Methods

Parts

Tools

- Hammer/mallet (ideally, to help press-fit)
- 3D printer (with bed size at least **X**"xX"xX")
- set of small files
- Allen key (Size X)
- Phillips head screwdriver
- Soldering station (with solder and fume extractor)
- hack saw (fresh blade ideal for cutting lead screw, etc.)

Bill of Materials

See Bill of Materials PDF file.

3D printed pieces

This will be a table of the 3D printed parts, ideally with a picture or at least, color-coding of each one. I think the weight and time (when prepared as we did it), the number, the color (by our system), will be useful for people, along with the .stl or .obj filenames of each part, will be useful to include in the table.

- Tray (teal)
- Carriage 1 (Yellow)
- Carriage 1 endcaps (Yellow, 2×)
- Carriage 2 (Magenta)
- Carriage 2 endcap A and B (Magenta. Endcap A has the motor standoff.)
- "Big H" (white, 2×)
- Lead screw nuts (black, 4×)