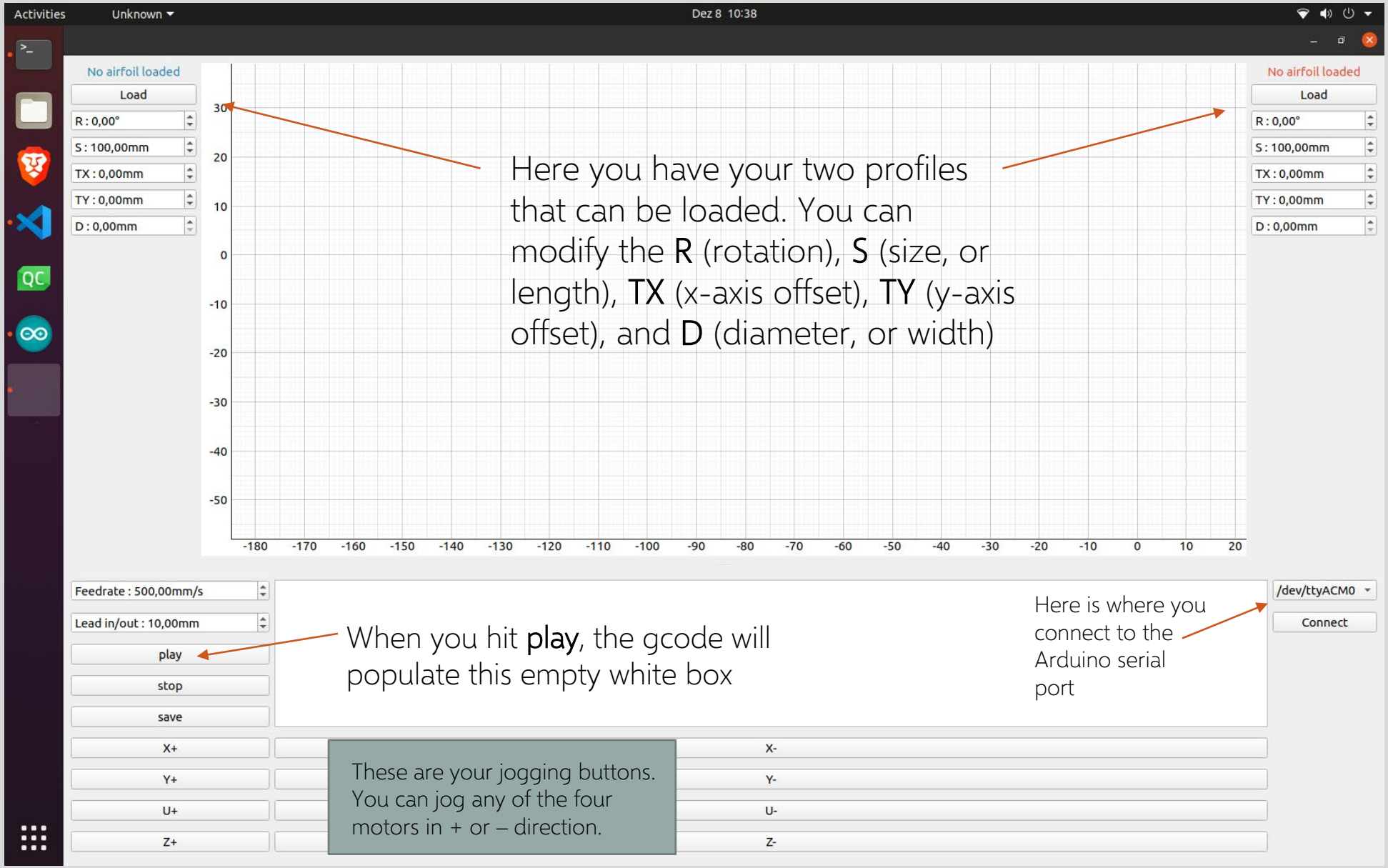
