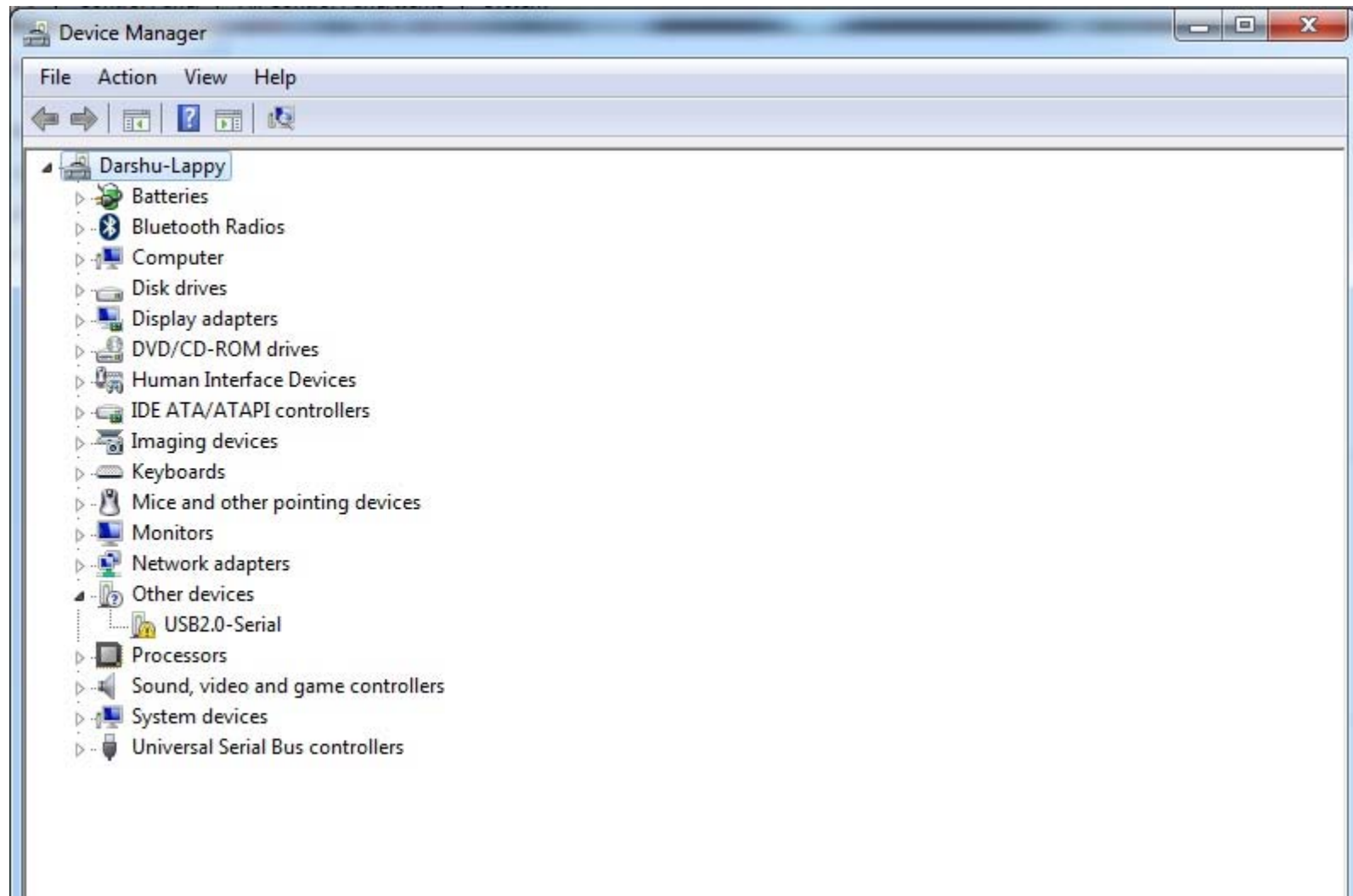


CNC_Controller-ESP32 User Guide(USB) V1.0

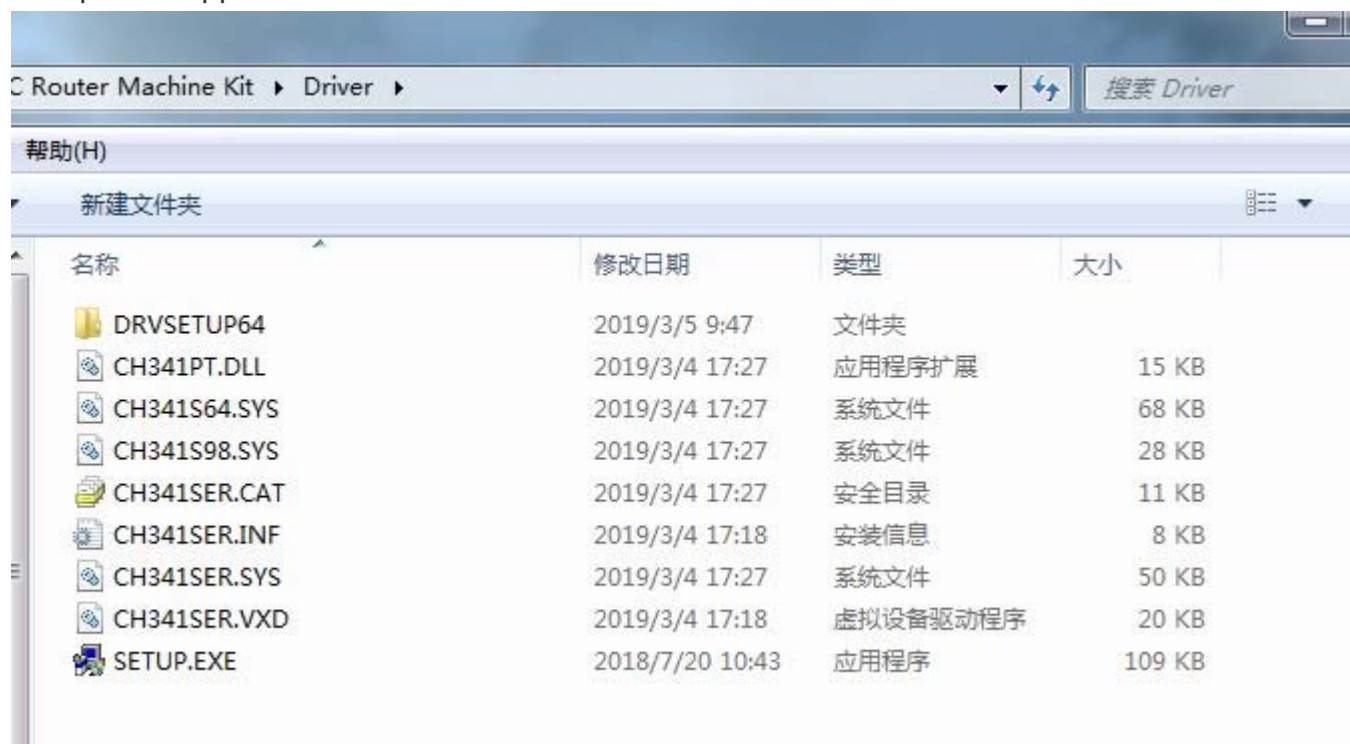
