

sdmay19-03: 3D Metal Printer - Phase II

Semester 2 Week 10 Report

April 8th - April 14th

Client/Advisor: Dr. Bigelow

Team Members

Thomas Waters — *Computer Engineer*

Ariel Rizhsky-Yakobson — *Computer Engineer*

Jacob Gosse — *Electrical Engineer*

Alvin Rymash — *Electrical Engineer*

Armand Hernandez — *Software Engineer*

Summary of Progress this Report

We tested movement of the printer, as well as movement of the print bed and roller with the software. We made sure that the printer moved as expected, and functioned as desired.

Pending Issues

We need full EH&S approval to run the actual laser, which has been a barrier. We also need to complete the wiring necessary for the vacuum chamber to function, as well as EH&S approval that the chamber is safe to use with the printer and laser.

Plans for Upcoming Reporting Period

We are also planning to research the vacuum chamber more, as well as test and finish the wiring diagram for the chamber, and get approval from EH&S to run our laser.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Thomas Waters	Ran functionality tests on the printer, and fixed issues that arose.	4	38
Ariel Rizhsky-Yakobson	Assisted in testing and fixing issues that were disrupting the printer.	4	38
Jacob Gosse	Assisted in testing and fixing issues that were disrupting the printer.	4	38

Alvin Rymash	Assisted in testing and fixing issues that were disrupting the printer.	4	38
Armand Hernandez	Assisted in testing and fixing issues that were disrupting the printer.	4	38