

G·WEIKE

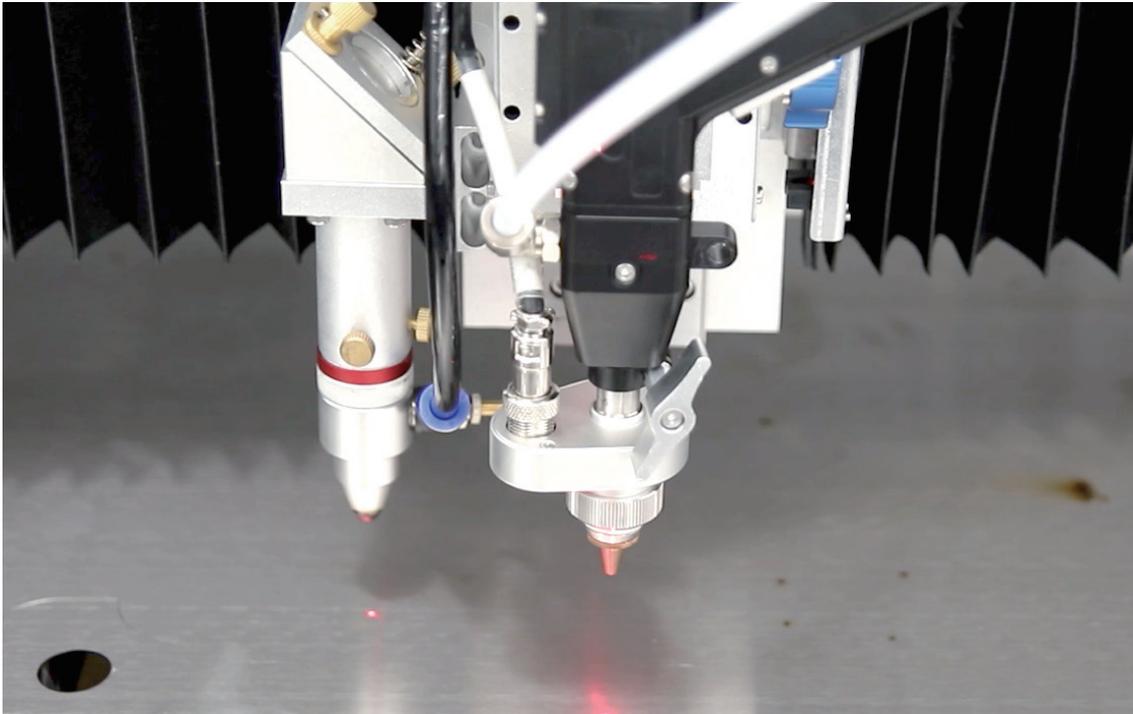
M Series

Installation Manual



Calibration + flight cutting

1. Ensure there is a metal plate under the laser head before calibration.



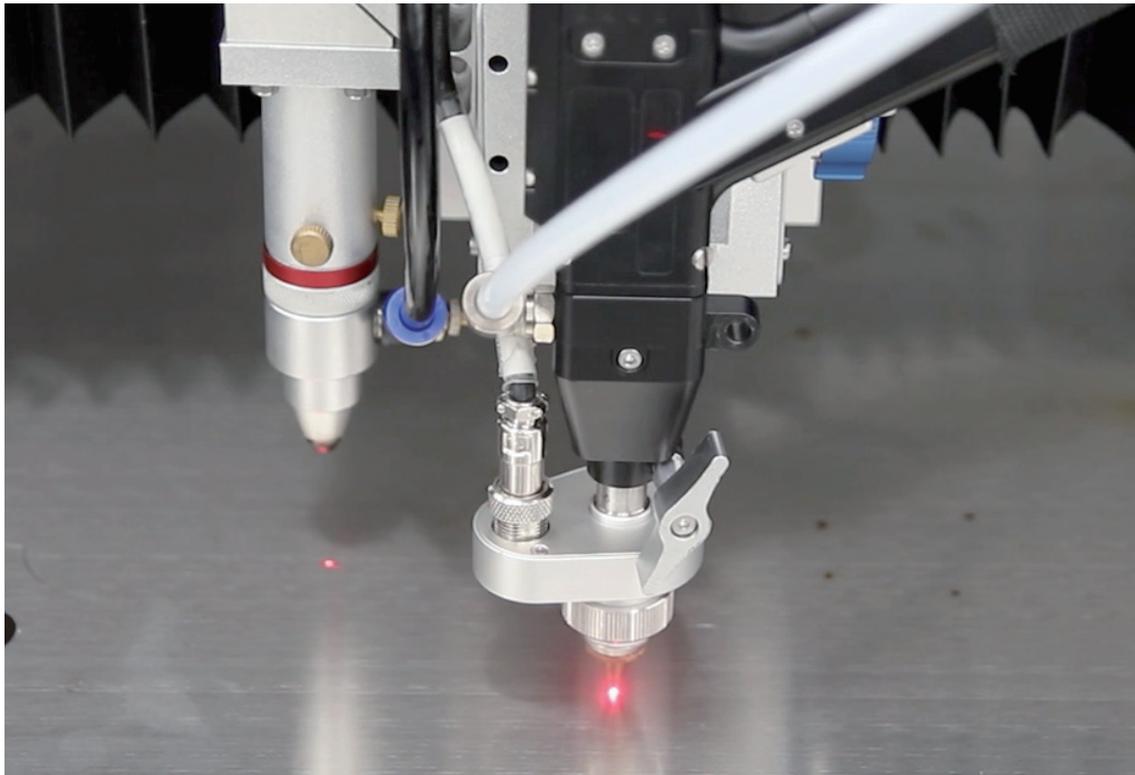
2. Click System Analysis - FTC - Floating - head Calibration.

The screenshot shows the software interface with the following elements:

