MonoPrice Mini Delta

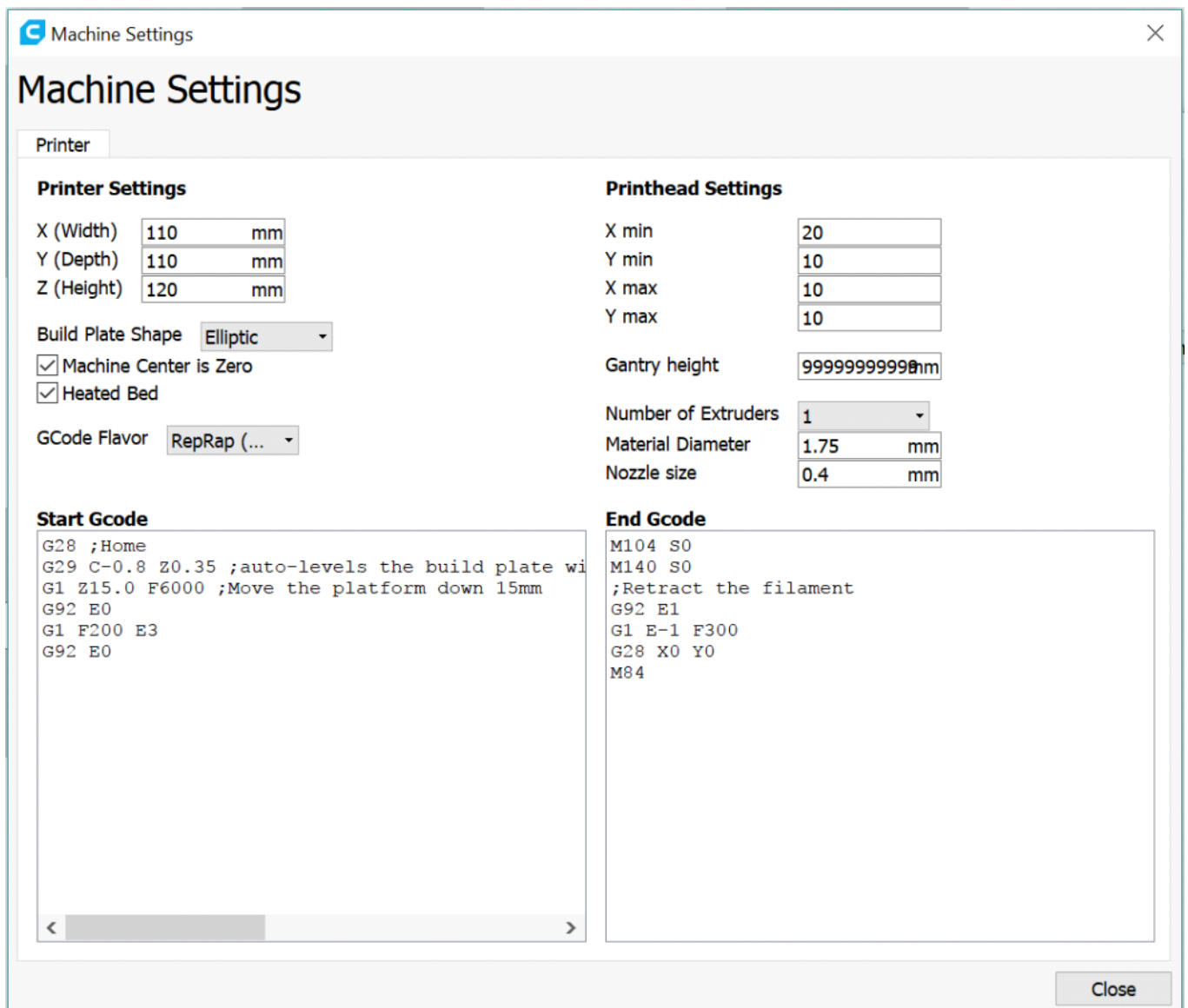Saturday, September 30, 2017   10:33 PM

I changed the Z offset after autolevel to 0.45mm instead of 0.3 to account for the thickness of the painters tape on top of the build platform sticker.

0.45mm was too far away, moving to 0.35mm.

0.35 seems to work fine, but it seems like the center of the plate is lower than the outside edges of the plate.

Cura Setup

I used V2.6.2. When you first start Cura it will ask you to set up your printer, the MP mini delta is not listed, so you will have to do a custom printer.

Note if you don't see the Start Gcode and End Gcode windows you can grab the lower right corner and drag it down to expand the window.

Fill in the setting as seen above, note this is **very important**, you must add the G29 line after the G28 line in the Start Gcode, if you don't, then the printer head will crash into the build plate.

The full line is
G29 C-0.8 Z0.35 ;auto-levels the build plate with a overall vertical offset of 0.3mm with a center offset of -0.8mm

The ; is a comment, so all of the comment should be on the same line.

Now you should be good to go.

Just load a .stl file arrange it on the print bed, pick your filament and layer height save the gcode to your micro sd card and print. The preloaded material properties work very well.

You can adjust settings further by selecting custom instead of recommended. I usually turn off build plate adhesion since I don't want a brim.

I added a TPE material.

eLASTIC

Information | Print settings

Display Name	eLASTIC
Brand	INLAND
Material Type	TPE
Color	■ BLUE

Properties

Density	1.20 g/cm³
Diameter	1.75 mm
Filament Cost	$ 19.00
Filament weight	500 g
Filament length	~ 173 m
Cost per Meter	~ 0.11 $/m

Description