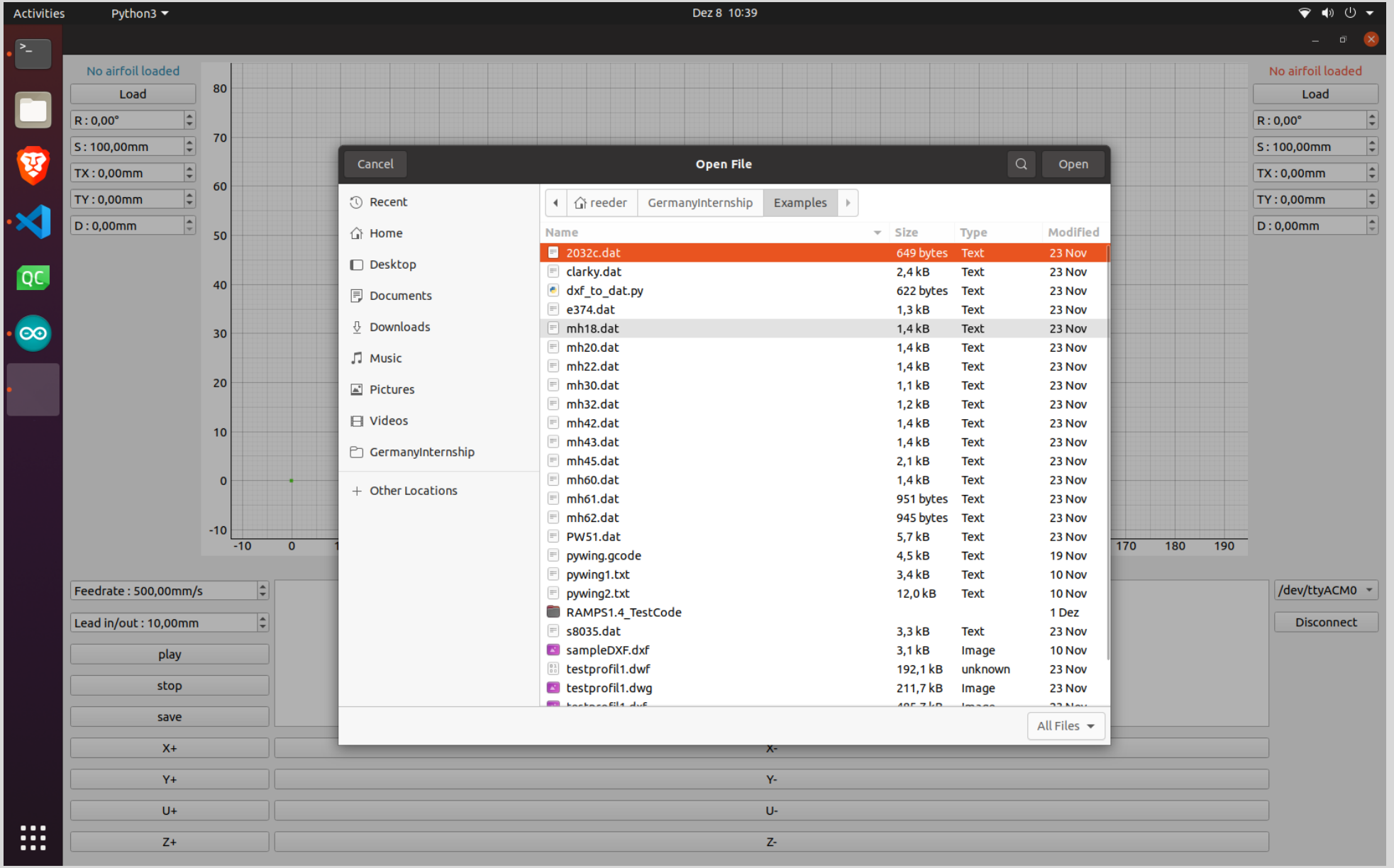