Powered by LEKN

1. Install CH340 Drivers

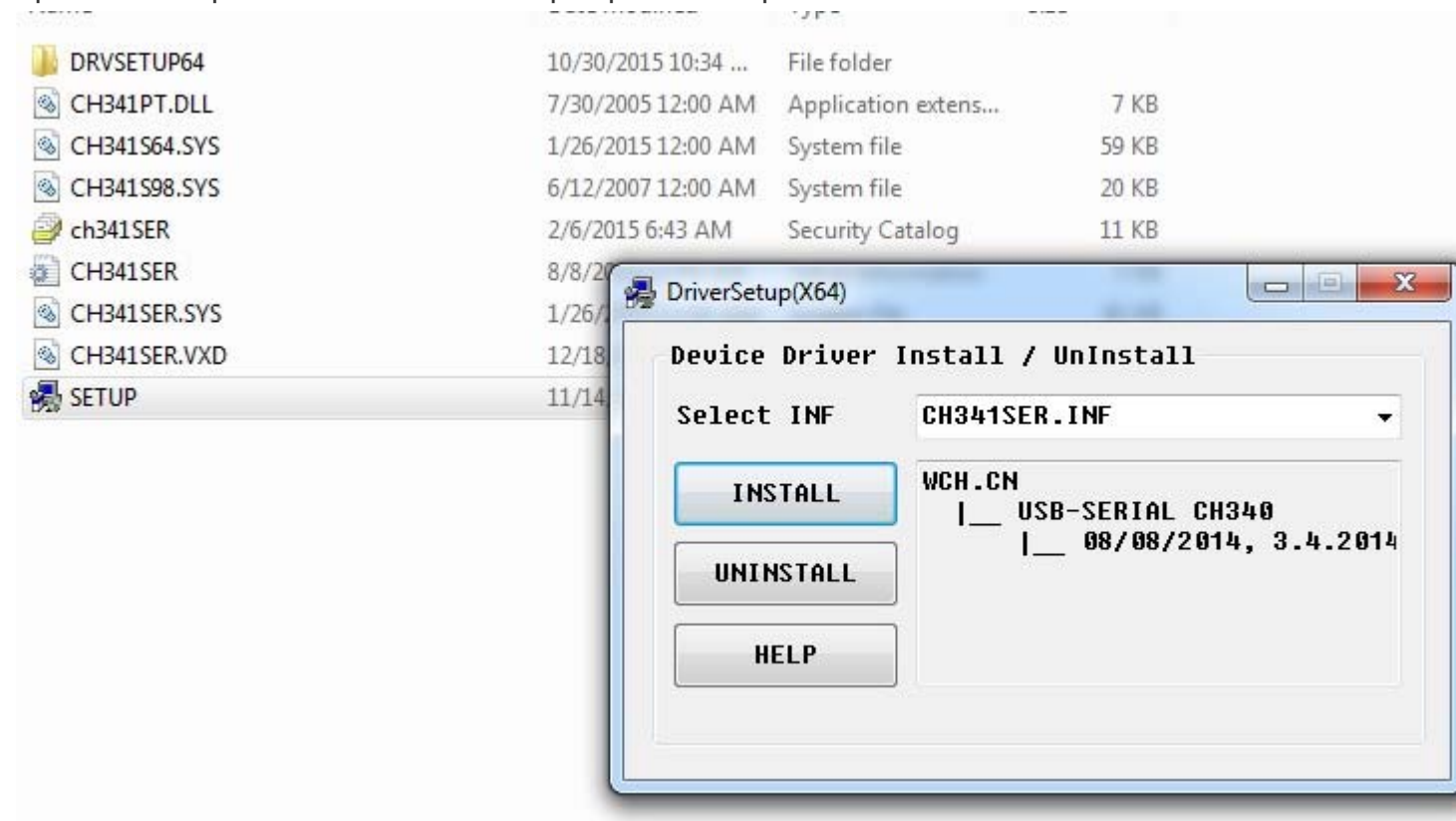
Initially connect your Machine Control Board to your PC. In the device manager it will show "USB2.0-Serial" (as shown in below figure) which means your ch340 driver has not been installed.



