

## Meeting Minutes

Leader: Tim

Note Taker: Sarah

1. Power and XY Plotter: Tim and Elizabeth
  - a. Update: last week's action items
    - Strengthened axis connections. Long axes are not perfectly parallel so there is jamming when connections are tight. Loose connections fix this but the system is unstable.
    - Stress tested mechanical connections.
    - Found pens
  - b. Questions/concerns
    - Method to secure short-axis motor? Currently using copper strapping which might allow motor to move when stopping. See if there is another method to attach
  - c. This week's action items
    - Continue refining pen mechanism
    - Secure belt-carriage connections
    - Resolder limit switch connections
    - Properly secure short-axis motor
2. Microcontroller and User Interface: Sarah and Kelsey
  - a. Update: last week's action items
    - Tested new components for UI
    - Drilled holes in box for UI & assembled. Put CNC files on website. Will still need to drill holes for wires in and out of box
    - Solenoid testing– 11.4V is not enough. Will test with another mosfet and a 12V solenoid (check rotational solenoid)
  - b. Questions/concerns
  - c. This week's action items
    - Assemble board. Board will be delivered today.
    - Continue documentation
3. Other questions/concern: All