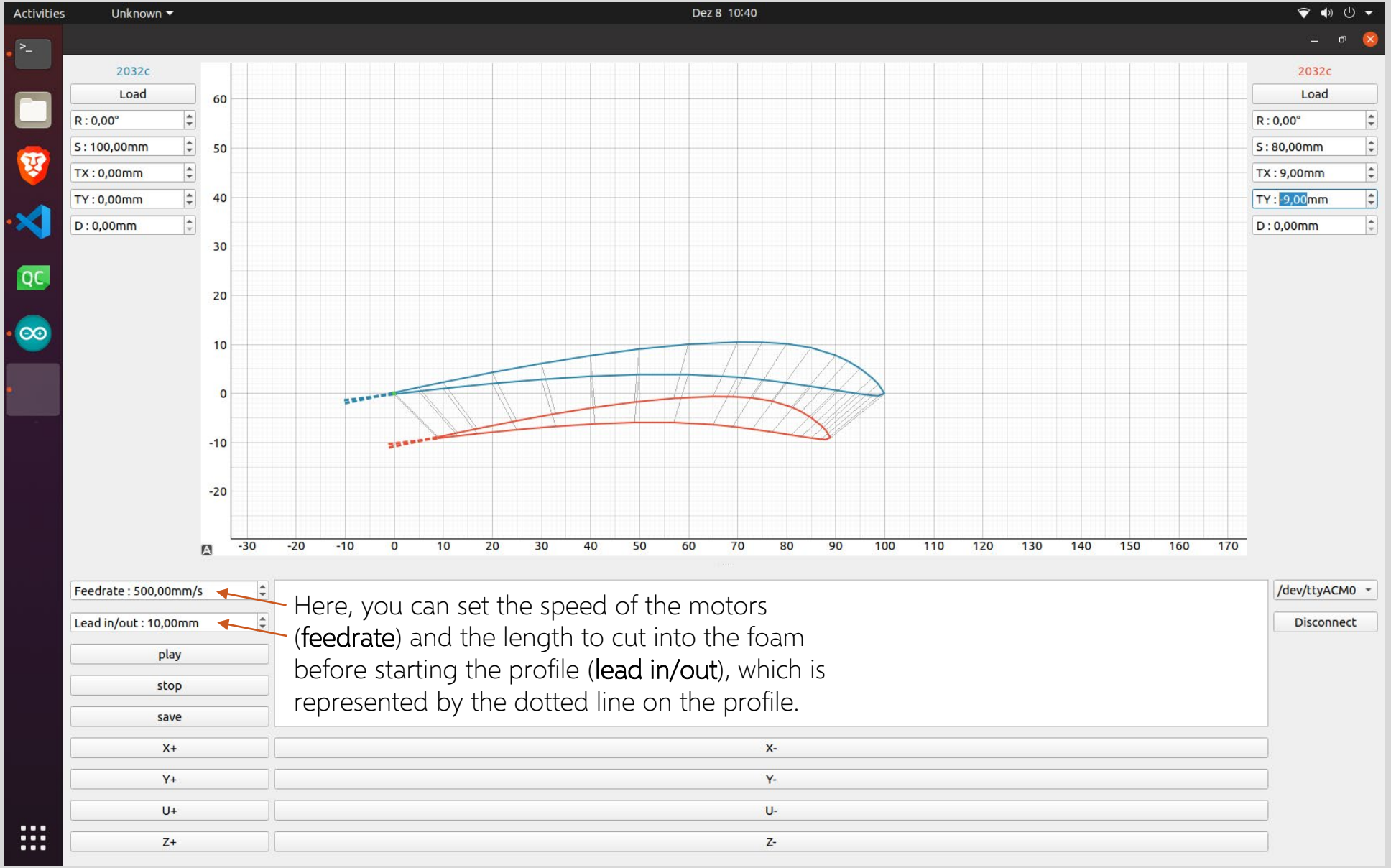