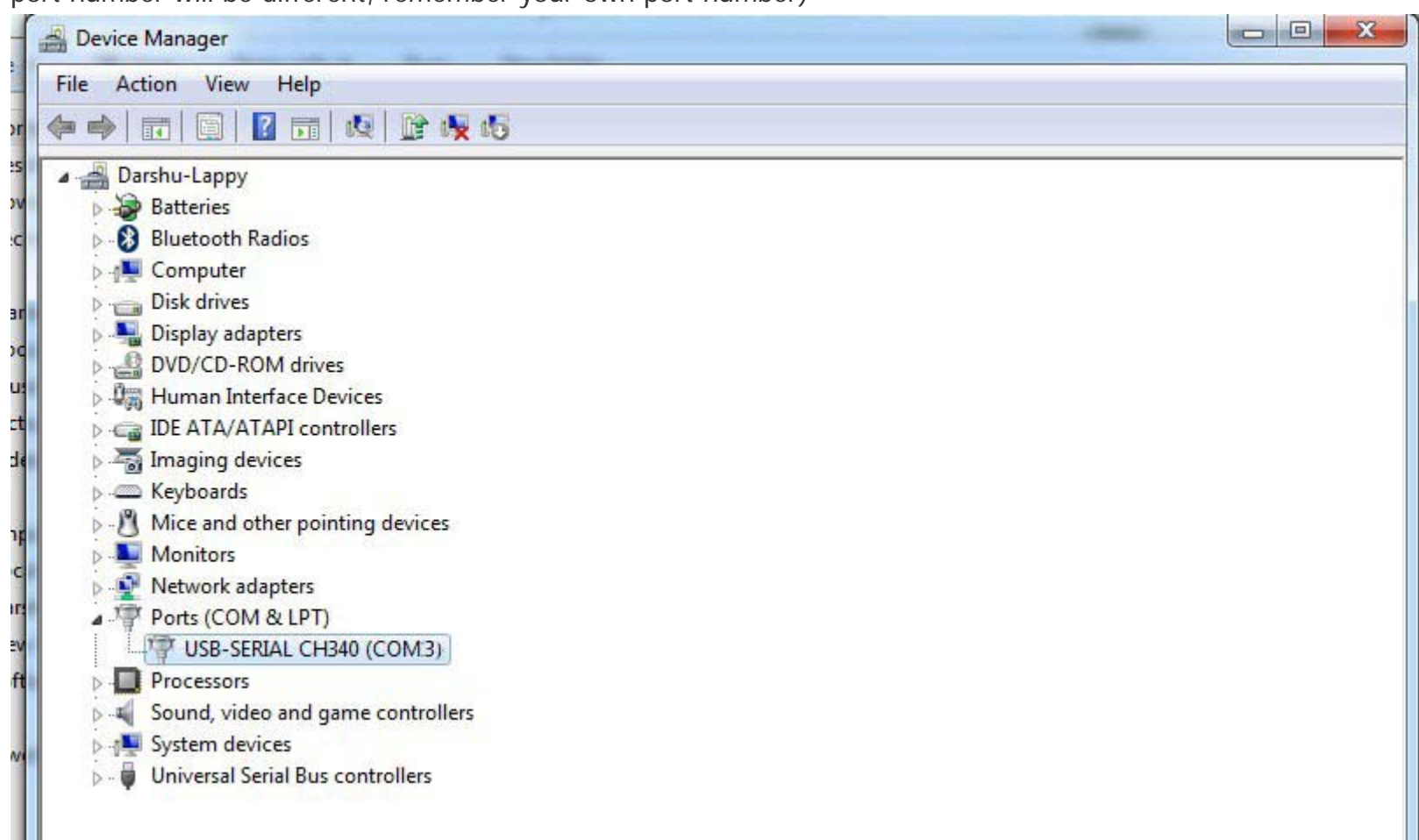
Now extract the CH340g drivers in a folder and in that you will find folder named "CH341SER" in which there will be a "setup.EXE" application file as shown below.



Open the setup file and a "Driver Setup" option will open. Just click on the install file.



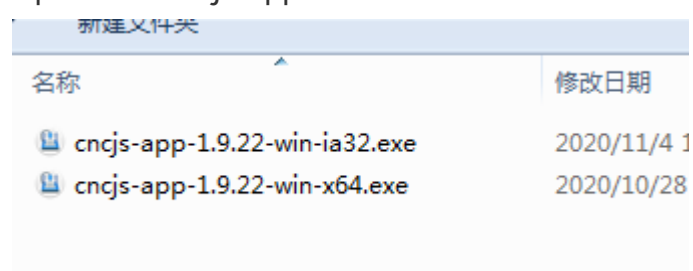
This installation takes some time. In my PC it took 1 minute so just have patience. Once installed it will show driver successfully installed. Now go again back to device manager and there you will see that the driver has been successfully been installed and a com port has been allotted. In below image you can see that "COM3" has been allotted for ch340g IC in my PC.(Everyone's port number will be different, remember your own port number)



Drivers for the ch340 IC has now been installed successfully.

