

DevCNC_Foam setup instructions

Download, install and run Arduino IDE from the below link

<https://www.arduino.cc/en/software>

Download and install DevCNCFoam from the below link

https://www.devcad.com/download/DevCncFoamSetup1_06b.exe

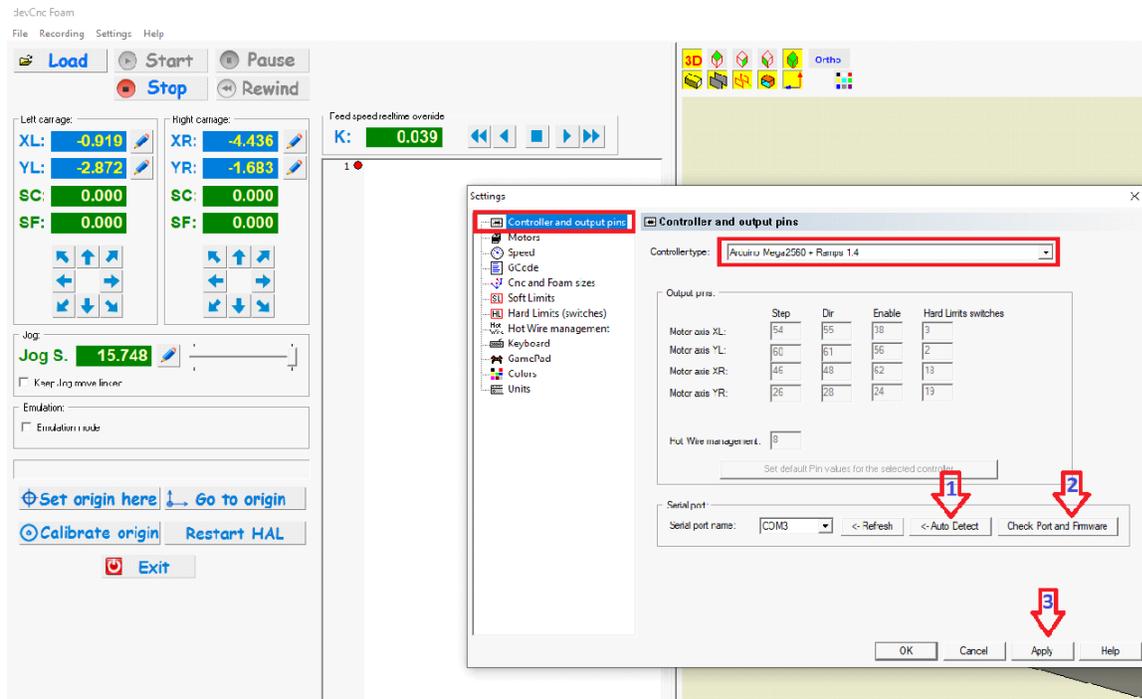
Run DevCNC and follow the settings as in the pictures below

Select the correct driver board “Arduino Mega2560 + Ramps 1.4”

