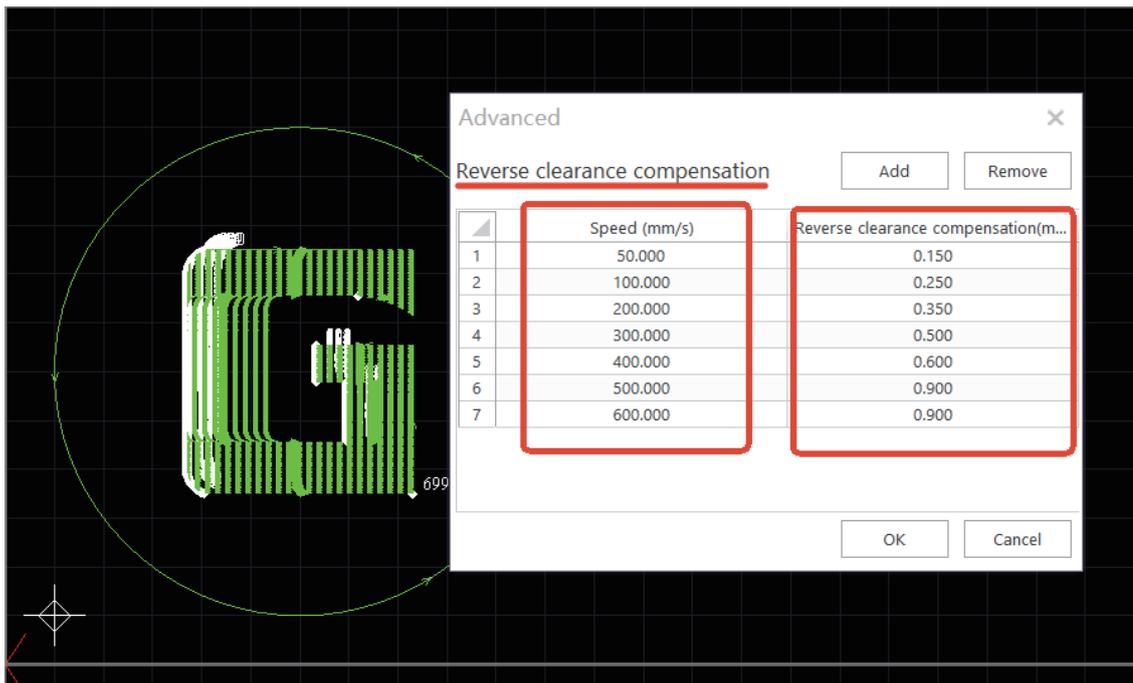
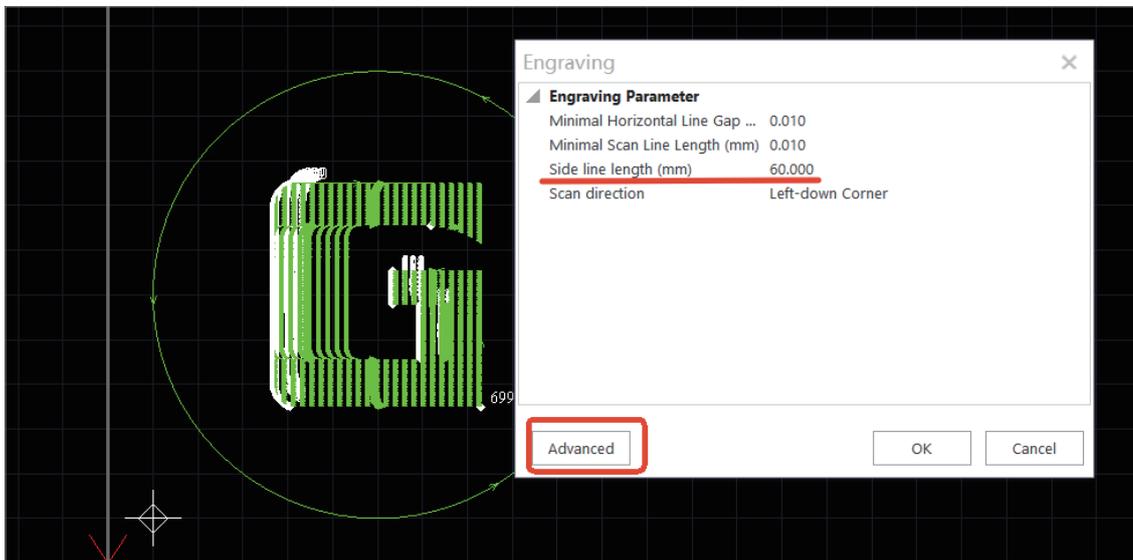
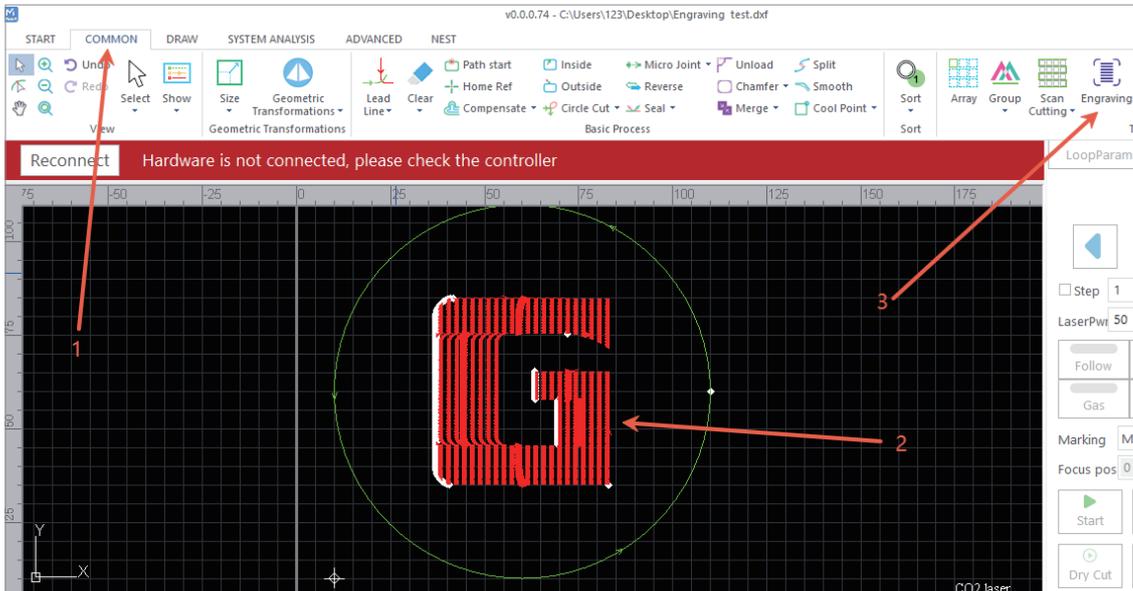
20. For CO2 engraving function: Switch to CO2 mode.

