

| Category: | Parts Description: | QTY: | Link: |
|--------------------------------|-------------------------------------|-----------|---|
| Fasteners | | | |
| | M3 T-Nut | 18 | https://amzn.to/3lTPxT |
| | M5 T-Nut | 115 | https://amzn.to/3yoWB8 |
| | M3 Insert | 46 | https://amzn.to/381YR5 |
| | M4 Insert | 5 | https://amzn.to/3yuExnA |
| | M3x8 SHC | 20 | |
| | M3x10 SHC | 19 | |
| | M3x10 FHC | 44 | |
| | M3x18 SHC | 16 | |
| | M4x10 SHC | 26 | |
| | M4x16 SHC | 4 | |
| | m4x24 SHC | | |
| | M4x12 Self Tap | 30 | |
| | M4x24 Self Tap | 15 | |
| | M5x8 SHC | 112 | |
| | M5x16 SHC | 35 | |
| | M5x35 SHC | 4 | |
| | M5x30 SHC | 4 | |
| | M6x12 SHC | | |
| | *Ball Screw build | M8x50 ROD | 1 |
| *Ball Screw build | M3 Nut | 4 | |
| | M4 Nut | 12 | |
| | M5 Nut | 8 | |
| | M3 Washer | 10 | |
| | M4 Washer | 4 | |
| *Ball Screw build | M5 Washer | 13 | |
| | ** Buy some spare just in case ! ** | | |
| | | | |
| Motion | | | |
| | Nema 17 0.9deg | 1 | https://amzn.to/3JTS9Ck |
| *ACME build | ACME T8 2mm lead 500mm | 1 | https://amzn.to/3NEDFog |
| *ACME build | ACME Nut 2mm lead | 1 | https://spool3d.ca/18-lead-screw-anti-backlash-nut/ |
| *Ball Screw Build | Ball Screw 450mm 1204 | 1 | https://amzn.to/3Qx7Xuq |
| | Linear Rails MGN12H 400mm | 2 | https://www.dlpdf.com/mgn12h-high-quality-linear-rail |
| | Coupling 5mm to 8mm | 1 | https://amzn.to/3vAs1Wk |
| | Bearing | 1 | https://amzn.to/37lBqg3 |
| Electronics | | | |
| | LCD supplier | | https://szaputsdisplay.en.alibaba.com/?spm=a2700_shop_plgr.88.14 |
| | LCD 7K 13.6inch mono (recommended) | 1 | https://www.aliexpress.com/item/1005003829110324.html?spm=a2o0o_order_list.0.0.21ef1802PXQUUz |
| | Inductive Probe 5v | 1 | https://amzn.to/380BJGW |
| | Power Supply 24v | 1 | https://amzn.to/3EaAJw |
| | IEC Socket | 1 | https://amzn.to/3JSTPh1 |
| | DSI Touch Screen | 1 | https://amzn.to/3M15Rjr |
| | DSI Flex Cable | 1 | https://amzn.to/3vAs1Wk |
| | Prometheus MotherBoard | 1 | Coming soon |
| | Prometheus LED array | Choose | Coming soon |
| | LED array alternative | Choose | https://www.aliexpress.com/item/1005004088672207.html?spm=5261_ProductManageOnline.0.0.66654edf1q4HsF&fbclid=IwAR06eyL13mzoz0ffop03CEq6wW4-U-ApXeh3uhRCf6M1OkK4vUk-XvU6o&gatewayAdapt=4ItemAdapt |
| | 92mm 12v Fan | 2 | https://amzn.to/3rDMIL1 |
| | Raspberry pi 4B | 1 | https://rpilocalator.com/ |
| | No Pi4 Chitu alternative | | |
| | ChituSystems Board | Choose | https://www.aliexpress.com/item/1005003612424196.html?spm=a2o0o_productlist.0.0.610a5b9f2ek4Bn&algo_pvId=a7fd6096-35b3-4b69-adea-2b85334d4330e&algo_exp_id=a7fd6096-35b3-4b69-adea-2b85334d4330e-0&pdg_ext_f=%7B%22sku_id%22%3A%2212000026491139622%22%7D&pdg_npi=2%40dis%21CAD%21%21132 |
