Frequently Asked Questions / Answers

1. Why is a pellet 3D printer better?

Printing out of pellets is more environmentally friendly and cheaper since the extrusion process to make filament is skipped.

1. How long would it take to modify my printer?

Modifying your printer is a breeze. If you print all 3D parts overnight and deliver custom-machined parts, you can expect to have your modification assembled in just an afternoon. It's a quick and efficient process that puts you in control of your 3D printing setup.

1. What was the biggest struggle in designing the system?

Heat management thermal runaway was a significant issue during our design process. Isolating the thermistor with glass fiber solved that problem.

1. How many of the parts are custom vs off the shelf?

Even though our design ended up with more custom parts than off-the-shelf parts, our custom parts are easily accessible by providing necessary STL and CAD files. The ½ inch steel pipe is the only off-the-shelf part of our design.

1. How much money would it take to modify my printer?

The modification would cost around $250, with the heater block being the most expensive part since it is CNC-machined.