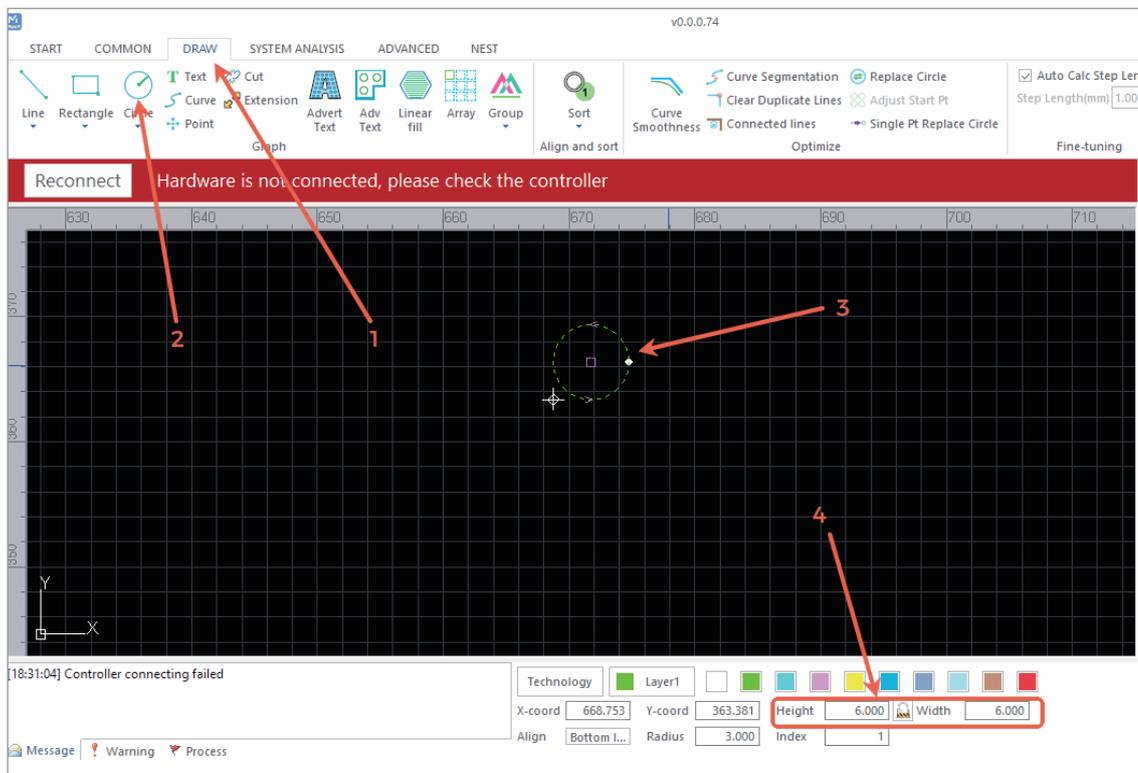
- Menu Bar:** START, COMMON, DRAW, SYSTEM ANALYSIS, ADVANCED, NEST
- System Analysis Panel:** Log, Device Report, Diagnostics, Work Report [New], Work Report [All], Work Report [New]
- Status Bar:** Reconnect, Hardware is not connected, please check the controller
- Run Status Table:**

