

Figure 1. Machine Settings

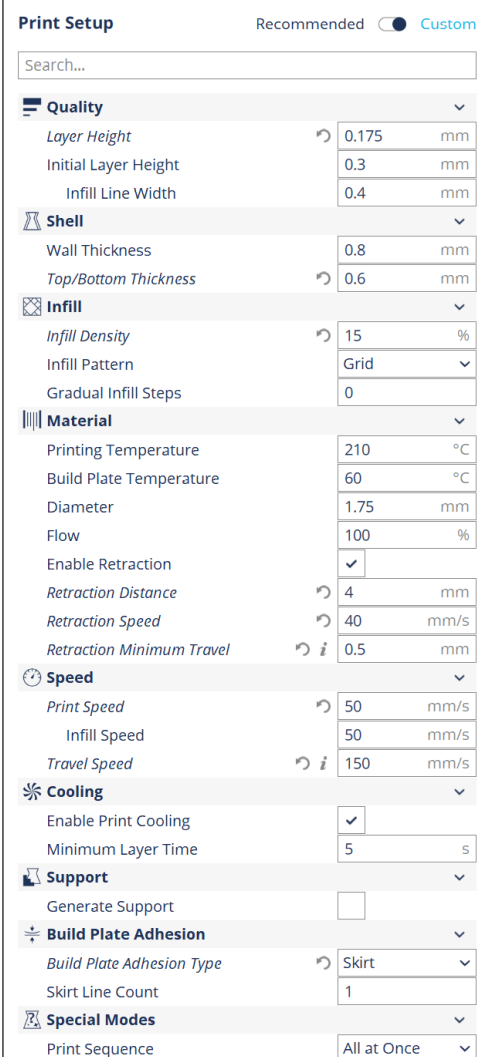


Figure 2. Cura Slicing Settings

The Go-Fab printers from the Invention Lab are portable 3d printers which can reliably and effectively print parts from home.

In order to get started with the machine, take the following steps.

Leveling the Bed

1. Open the move menu and press “home axis”
2. Turn off the machine such that the bed and head unit move freely (XY axis, but not Z axis)
3. Bring the free-moving nozzle to a corner of the buildplate and slip a glossy business card between the nozzle tip and the build plate. You should be able to slide the card between the nozzle tip and the bed but feel some small amount of resistance when sliding the card. To adjust height, tighten or loosen the screws at four corners. Repeat this process between all four corners.

Preparing Files for Printing

1. Once you have leveled the bed, remove the microSD from the right side of the machine.
2. Open Cura and add a new machine using the settings from Figure 1.
3. You can now import an stl, and use the custom Cura settings from Figure 2.

Once you have created the gcode and saved it to the microSD, navigate to the print menu on the machine and select your file for printing.

Rehome the machine before every print with the “Home Axis” function.

When printing, watch the first several layers to ensure correct buildplate adhesion and any small problems that may arise.

If at any point you hear any sounds which do not sound normal, **shutdown the printer with the power switch**