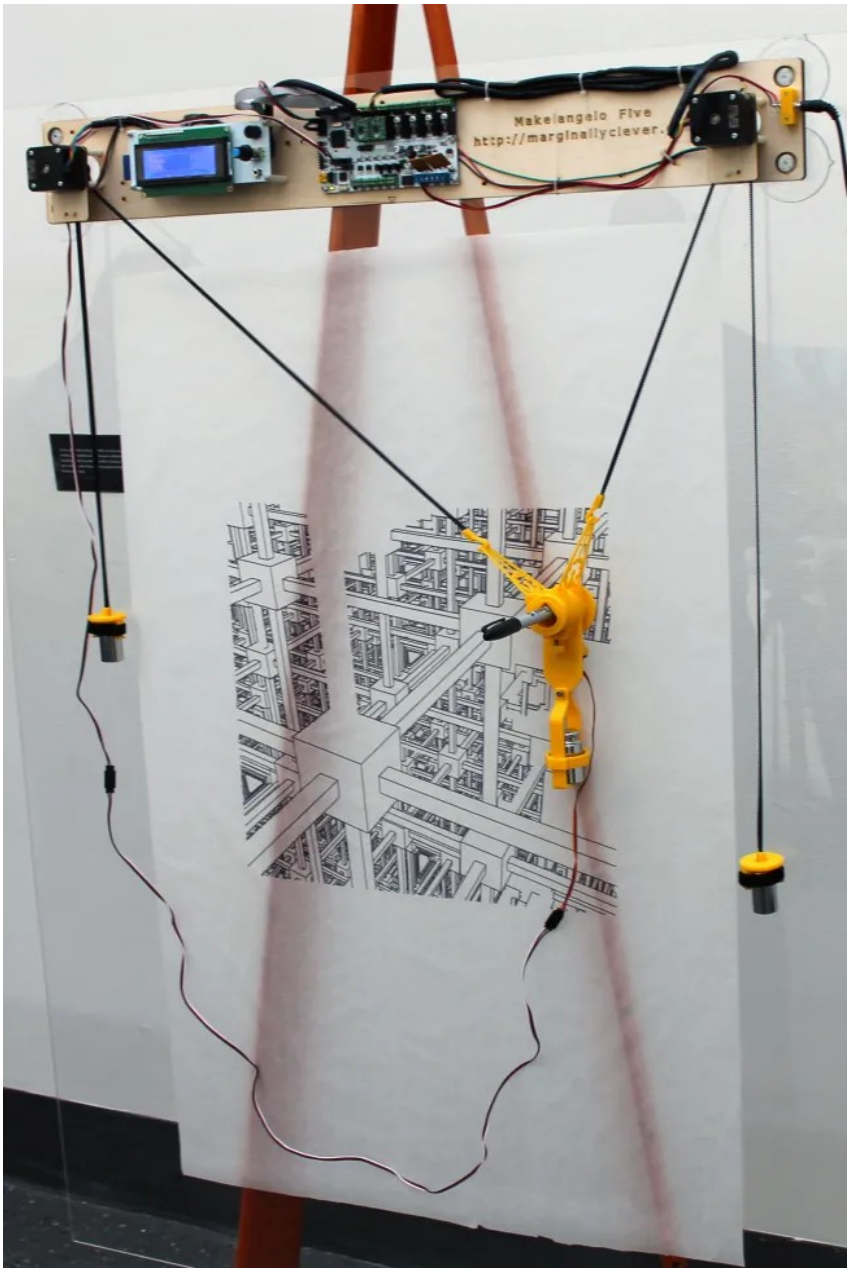
Makelangelo 5

Drawing Machine



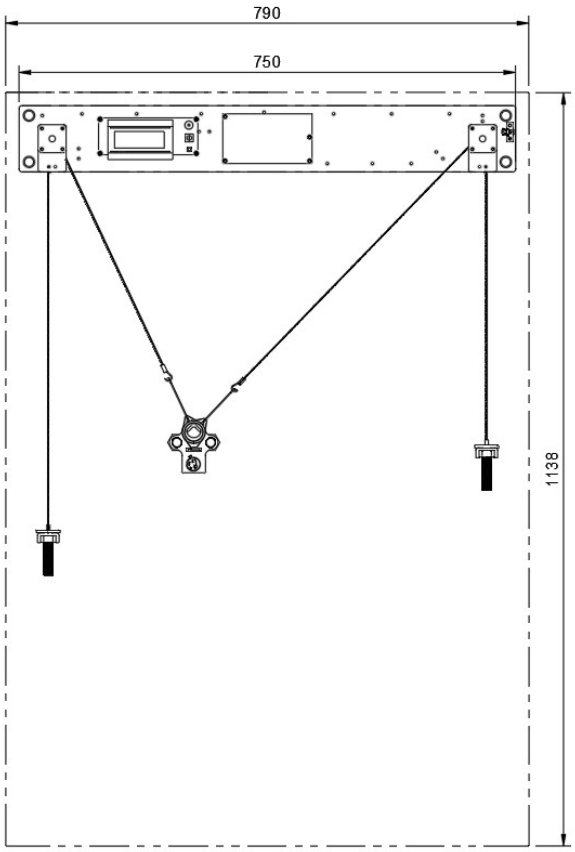
Version 5.0

Guide v1.0, February 6, 2022

MARGINALLY CLEVER
ROBOTS

Packaged dimensions	760 x 100 x 100
Assembled dimensions	790 x 1138 x 100
Maximum drawing area	594 x 841 (A1)
Recommended drawing area	420 x 594 (A2)
Power supply	12v2a DC
Orientation	vertical
Application	Makelangelo software
Connectivity	USB, SD card
Operating temperature	5c - 30c
Ingress Protection Rating	IP00
Recommended user age	10

**all dimensions in mm*



What is it?

The Makelangelo 5 is a drawing machine technically known as a polargraph plotter. Turning the two motors at the top will pull the belts which moves the pen head with great precision. A small motor on the head lifts the pen off the wall. Combining these movements creates beautiful line art.

Where do I learn more?

Shop: https://www.marginallyclever.com/products/makelangelo-5/

Installation: https://mcr.dozuki.com/

Software: https://github.com/marginallyclever/makelangelo-software/releases

Blog: https://marginallyclever.com/

Forum: https://discord.gg/QtvHqAv8yp

Teachable moments

Plotters use all the same concepts as a 3D printer without the high voltage, expensive plastic, or messy clogging. Students are often attracted by the machine's movements. It is a great practical introduction to trigonometry and algebra. It's even Open Source so any student can read the code. The robot understands GCode, the common language of 3D printers and CNC manufacturing machines.