| | ChituSystems Touch Screen | Choose | https://www.aliexpress.com/item/1005001862865136.html?spm=a2o0o_store_pc_allProduct.8148356.1.22752675trpfFQ&pdg_npi=2%40dis%21CAD%21C%24%2027.29%21C%24%2021.84%21%21%21%21%21%400ba187916537483802934755e0Bc%21%21sh |
| Frame | | | |
| | Alm Extr 2020 - 490mm | 2 | https://amzn.to/3xlgGzp |
| | Alm Extr 2020 - 450mm | 2 | https://amzn.to/3xhM6Ax |
| | Alm Extr 2020 - 412mm | 6 | https://amzn.to/3xhM6Ax |
| | Alm Extr 2020 - 410mm | 2 | https://amzn.to/3KouJKC |
| | Alm Extr 2020 - 324mm | 6 | https://amzn.to/3LNUVpG |
| | Alm Extr 2020 - 705mm | 4 | https://amzn.to/3jmZnlf |
| *Can be replace by blind joint | Hidden connector | 36 | https://amzn.to/3MbfA15 |
| | Hinges | 2 | https://amzn.to/3icx7m8 |
| *Can be hand made | Base plate | 1 | https://www.dlpdf.com/prometheus-mala-base-plate |
| *Can be hand made | Middle LCD plate | 1 | https://www.dlpdf.com/prometheus-mala-mid-base |
| | DLLPDF offers kits for the frame | | https://www.dlpdf.com/prometheus-mala |
| | Complete Frame Kit | | https://www.dlpdf.com/prometheus-mala-structural-kit |
| Misc | | | |
| | Neodinium Magnet 18x3mm | 2 | https://amzn.to/3aZlzxF |
| *Can be approximative | Spring 10.5mm Lg / 7.1mm OD | 1 | |
| | BallDetent M8x12 | 2 | https://amzn.to/3MagzyN |
| | 6mm Glass 302mm x 176.6mm | 1 | |
| | Ferrule Kit | 1 | https://amzn.to/3GTagvj |
| | FEP (at least 250x350mm) | 1 | https://spool3d.ca/fep-film-100-micron/ |
| Cables | | | |
| | Micro to HDMI Cable 8k | 1 | https://amzn.to/3wXmHMc |
| | 16 AWG cable | | |

| Aluminum Parts | | |
|---|----------------------------|---|
| *Look at the kit | Build Plate | 1 |
| *Look at the kit | Arm | 1 |
| *Look at the kit | Rails Link | 1 |
| 3D Printed Parts | | |
| <p>** The Vat needs to be printed in PLA or PETG ! Other materials can react with the chemical in the resin</p> <p>** The Structural parts like in the arm part need to be very rigid and stiff ! They can be printed in PLA,carbon fiber filled material or other stiff plastic</p> <p>** All the parts is printed at 0.2mm with at least 35% infill and at least 6 walls (4 nozzle)</p> | | |
| | Arm Plate Link | 1 |
| | Arm Spacer | 1 |
| | Bearing Holder | 1 |
| | Build Plate Link | 1 |
| | Build Plate Top | 1 |
| | Door Handle | 1 |
| | Knob | 1 |
| | LCD Driver Bracket | 1 |
| | LCD Insert | 1 |
| | Motor Mount | 1 |
| | Pour Shield | 1 |
| | Probe Trigger | 1 |
| | Touch Screen Bracket1 | 1 |
| | Touch Screen Bracket2 | 1 |
| | Touch Screen Frame | 1 |
| | Vat Body | 1 |
| | Vat Bottle Docking Station | 1 |
| | Vat Latch Left | 1 |
| | Vat Latch Rear | 1 |
| | Vat Latch Right | 1 |
| | Vat Retainer Ring | 1 |
| | Vat Handle | 2 |
| | Bottle Cap | 1 |
| | Bottle Plunger | 1 |
| | LED Support | 2 |
| | PSU Bracket | 1 |
| | LED Driver Bracket | 1 |
| | MotherBoard Bracket | 1 |
| Total Cost Should be around 1300\$US to 1500\$US | | |