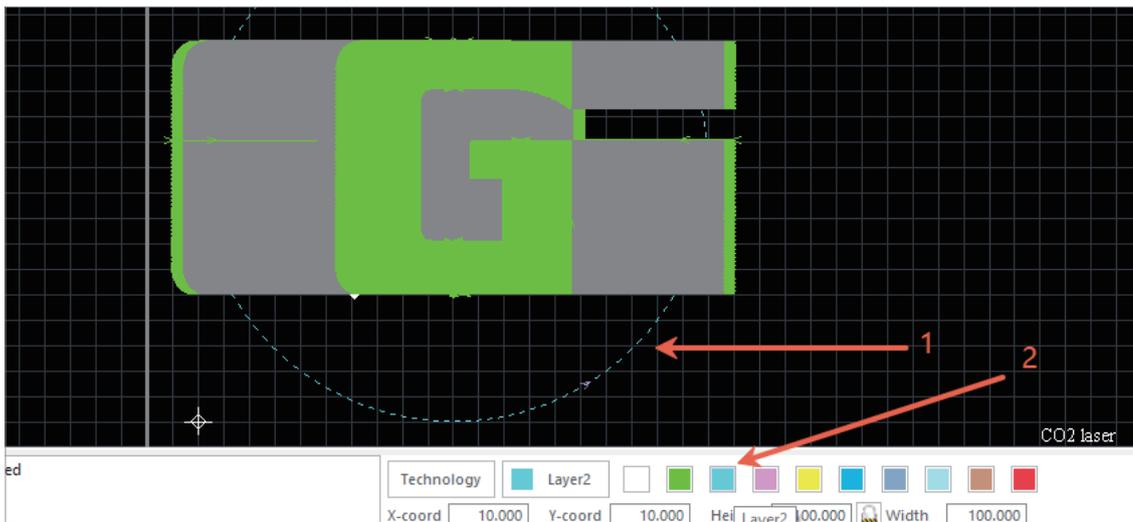


21. Import the engraving drawing.

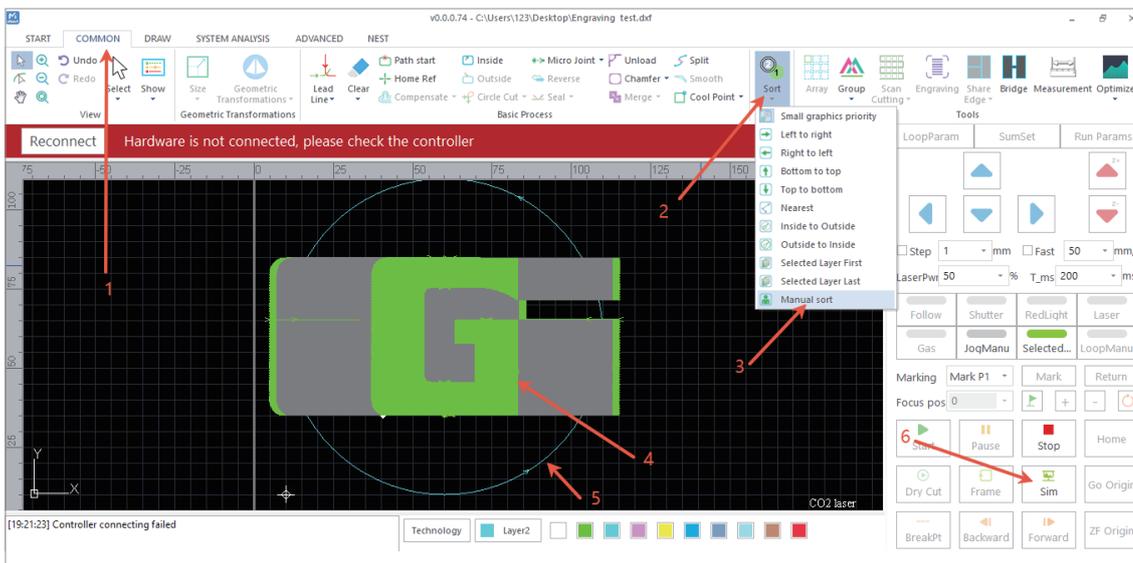


22. Select the graph to be marked - "Common" - "Scan engraving" - "Convert to marking drawing" (confirm whether the backlash is correct), select the graph to be cut, and change it to the second layer (different colors represent different layers).

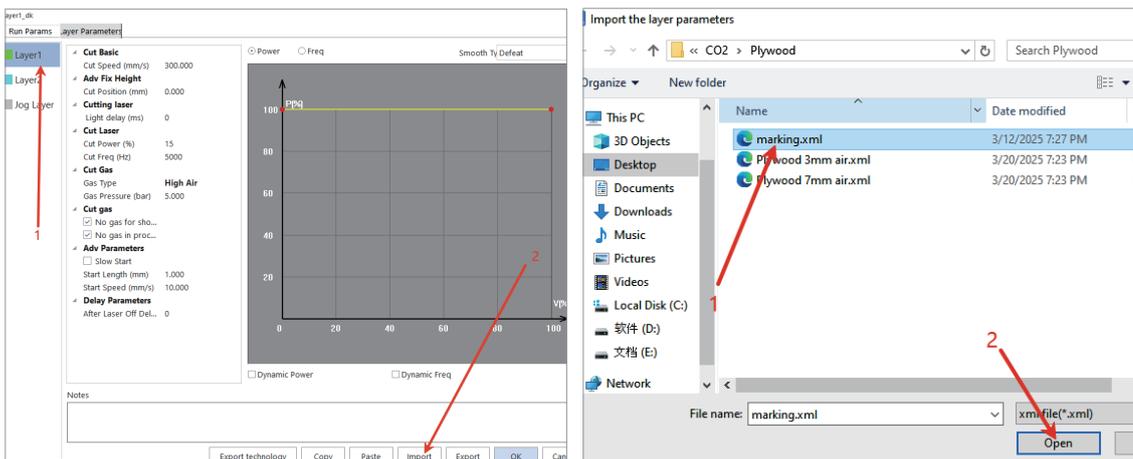


