Makeshift CNC

By: Jason Russo (jr826), Eldor Bekpulatov (eb654)

Description

This project will take an inputted digital (BW) image and draw it on a 8.5"x11" sheet of paper. The paper will be locked into place on a board that the machine is calibrated too. An input will be given to the machine, which will move a pen to draw on the paper. An image input will be given to the system, which will be converted into movement of motors. These motors will move the pen around the paper and raise/lower it to draw. The microcontroller will run the system and will handle converting an image into movement.

Hardware

- 2x actuators
- 2x axles
- 2x belts
- switch to drop the pen
- other 3D printed parts
- Pen
- FDRM board

Estimated Cost

- under $50 excluding the board

Imagined Model