This is the user interface that is shown when you start the machine. There are a few modifications to make, such as the jogging buttons are too large. However, functionally, everything is working.

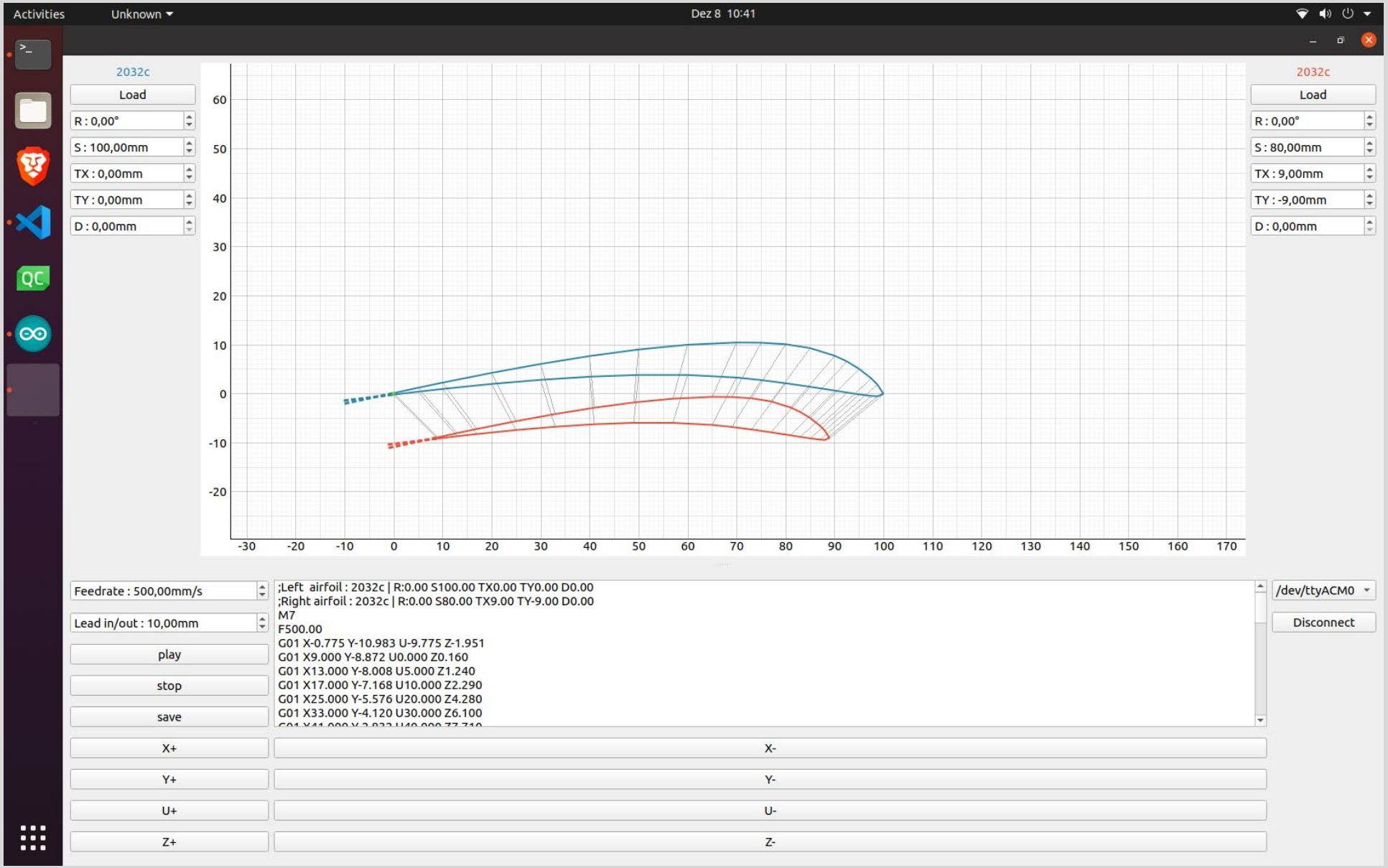


When you hit the **Load** button, a file dialog appears, and you can load *.dat/*.txt (coordinate) files. I am looking into importing other files, such as *.dxf and *.stl, however it will take some work since they have proprietary tags in their coordinates to untangle. I think most cad softwares can export a list of coordinates into a text file.