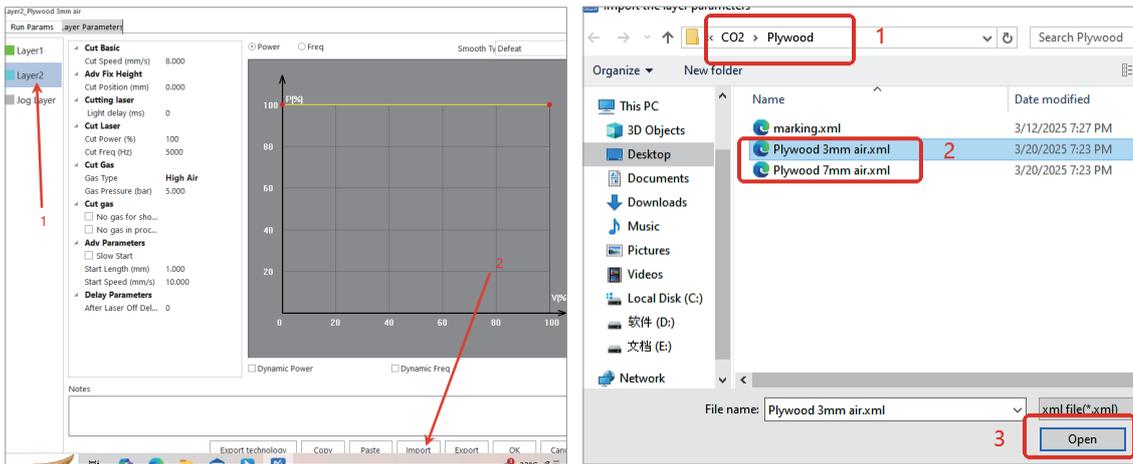


23. Select the graph - "Common" - "Sort" - "Manual sorting", engrave first then cut, and then simulate.



24. Import marking parameters (speed 300mm/s ~ 800mm/s) for the first layer, and import cutting parameters according to the material thickness for the second layer.





25. Click "Start" for CO2 engraving and cutting.