Raise the info...	0
Alarm status	0
Running status	0
Run Command	0
Signal Strength	0
Signal height	0
Axis position	0
Current speed	0
Following error	0
Follow time	3
Plate coordin...	0
Real-time sign...	0
Signal compe...	0
Soft lower limi...	0
Number of pa...	0
Maximum pat...	0
Last patrol re...	0
Additional Inf...	0
- FTC Property Panel:**
 - Z Follower Parameters
 - Follow Tolerance ... 0.000
 - Drill Tolerance (m... 0.000
 - FTC
 - Z Follower Parameters
 - [Follow] KP para... 0
 - [Follow] KI param... 0
 - FTC
 - Z Follower Parameters
- Run Property Panel:**
 - ZF Run Speed: 200 mm/s
 - ZF Run Speed: 300 mm/s
 - Slow Joq Speed: 10 mm/s
 - Fast Joq Speed: 50 mm/s
 - ZF Dock Height: 20 mm
 - Enable Softw...
- Buttons:** Export Pa..., Import Pa..., Calib Data, Adv Mode, Write Par..., Refresh P..., Cancel

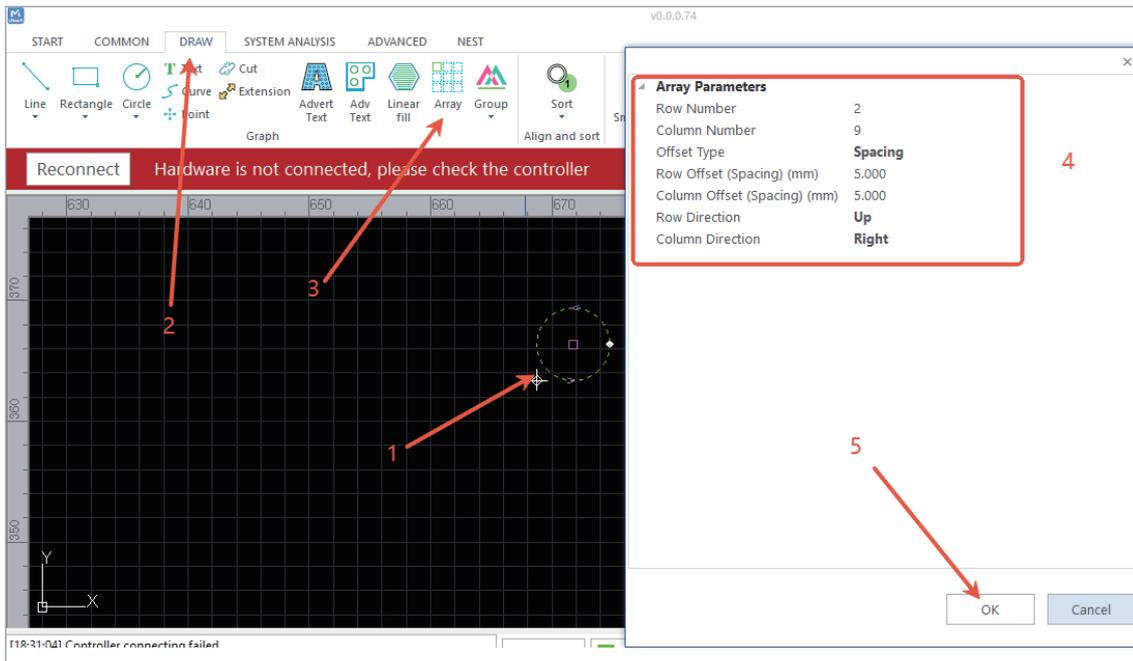
3. The laser head will descend to sense the metal; wait for the calibration to complete.