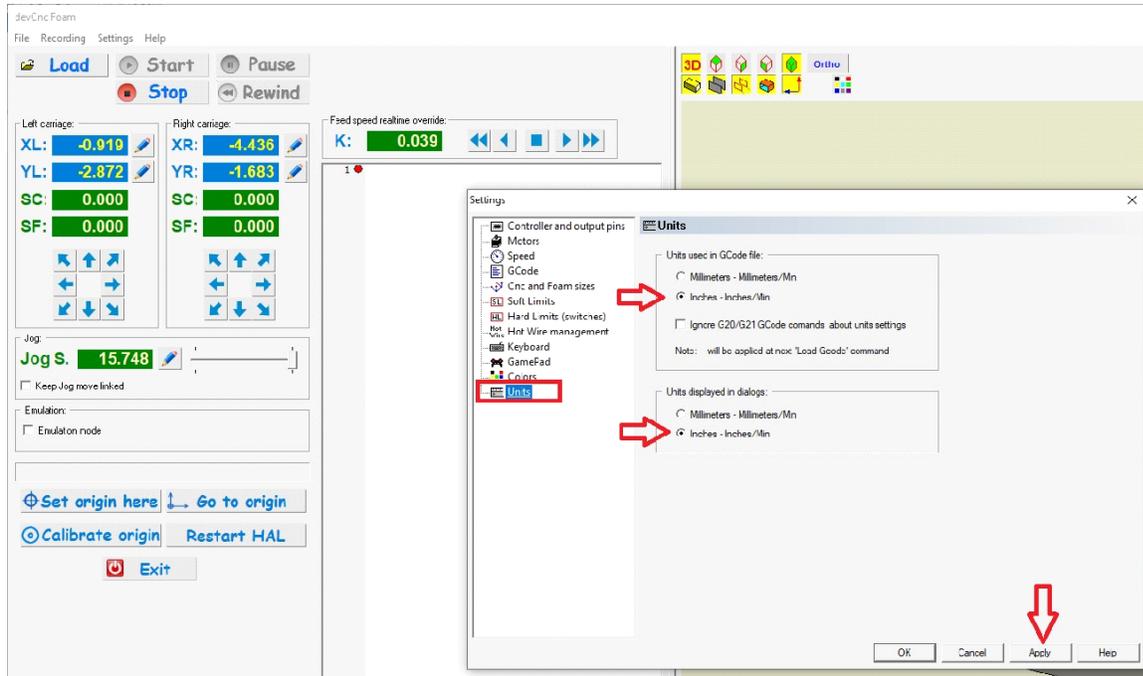
Click on the auto Detect - if the computer detected the port, continue to the next step,

If the program did not detect the port, make sure that the USB cable is connected

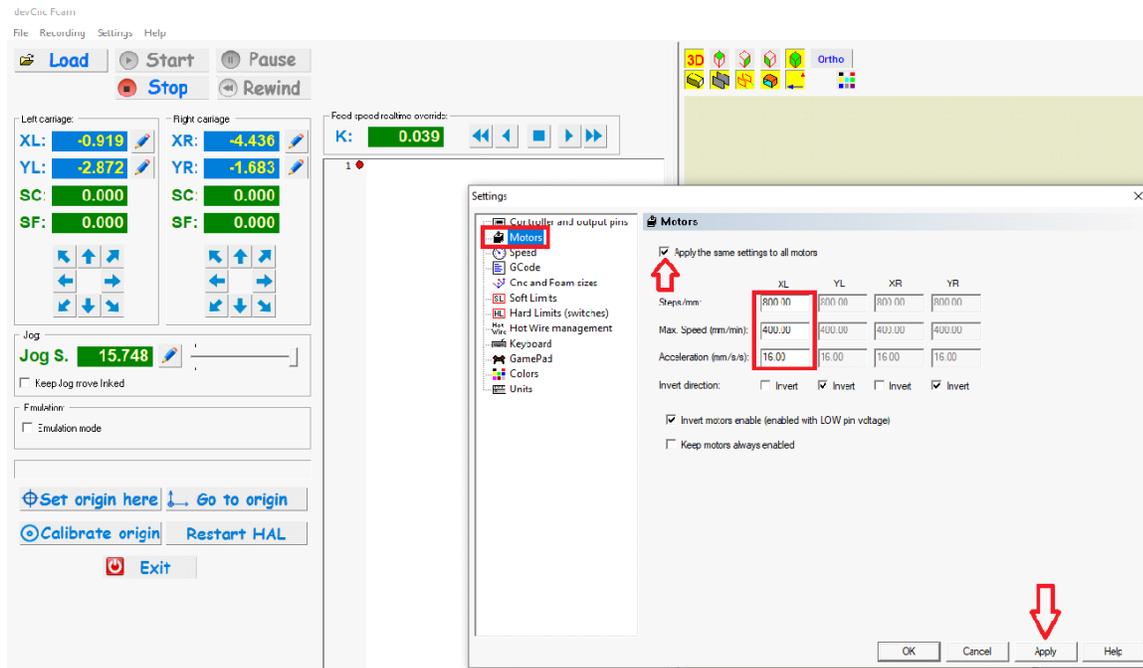
And that the the Arduino IDE was installed.