2. Install Control Software "CNCjs"

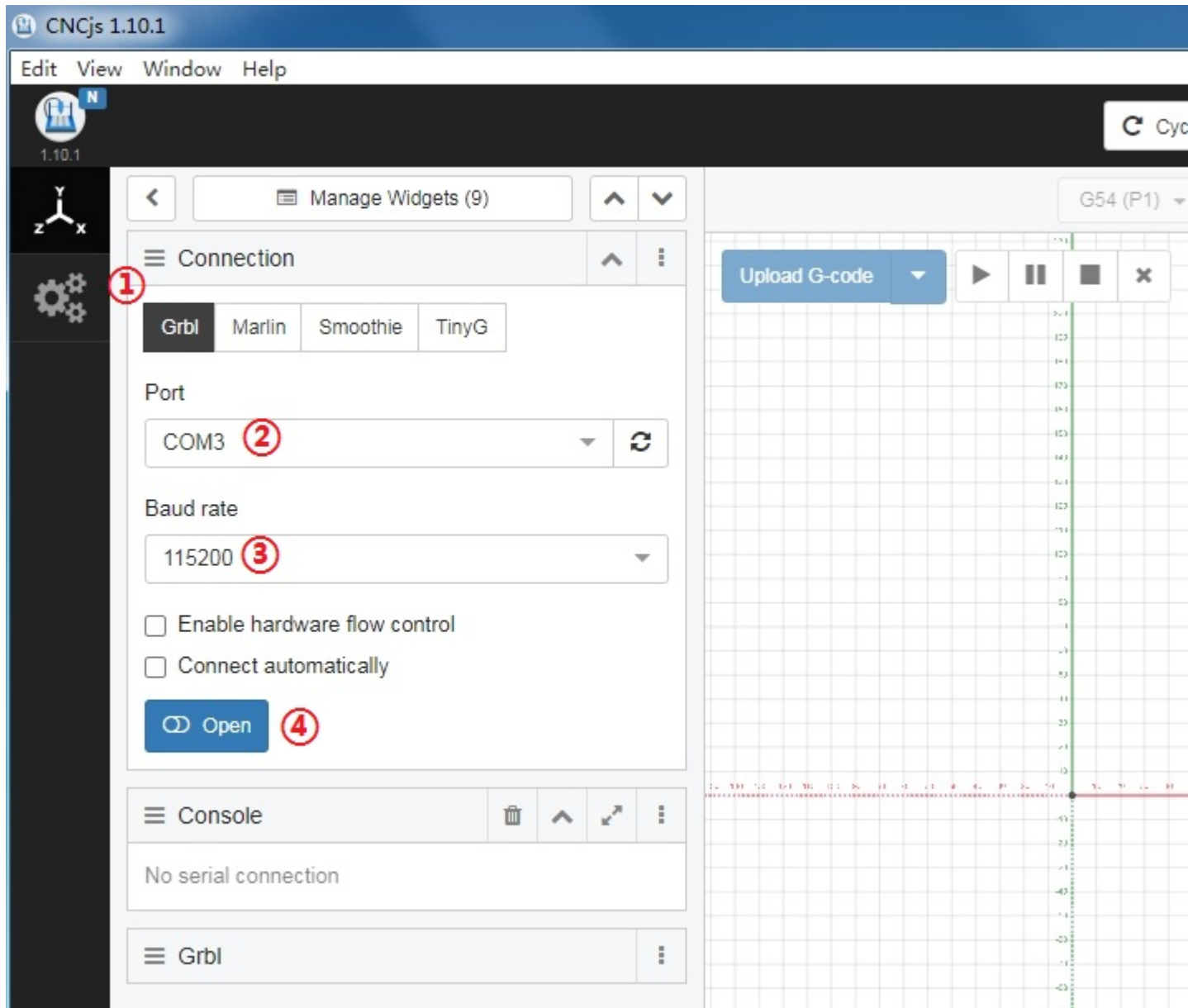
Open the "cncjs-app-1.9.22-win.exe" file to install. Just click "next".