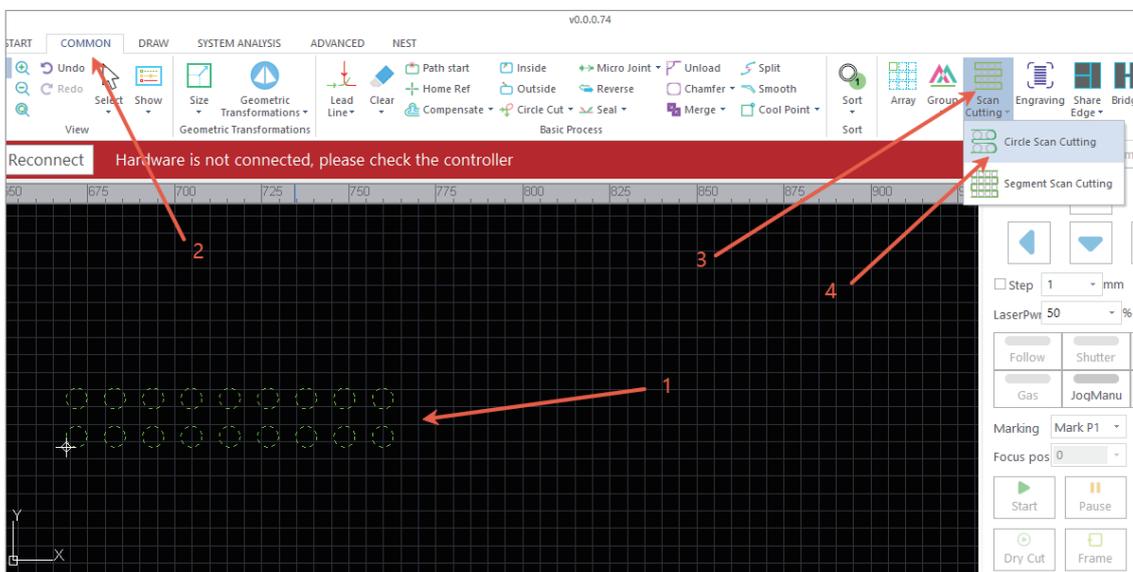
4. Click on "Drawing" - "Circle" to draw a small circle, select the (figure), and modify its dimensions.



