|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. no.** | **Component** | **Qty** | **Price** | **Total** | Link |
|  | Aluminum extrusion (1000mm) | 10 | ₹ 549 | ₹ 5490 | <https://robu.in/product/easymech-1000-mm-20x20-4-v-slot-aluminium-extrusion-profile-black/> |
|  | V slot gantry | 6 | ₹ 845 | ₹ 5070 | <https://www.amazon.in/dp/B07KNQW6X5?ref=ppx_pop_mob_ap_share> |
|  | Z-axis Ball/Lead screw | 2 | ₹ 439 | ₹ 878 | <https://robu.in/product/600mm-trapezoidal-lead-screw-8mm-thread-2mm-pitch-lead-screw-with-copper-nut/> |
|  | Nema23 for Z axis | 1 | ₹ 2480 | ₹2480 | <https://robu.in/product/nema23-57hs112-3004-hybrid-bipolar-stepper-motor/> |
|  | Nema23 mount bracket bend | 1 | ₹ 304 | ₹ 304 | <https://robu.in/product/bracket-nema-23-stepper-motor-bend/> |
|  | Flexible Spider Shaft Coupling Bore:8x8mm (for Nema23) | 1 | ₹ 398 | ₹ 398 | <https://robu.in/product/aluminum-od25mm-l30mm-flexible-spider-shaft-coupling-bore-8x8mm/> |
|  | Nema17 for XY axis | 2 | ₹ 1199 | 2400 | <https://robu.in/product/neema-17-jk42hs60-1704-0-72n-m-round-type/> |
|  | Nema17 1000 mm Cable with Connector | 2 | ₹ 40 | ₹ 80 | <https://robu.in/product/pure-copper-1000-mm-cable-with-connector-for-nema17-stepper-motor/> |
|  | Nema17 mount bracket bend | 2 | ₹ 199 | ₹ 398 | <https://robu.in/product/easymech-bracket-for-nema-17-stepper-motor/> |
|  | Vacuum cup | 1 | ₹1021 | ₹1021 | <https://www.indiamart.com/suyog-enterprises-pune/profile.html> |
|  | Servo pan tilt for suction cup | 2 | ₹ 899 | ₹ 1798 | <https://robokits.co.in/robot-kits/pan-tilt/2-axis-servo-pan-tilt> |
|  | Screws m5\*35 | 2 | ₹ 149 | ₹ 298 | <https://robu.in/product/easymech-set-of-m5-x-35-mm-socket-head-cap-allen-bolt-and-nut-12-pcs/> |
|  | LM rail 1000mm | 1 | ₹ 3525 | ₹ 3525 | <https://robu.in/product/mgn7h-linear-guide-rail-1m/> |
|  | H bot belt + pulley | 1 | ₹ 832 | ₹ 832 | <https://robu.in/product/5-meter-x-gt2-timing-belt-2pcs-x-gt2-pulley-16-teeth/> |
|  | Pulley 5mm bore for 6mm belt with 20 teeth | 1 | ₹ 151 | ₹ 151 | <https://robu.in/product/aluminum-gt2-timing-pulley-for-6mm-belt-20-tooth-5mm-bore-2pcs/> |
|  | GT2 Timing Idler Pulley For 6mm Belt 20 Tooth 5mm Bore | 3 | ₹ 158 | ₹ 474 | <https://robu.in/product/aluminum-gt2-timing-idler-pulley-6mm-belt-20-tooth-5mm-bore-2pcs/> |
|  | Raspberry Microcontroller | 0 | ₹ 4,905 | ₹ 0 | <https://www.amazon.in/Raspberry-Pi-3B-plus-Motherboard/dp/B07BDR5PDW>  (Issued from College) |
|  | Nema23 motor driver | 1 | ₹ 865 | ₹865 | <https://robu.in/product/tb6600-0-2-5a-cnc-controller-stepper-motor-driver-single-axes-two-phase-hybrid-stepper-motor-for-cnc/> |
|  | Alternate driver   for nema 23 | | | | <https://robu.in/product/leadshine-dm542-digital-stepper-motor-driver-20-50-vdc-with-1-0-4-2a/> |
|  | Nema17 motor driver | 2 | ₹ 73 | ₹ 146 | <https://robu.in/product/l298n-dual-h-bridge-dc-stepper-motor-driver-controller-module/> |
|  | alternative driver  for nema17 | | | | <https://robu.in/product/a4988-driver-stepper-motor-driver-standard-quality/> |
|  | mount bracket for rod and pan tilt | 1 | - | - | 3d print from college |
|  | miscellaneous |  |  | ₹ 3500 | Outsourced 3d prints, drilling & cutting costs, Air shipping charges, Electromagnet |
|  | **Total** |  |  | ₹ 30,106 |  |