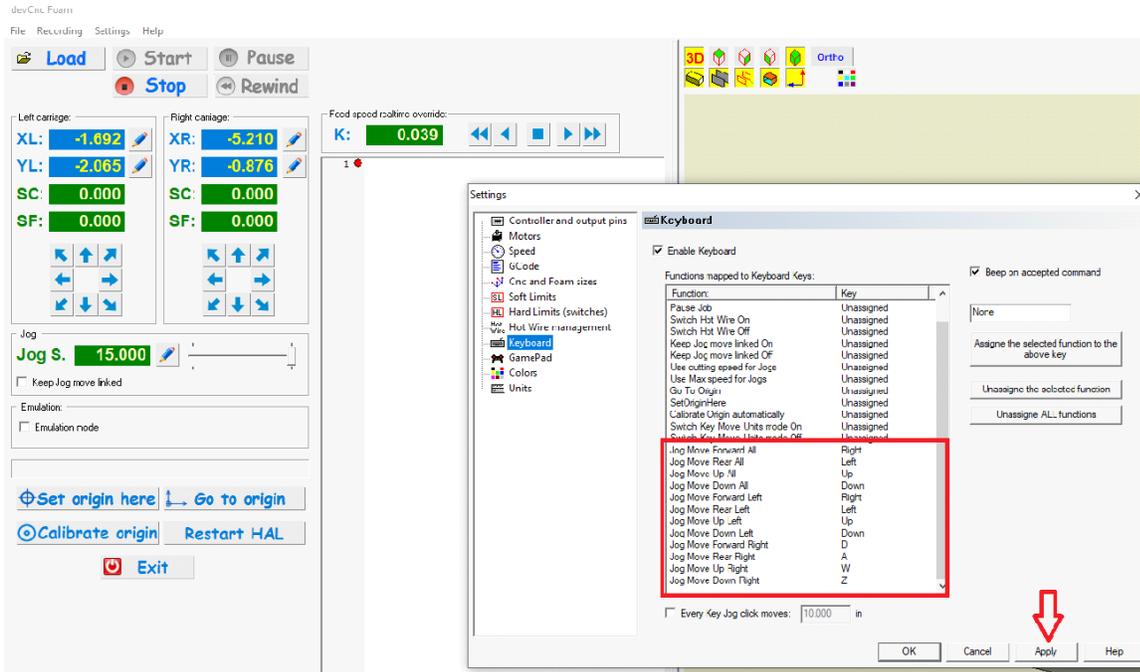
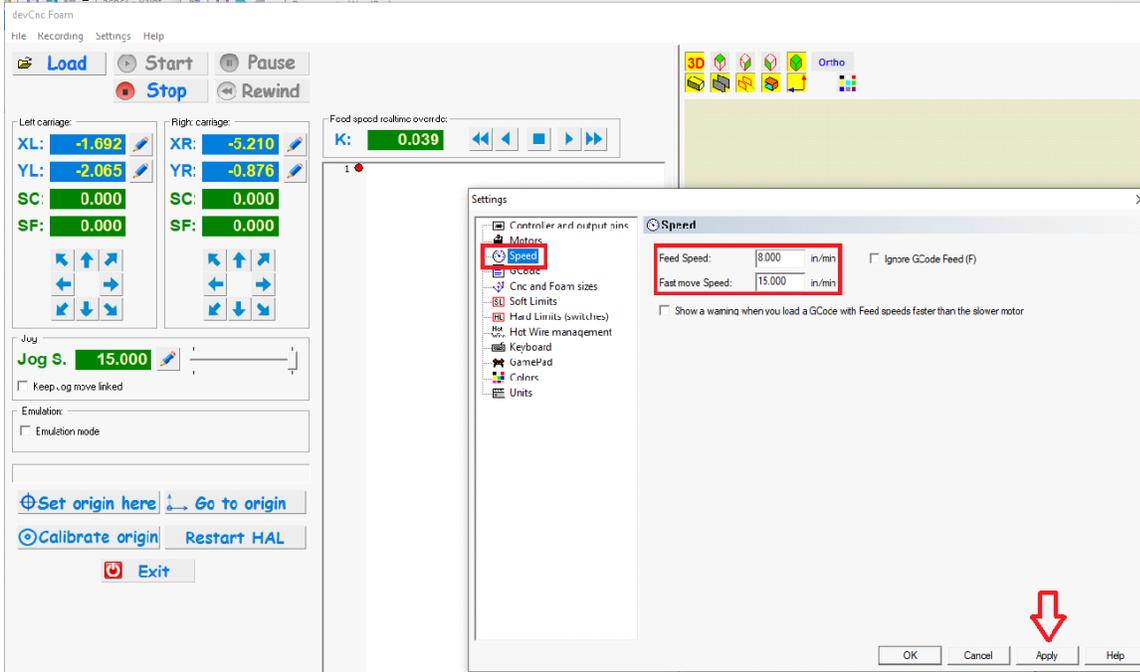
Once done, click on the Apply button



