

The components that you need to buy are the following:

- [1:3.7 or 1:5.2 Planetary gearbox](#)
- [31YZ 3500RPM DC motor](#)
- [55mm Linear rail](#)
- [2x 4x12x4 Bearing](#)
- [M3 inserts](#)
- [M3 Screws](#)
- [M2.5 Screws](#)
- (At least) 6 32 gauge felting needles
- If you choose to make the protective screen out of Plexiglas, you will need a piece of 3mm Plexiglas laser-cut, according to the size given in the file. Protective_Screen.dxf is the file you need for the laser cutter. Otherwise, you could use the Protective_Screen.3mf and 3D print it.
- 2 Pen springs
- 1 Diode
- Wires for wiring (Ideally thick, as they will need to withstand 24V at 0.8A peak)