

## **MSD 2 Weekly Status Report**

### **Week 2 (3/17-3/23)**

Listed first are what accomplishments were achieved during this week. Starting next week I will compare these accomplishments with our goals from the previous week to monitor progress status. Then listed are next week's goals. Finally comes a budget summary. I am going to try to use a similar format for our weekly updates from here outwards. If anyone has any suggestions to improve this please let me know.

#### **Weekly Accomplishments:**

- Most parts have been ordered for the project. Almost everything that hasn't yet been ordered is going to be submitted for order today.
- Raw material has arrived allowing
- The Driver chips arrived (a long lead part)
- Brad O. discussed 3D printing our cylinder mountings with John Bonzo and he thinks it is a good idea. They won't take long to make and we are near the front of the queue.
- Rob is discussing how to machine the critical alignment features of the pumps with Rob Kranyk in the machine shop.
- Sabine has the GUI programmed, and has started working on driving a motor with the driver chips.

#### **Next week's goals:**

- Make significant progress towards machining all the parts (target completion wk 4.)
- Develop subsystem test plans to test each individual subsystem as it is assembled to verify proper functionality
- Achieve basic forward-backwards motion from the motor driven by the computer.
- Order any outstanding parts that need to be ordered.

#### **Budget Update**

Spending charged to ME account: \$1476.12

Pending charges to MSD Account: \$330.78

Total Expenditures (including pending charges): **\$1806.90**

Remaining Budget: **\$693.10**

Note: The pending charges include \$185.38 in orders I am going to send to Bill today as soon as I am near a scanner. The only other anticipated expenses that we have right now are purchasing spare sliders (~\$40), and paying for our plastic parts to be 3D printed in the Brinkmann Lab (<\$100). It looks like we are on pace to stay below budget for the project.