**Bill Of Materials**

**Hand:**

* 1dyIO ($75) or other control method (Arduino, etc)
* 1 spool of polycarbonate plastic (for final product)
  + <https://www.lulzbot.com/?q=products/polycarbonate-3mm-filament-1kg-reel>
  + (need to make sure that school printers can print in this plastic, it requires higher temperatures than some extruders are capable of)
  + If we’re printing on the non-makerbot printer we may need a different type of plastic than this.
* 1 spool of ABS or PLA plastic (for prototyping)
  + <https://www.lulzbot.com/?q=products/natural-abs-3mm-filament-1kg-reel>
  + If we’re printing on the non-makerbot printer we may need a different type of plastic than this.
* Encoders (up to 7)
* Servo Motors (up to 7)
* Cable (must have little to no stretch, probably some kind of metal cable)
* Dental rubber bands or flat springs (about 15 are required, we should buy maybe at least twice that)
  + <http://www.ebay.com/itm/NEON-3-8-X-HEAVY-6-5-oz-ORTHODONTIC-ELASTIC-BRACES-DENTAL-RUBBER-BANDS-/130949159699?pt=LH_DefaultDomain_0&hash=item1e7d2d9b13>
  + Check sizes, might need larger than 3/8”
* Small screws/bolts (just get a box)
* Small ball bearings (need maybe 35)
  + <http://www.ebay.com/itm/New-10pcs-692-ZZ-Miniature-Bearings-ball-Mini-bearing-2-X-6-X-3mm-692ZZ-/170917903417?_trksid=p3284.m263&_trkparms=algo%3DSIC%26its%3DI%26itu%3DUCI%252BIA%252BUA%252BFICS%252BUFI%26otn%3D21%26pmod%3D121121422150%26ps%3D54>
* Battery (not sure what kind yet)

**Granular Jamming Pads:**

* Housing (flexible plastic type material)
* Granular jamming material
* Tubing
* Filters
* Air compressor(?) (need way to suck air out)
* Will we need anything special to actually make this? (molding kits, etc)