

02 - Form Proposal

Mood Board - The most important characteristics of this device will be ergonomics for how many hours this will be used at a time, form factor about the aesthetics of the device, programmable keys for customization and wearability to see if it would be possible.

Ergonomics



Form factor



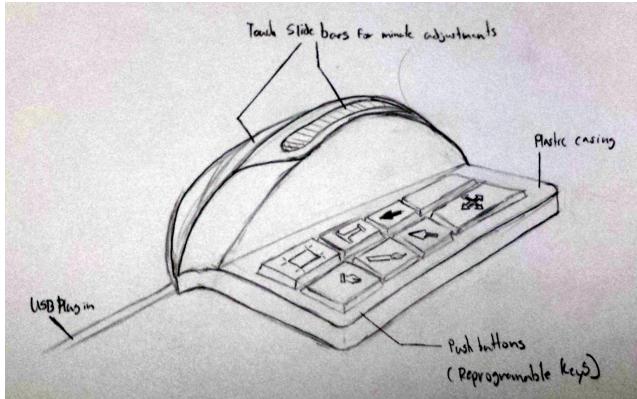
Programmable keys



Wearability

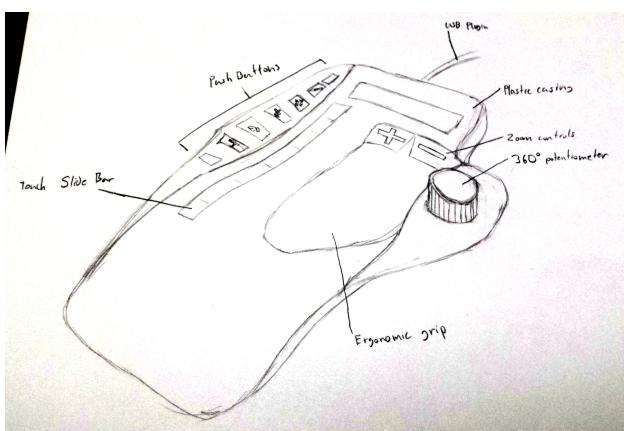


Aesthetic Concepts



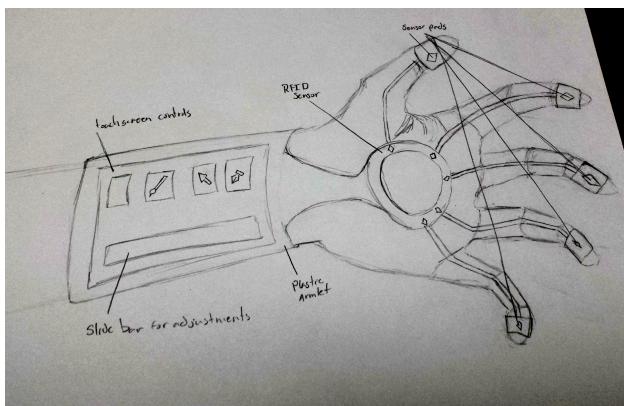
Concept 1

This design incorporates a half mouse and half keyboard design where the keys will be used to select the tool, but the mouse part will be used to adjust tools by sliding mechanics. This is drawn for a left-handed user. The mouse will be in their left hand while this will be in their right.



Concept 2

This design is a flatter design that will allow great ergonomics while also giving control to the user. The Potentiometer will be used for fine adjustments and the keys and other touch areas will be used for selecting tools. The zoom controls will be readily available in your hand.



Concept 3

This design is for those who never want to feel like their hands are off the controls. It will be a wearable design where scans are used to activate tools through touching fingers to a center circle. What the touches do will be controlled through a touchscreen armband.

Concept Summary

While looking though the designs I decided that a wearable option would most likely not work. I decided to go with the second design of the flatter hand posture. This will allow for relaxed hand position while also offering great control for the user. The potentiometer will allow for control and easy access to the most used tools will be helpful. Concerns and precautions would include getting all mechanics to work properly and still look nice. Easy access to the most used tools will be the most important otherwise a keyboard would be easier to use. Placement of keys will be essential.