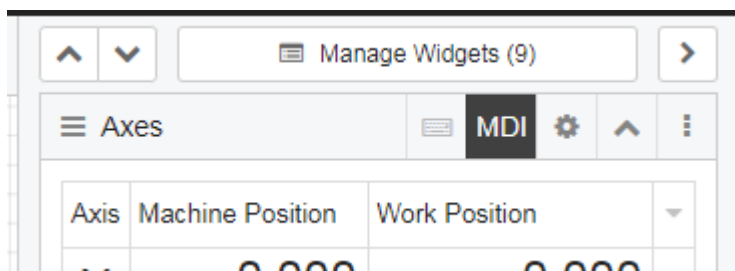


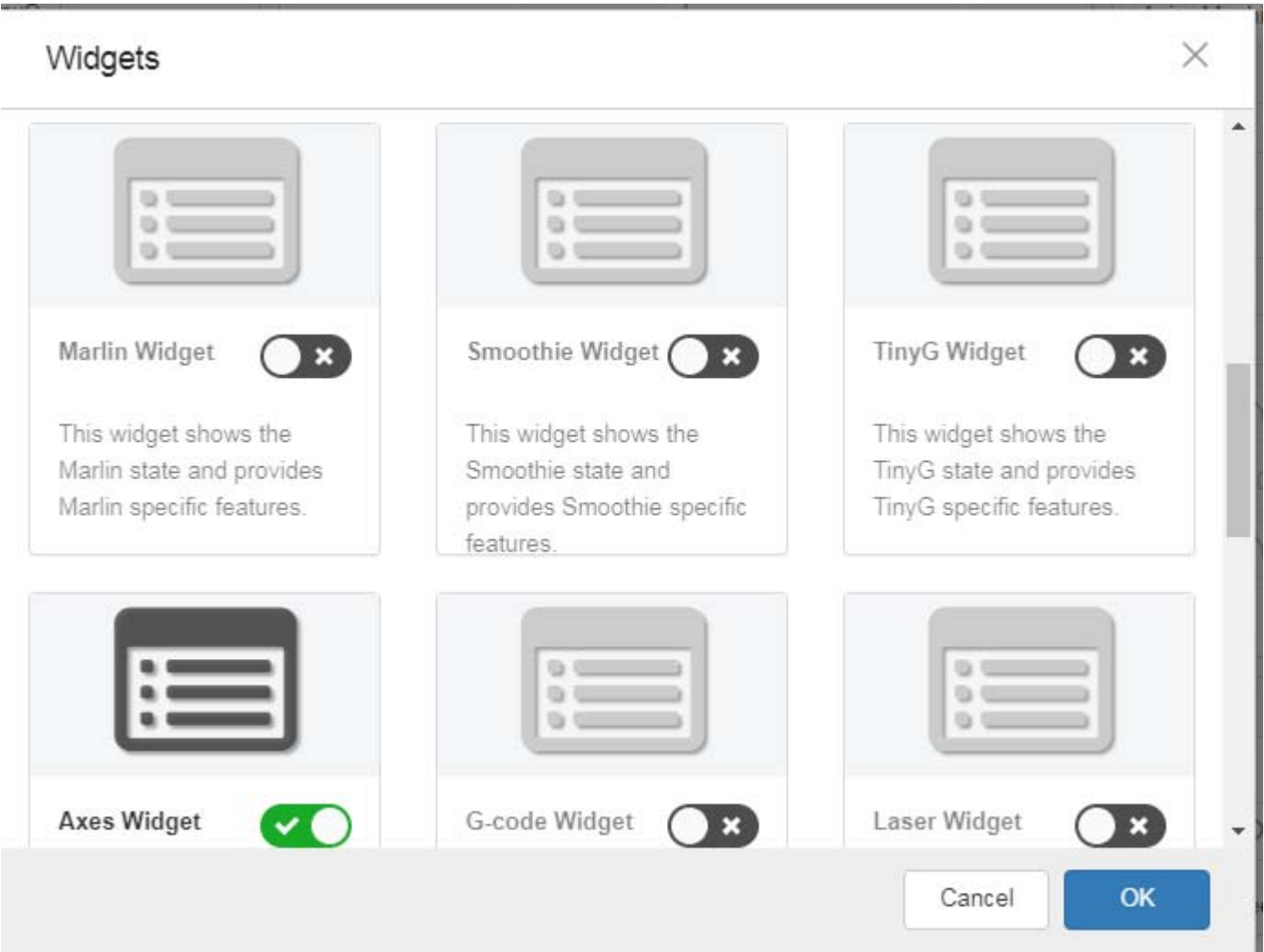
After installation is complete, double-click the shortcut to open the software

- ① System selection Grbl
- ② Select port of the motherboard
- ③ Baud rate 115200
- ④ Click the blue open button to connect to the motherboard



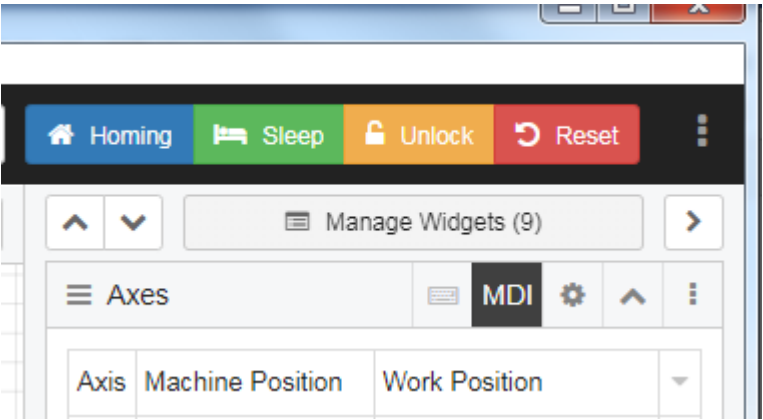
Click Manage Widgets, You can turn off some widget you don't currently use: Marlin widget, Smoothie widget, TinyG widget, G-code widget, Laser widget, Macro widget, Probe widget, Webcam widget



