

Team Meeting #18 Agenda, 2/2/21

- Debrief Client Meeting
 - Grits, porcine/bovine joints, and handle feel test
 - Anything else important to go over?
- Prototyping
 - Discuss completed prototype
 - 3D printed parts
 - Machining
 - Handle redesign -> Jett and Ryan will chat on Thursday
- Testing
 - Develop a testing regimen
 - Start with 3x grits at a set device speed, interpret and refine results
 - Work into using two main grits; one to shave and one to polish
 - Once we have established a baseline, we can extrapolate our results to the next speed setting (give us some place to start)
 - Sourcing animal joints
 - Thursday
 - Where and when
- Tooltip
 - Metal 3D printing and fabrication
 - Machining on output shaft?
 - Set screw with inset on main output shaft
- Other
 - Responding to group text thread

Team Meeting #18 Minutes, 2/2/21

- Client Meeting
 - We now know that our shaving head can be 8mm L x 5mm W with a maximum 6mm diameter output shaft
 - We want to turn our testbed into a functional handle now
- Prototyping
 - On Thursday, we want to start thinking about a handle redesign, as well as how to downsize our electrical components
 - We also want to start thinking about incorporating a control potentiometer and control buttons, as well as running wires throughout the handle
 - Finally, we want to talk to Bill about machining our more essential, load-bearing components
- Testing
 - Lucas worked on finding out when we could get animal parts for testing, and the soonest that anything will be available will be next week (a cow joint)
 - The testbed is ready for animal testing, and we would like to start planning for it. We will convene on Thursday to examine the testbed and develop an experimental plan
- Next Meeting -> Thursday, 2/4/21 at 3:30p in the Design Suite

Action Items

- We are going to meet on Thursday to plan out our next move in designing this device. Everyone will come prepared with an idea for an experimental plan that we can test, and we will work on designing a functional handle with integrated electronic components. Additionally, we will consider machining a few parts.