Select the Units button and set both the Inches



Click on the Motors button and check the “Apply the same settings to all motors”
 Then set the values as in the picture above.
 When done, click on the Apply button



for more information please refer to the help file

The screenshot displays the 'devCnc Foam' software interface. A red box highlights the 'Help' menu item in the top-left corner. The 'Main dialog' window is open, showing the following content:

devCnc Foam startup dialog

Main dialog

When you run devCnc Foam, you can see the "Main dialog". This can change if you are using a standard 4 axes cnc machine or 5 axes Cnc machine with rotary axis. The Rotary axis can be vertical (rotating table type) or horizontal (lathe type).

Standard 4 axes Cnc machine interface.

devCnc: Foam - E:\Test\c2\9CodeDevCncFoam_1.lnc

File Recording Settings Help

Load **Start** **Pause** **HotWire** **Stop** **Rewind** End of Program

Left carriage: XL: -1.692 YL: -2.065 SC: 0.000 SF: 0.000

Right carriage: XR: 0.00 YR: 0.00 SC: 0.00 SF: 0.00

Jog S: 15.000

Emulation: Emulation mode

Set origin here Calibrate origin Exit

Feed speed realtime override: K: 1.00

406 C1X63.0892V174.0649U63.0892V174.0649 (skipped)

409 G1X62.6821V173.9787U62.6821V173.9787

410 G1X62.3447V173.7350U62.3447V173.7350

411 C1X62.1351V173.3756U62.1351V173.3756 (skipped)

412 C1X59.2537V164.6678U59.2537V164.6678

413 G1X71.4930V160.6179U71.4930V160.6179

414 C1X68.6969V150.0941U68.6969V150.0941 (skipped)

415 G1X63.412V139.6139U63.412V139.6139

416 G1X62.6267V129.7980U62.6267V129.7980

417 C1X59.3542V118.7943U59.3542V118.7943 (skipped)

418 G1X46.5734V78.4637U46.5734V78.4637

419 G1X97.4900V70.4627U97.4900V70.4627

420 C1X04.7120V110.3030U04.7120V110.3030 (skipped)

421 C1X81.4204V128.0740U81.4204V128.0740

422 G1X78.2521V139.4864U78.2521V139.4864

423 C1X78.2081V160.0318U78.2081V160.0318 (skipped)

424 G1X72.2888V160.6179U72.2888V160.6179

425 G1X71.4930V160.6179U71.4930V160.6179

426 C1X49.2437V164.6678U49.2437V164.6678

427 C1X9.0559V12.9650U9.0559V12.9650

428 G1X9.0067V12.5905U9.0067V12.5905 (skipped)

429 C1X9.0993V12.2243U9.0993V12.2243

430 C1X9.3205V11.9182U9.3205V11.9182

431 C1X9.2205V11.7159U9.2205V11.7159 (skipped)