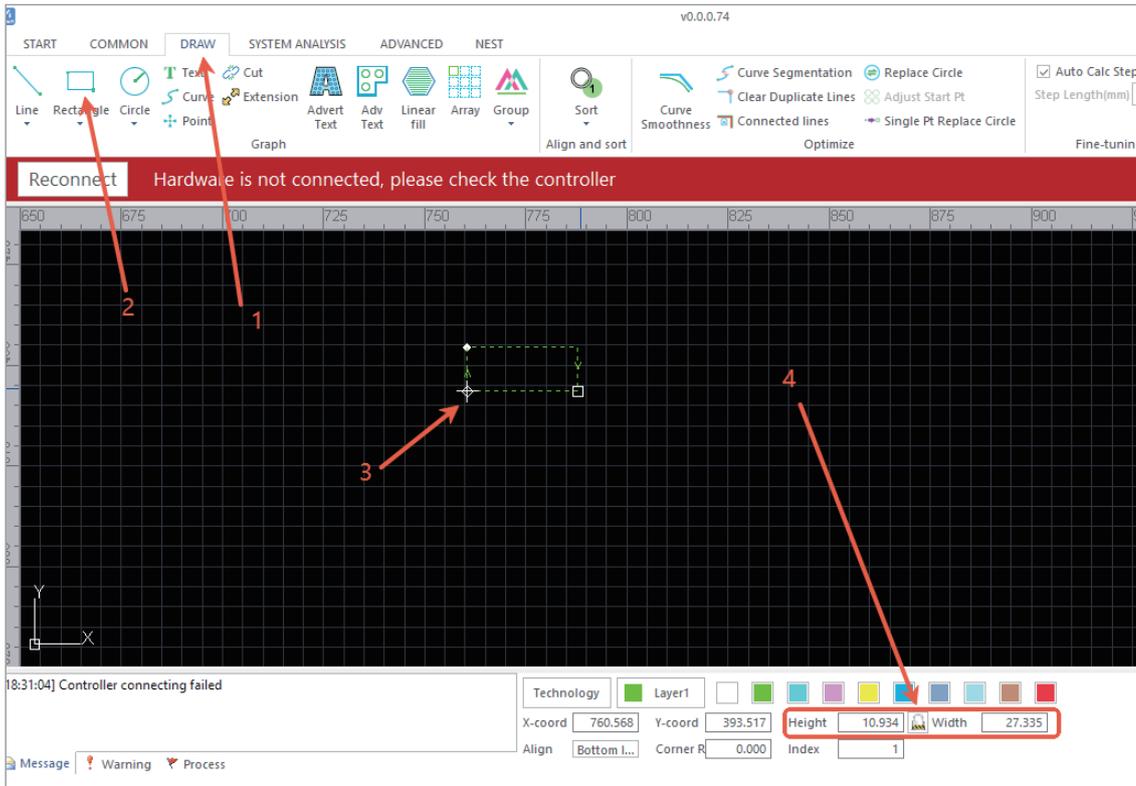
5. Select the figure, click "Array" (modify parameters according to the required quantity and interval).



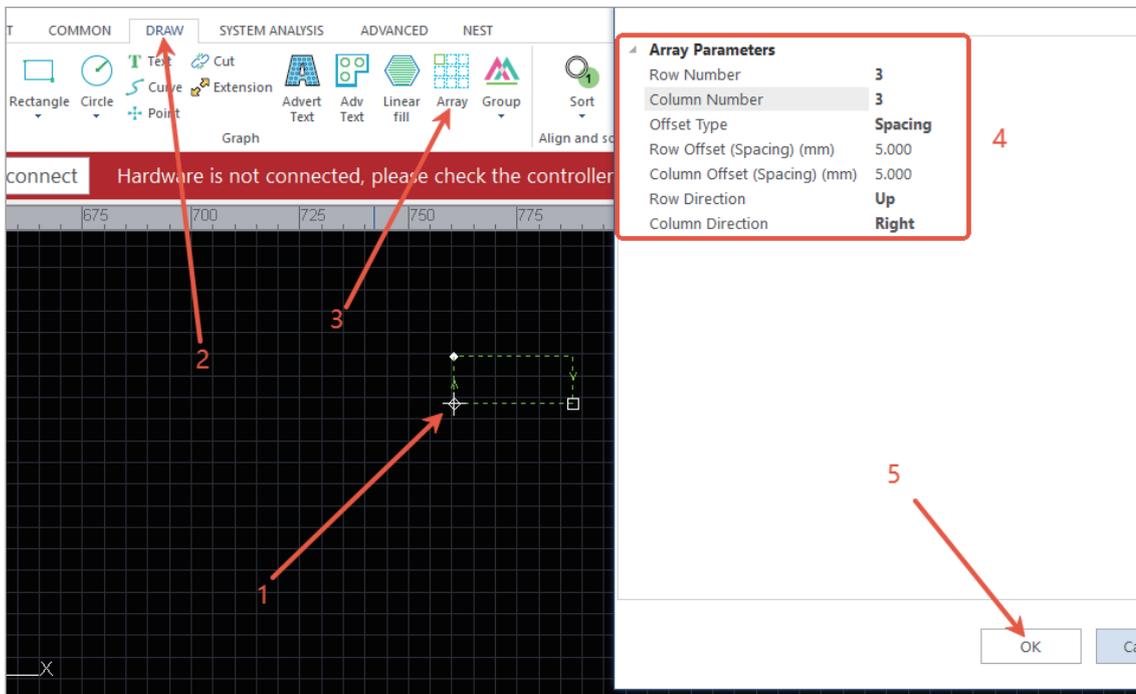
6. Select the patterned figure, click on "Common", find "Flying Cutting", and select "Arc Flying Cutting".