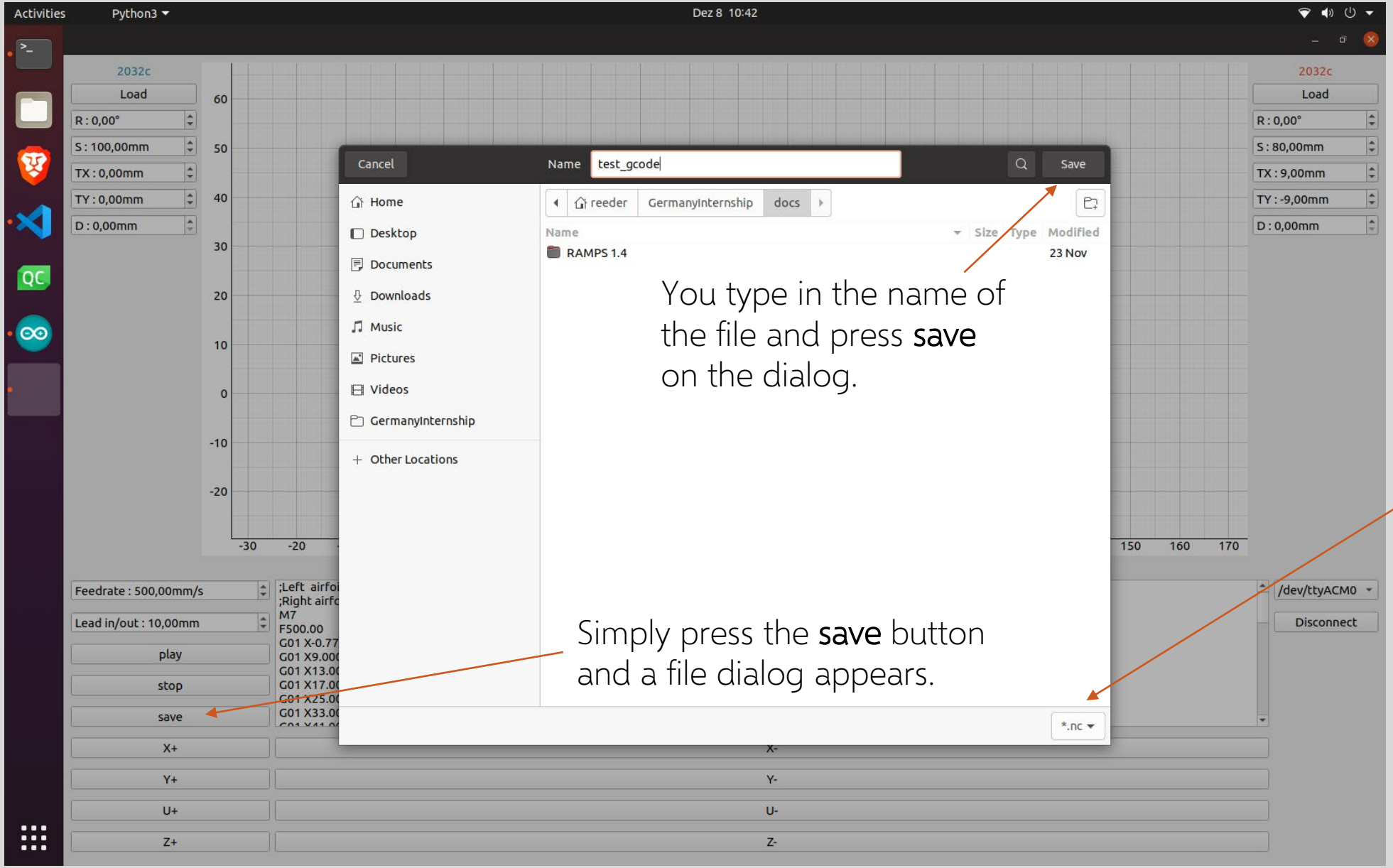


Here, you can set the speed of the motors (**feedrate**) and the length to cut into the foam before starting the profile (**lead in/out**), which is represented by the dotted line on the profile.

Once you open the two profiles, one will be highlighted in blue and the other in red. As you can see, you can move/modify the profile with the controls to make tapered wings.



When you complete your wing profile modifications, you then jog the motors to the zero position. You then set your zero (I am making a button for that today), and press **play**. The gcode appears in the white box and starts immediately.


Activities
Python3
Dez 8 10:42
2032c
Load
R : 0,00°
S : 100,00mm
TX : 0,00mm
TY : 0,00mm
D : 0,00mm
2032c
Load
R : 0,00°
S : 80,00mm
TX : 9,00mm
TY : -9,00mm
D : 0,00mm
Cancel
Name
test_gcode
Save
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
GermanyInternship
Other Locations
reeder
GermanyInternship
docs
Name
Size
Type
Modified
RAMPS 1.4
23 Nov
*.nc
You type in the name of the file and press save on the dialog.
Simply press the save button and a file dialog appears.
You can save the generated gcode for future use, into a *.nc file.
Feedrate : 500,00mm/s
Lead in/out : 10,00mm
play
stop
save
X+
Y+
U+
Z+
X-
Y-
U-
Z-
/dev/ttyACM0
Disconnect

- You can then navigate to the directory where you saved the gcode to view and edit the gcode as needed. I will make an **import** button on the interface to load gcode files, not just wing profiles, into the software.