

sdmay19-03: 3D Metal Printer - Phase II

Week 8 Report

November 12 - November 19

Team MembersThomas Waters — *Team Lead, Computer Engineer*Ariel Rizshky-Yakobson — *Computer Engineer*Alvin Rymash — *Electrical Engineer*Jacob Gosse — *Electrical Engineer*Armand Hernandez — *Software Engineer*Carter Cahill — *Software Engineer***Summary of Progress this Report**

During this week, we started research on the laser itself, whether there is any software to download, anything we could do to implement this to our main printer software. Another major thing we did this week is look at the sensors and the required connections for it. The cables were missing and we needed to place another order to get the barometer to work. The computer engineers continued to meet the mechanical engineers to make the print bed.

Pending Issues

A pending issue that is still ongoing is an issue with time with the mechanical engineers. They have been caught up on other things delaying the production of the print bed causing further testing for us to be delayed.

Plans for Upcoming Reporting Period

Our plans for the upcoming week is to continue to research on the SPI laser that we will be using and taking a look at the software it comes with. Another aspect we would like to accomplish is getting the barometer to work with the specific cable.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Thomas Waters	Continue to work with the mechanical engineers on getting the print bed made while also starting to code the sensros.	15	68
Ariel Rizshky-Yakobson	Assisted Thomas on getting the coding for the sensors started.	12	
Alvin Rymash	Researched about SPI lasers and potentially figuring out how to operate the laser.	15	91
Jacob Gosse	Researched on the sensors and the codes that could be used to connect the sensors.	14	101
Armand Hernandez	Continue to work on the software and getting	15	89

	it to read an AutoCad file.		
Carter Cahill	Worked alongside Armand on the software.	15	97

Gitlab Activity Summary

Nothing to report.