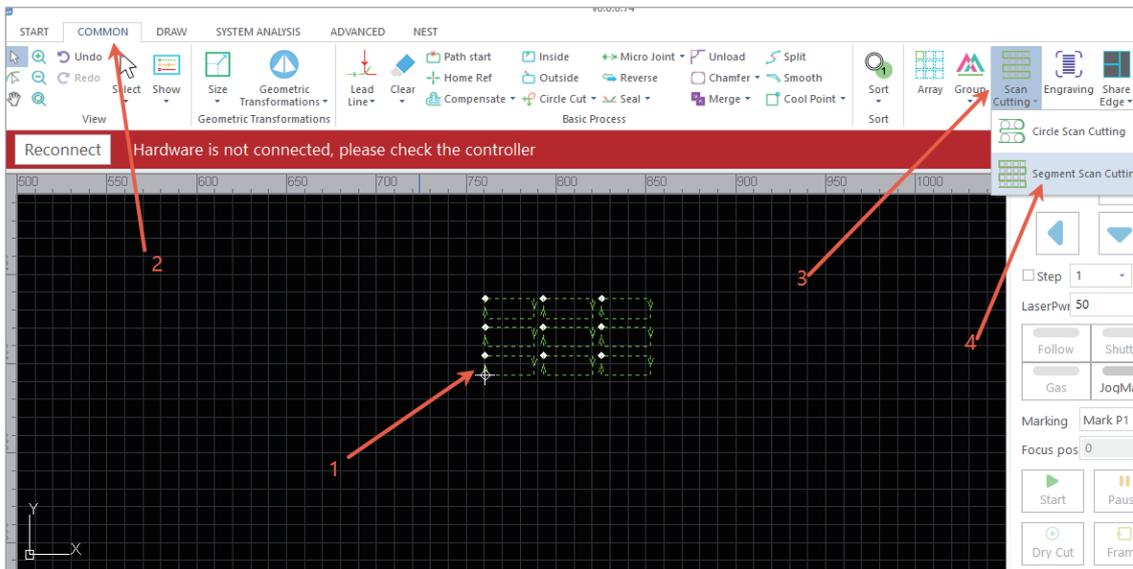
7. Click "Drawing" - draw a square - select the figure to modify its dimensions (the square needs to unlock the proportion to modify the length and width).



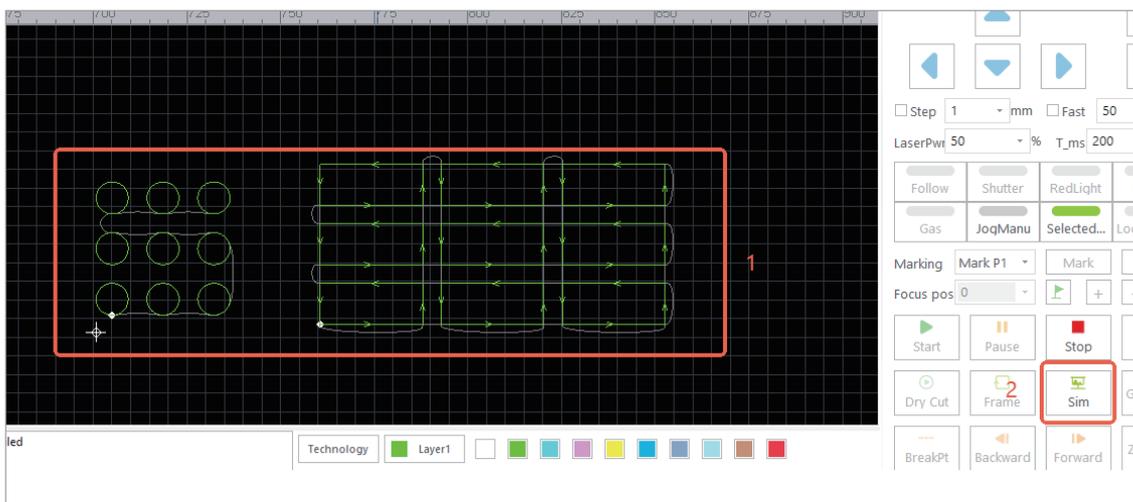
8. Select the figure, click "Array" (modify parameters according to the required quantity and interval)



