3-Axis Plotter

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Inkscape

Gcodetools

Enhanced Machine Controller

Motor Driver Circuit

Motor-Rod Assembly

Inkscape creates and edits Scalable Vector Graphics (SVG) images.

Gcodetools is an Inkscape extension which converts SVG to G-Code. We took this open source code and made significant code additions and bug fixes.

Enhance Machine Controller interprets G-Code and controls the machine. We wrote custom control logic to interface EMC with our machine.

We designed and build custom motor driver circuits to convert step and direction signals into the high current pulses needed to drive the stepper motors.

The motors drive the threaded rods, which converts angular motion into linear motion.

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