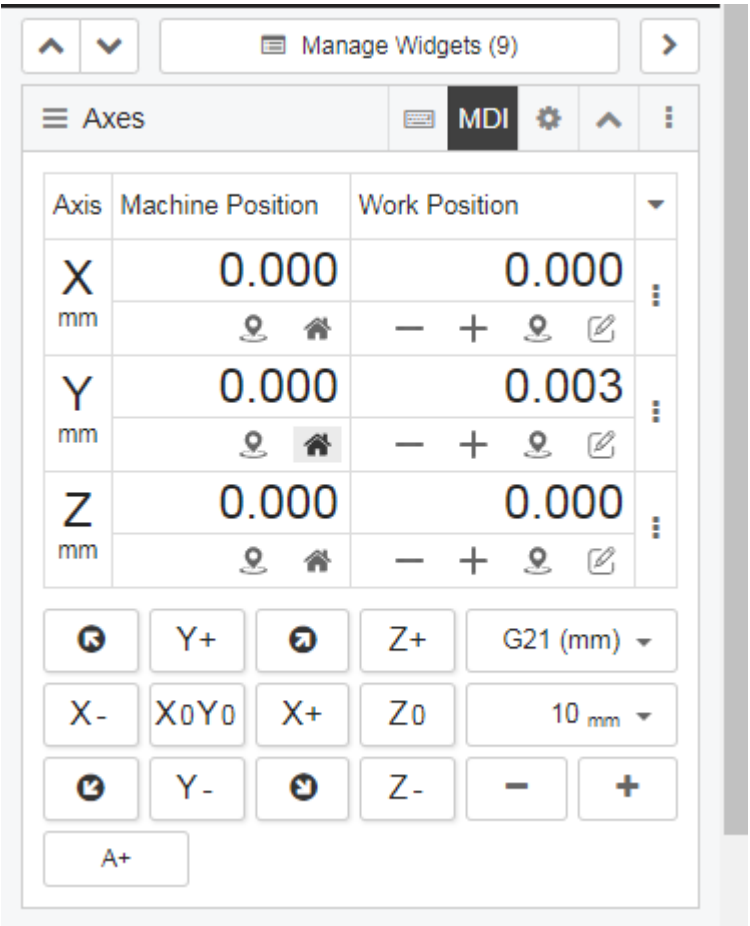


3.Software usage

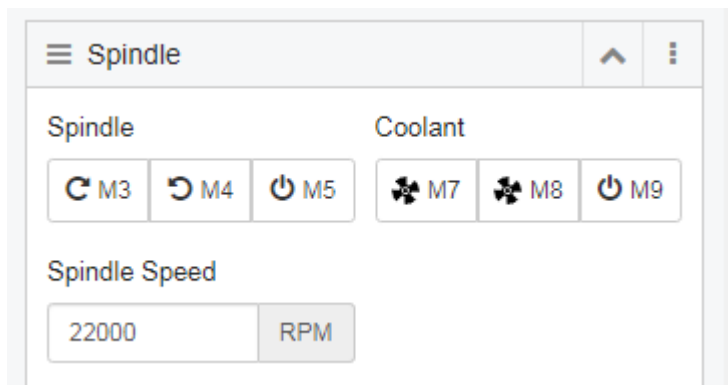
First, click on the Reset button



You can control the movement of each axis through the Axes Widgets

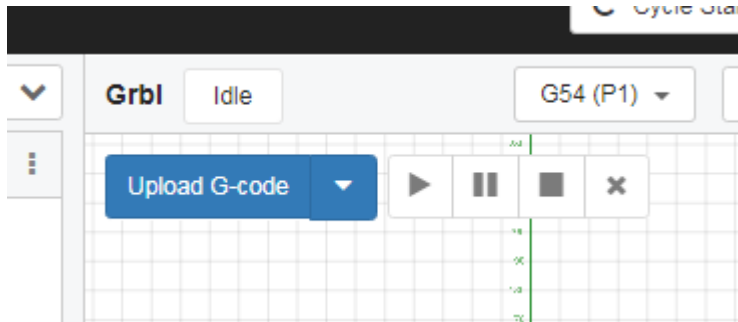


You can control the Spindle through the Spindle Widgets. M3 opens the spindle, M5 closes the spindle