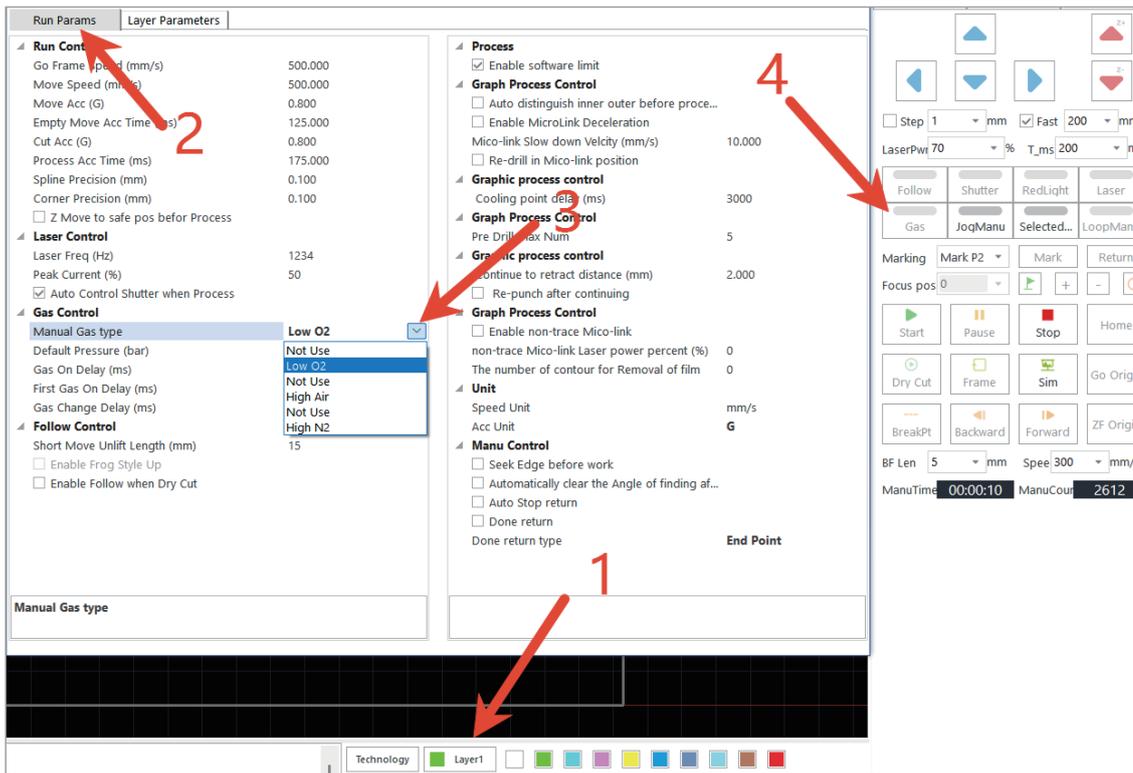
9. Select the patterned figure, click "Common", find "Flying Cutting", and select "Straight Flying Cutting".



10. Select the figure and click "Simulation" (the cutting process can be simulated in the software and the path will be displayed).



11. Click LAYER 1- Run Parameters-Select Gas-Click gas-Blowing test to check whether there is gas coming out.



12. Operate the handle - go along the frame - start cutting.



13. Note: Flying cutting is only applicable to batch cutting of regular graphics; irregular graphics cannot use flying cutting (the system will prompt that the graphics do not meet the conditions for flying cutting).

