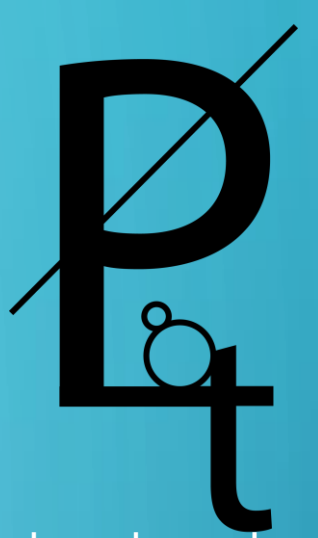


Pixtool

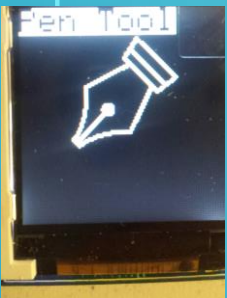
GRAHAM WIDMANN



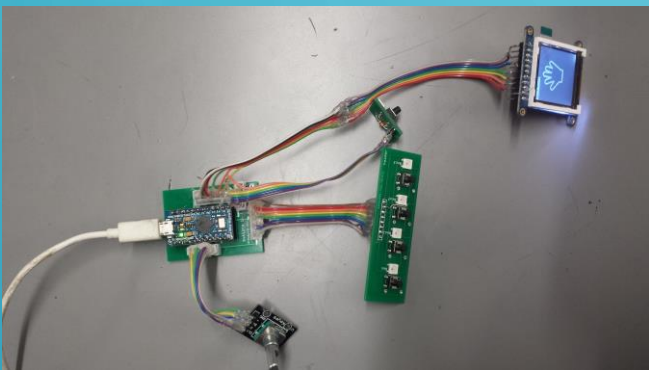
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Problem: People new to Photoshop do not know where tools are located and experienced users lose concentration on their work.

Solution: Pixtool is a tool designed to allow for quick access to common tools in Photoshop and adjust the brush tool on the fly. It is designed for many hours of use. 3D printed and controlled using a Pro-Micro microcontroller.



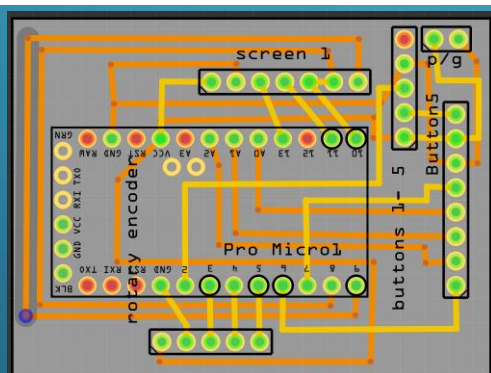
- Screen Shots of the Device in use. (Pen, brush, move, zoom, pan)



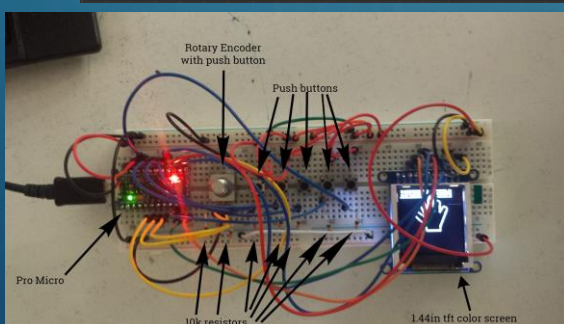
- Components attached with ribbon cable on PCBs. All PCBs are custom designs. No casing.



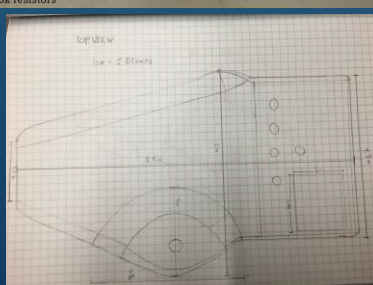
- 3D rendering of Fusion 360 model. (4 Versions total)



- PCB board for Pixtool. Created in Fritzing. 2 Layer.



- All components attached to breadboard for testing. (Rotary Encoder, 1.44" tft color screen, 5 push buttons, Pro-Micro controller)



- Sketch of casing done by hand.