TODO:

* Get parts model numbers + photos

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# Bill of Materials

|  |  |
| --- | --- |
| PART NAME | QUANTITY |
| Nema 17 Stepper Motor | 3 |
| Polia 20 dentes nema 17 | 3 |
| Arduino Mega 2560 board | 1 |
| 12V 4A Power Supply | 1 |
| Ramps 1.4 | 1 |
| Female 2.1mm DC Jack | 1 |
| Stepper driver A4988 | 3 |
| EndStop Switch | 3 |
| 12V Fan 5010 | 1 |
| Belt 200mm | 2 |
| Belt 300mm | 1 |
| Bearing F624ZZ | 6 |
| Bearing F686ZZ | 10 |
| Bearing 51107 | 1 |
| Stainless Steel rod 6mm x 60mm | 11 |
| Power Switch | 1 |

Nuts and Bolts

|  |  |
| --- | --- |
| M3x6 cilindrico Allen | 6 |
| M3x10 cilindrico Allen | 4 |
| M4x16 cilindrico Allen | 1 |
| M4x18 cilindrico Allen | 3 |
| M4x25 cilindrico Allen | 1 |
| M4x28 cilindrico Allen | 1 |
| M6x25 cilindrico Allen | 1 |
| M6x50 cilindrico Allen | 2 |
| M3x10 cabeca chata | 8 |
| M3x12 auto-atarraxante cabeca abaulada philiphs | 8 |
| M3x15 auto-atarraxante cabeca chata philips | 8 |
| M3x15 auto-atarraxante cabeca abaulada philips | 3 |
| M2x10 auto-atarrachante cabeca abaulada philips | 5 |
| Arruelas |  |
| M4 diametro externo largo | 6 |
| M6 diametro externo largo | 2 |

3D Parts

|  |  |
| --- | --- |
| Base | 1 |
| Base inside support | 1 |
| Base lid | 2 |
| J1 Gear | 1 |
| J1 Platform | 1 |
| J1 Platform Side Cap left | 1 |
| J1 Platform Side Cap right | 1 |
| J2&J3 Gear | 2 |
| J2 Lever | 1 |
| Lower shank | 1 |
| Upper Shank | 1 |
| Triplate | 1 |
| Pleuel 1 | 1 |
| Pleuel 2 | 1 |
| Pleuel 3 | 1 |
| Manipulator | 1 |
| 4th Axis base | 1 |
| 4th Axis lib | 1 |
| 4th Axis joint shaft | 1 |
| 4th Axis joint motor connector | 1 |
| Total | 22 |