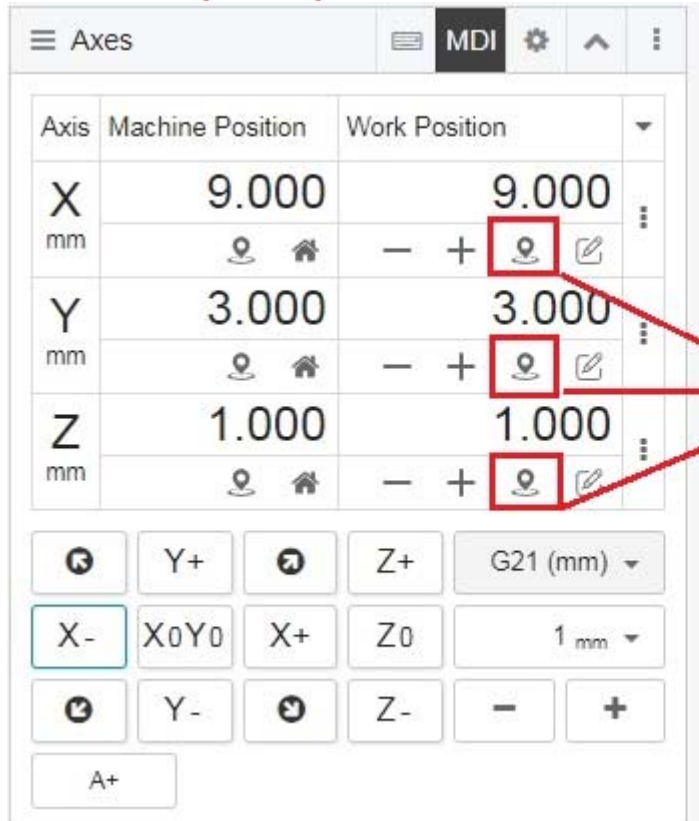


4. Engraving test

Click on "Upload G-code" on the software and select the file you want to carve

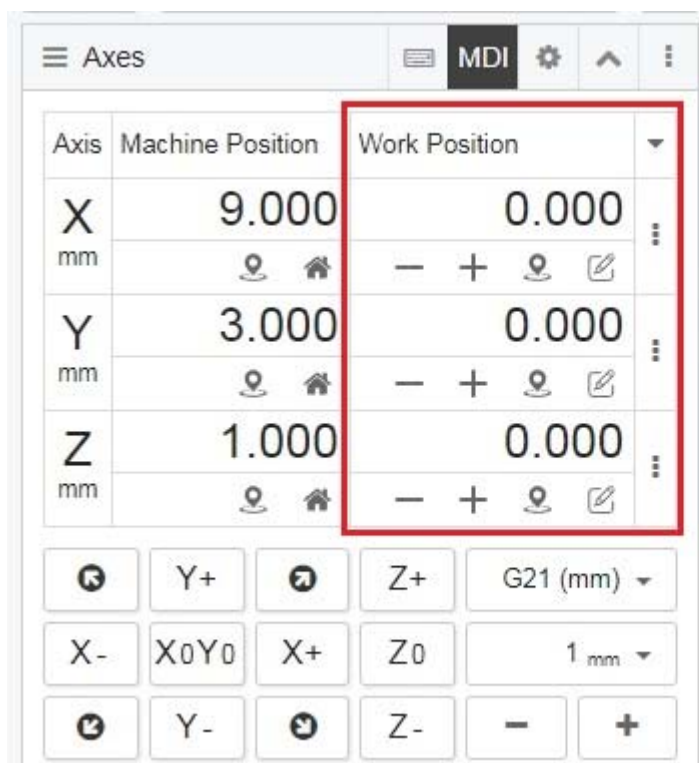


Before starting carving, we must first clear the work position of the X, Y, and Z axes





Before starting carving,
we must first clear the
Work Position

Make the Work Position (0,0,0)



Make the Work
Position (0,0,0)

Click the button  to start processing, and you can click pause  during the processing

