

# BOM

Sr. no.	Component	Qty	Price	Total	Link
1.	Aluminum extrusion (1000mm)	10	₹ 549	₹ 5490	<a href="https://robu.in/product/easymech-1000-mm-20x20-4-v-slot-aluminium-extrusion-profile-black/">https://robu.in/product/easymech-1000-mm-20x20-4-v-slot-aluminium-extrusion-profile-black/</a>
2.	V slot gantry	6	₹ 845	₹ 5070	<a href="https://www.amazon.in/dp/B07KNQW6X5?ref=ppx_pop_mob_ap_share">https://www.amazon.in/dp/B07KNQW6X5?ref=ppx_pop_mob_ap_share</a>
3.	Z-axis Ball/Lead screw	2	₹ 439	₹ 878	<a href="https://robu.in/product/600mm-trapezoidal-lead-screw-8mm-thread-2mm-pitch-lead-screw-with-copper-nut/">https://robu.in/product/600mm-trapezoidal-lead-screw-8mm-thread-2mm-pitch-lead-screw-with-copper-nut/</a>
4.	Nema23 for Z axis	1	₹ 2480	₹ 2480	<a href="https://robu.in/product/nema23-57hs112-3004-hybrid-bipolar-stepper-motor/">https://robu.in/product/nema23-57hs112-3004-hybrid-bipolar-stepper-motor/</a>
5.	Nema23 mount bracket bend	1	₹ 304	₹ 304	<a href="https://robu.in/product/bracket-nema-23-stepper-motor-bend/">https://robu.in/product/bracket-nema-23-stepper-motor-bend/</a>
6.	Flexible Spider Shaft Coupling Bore:8x8mm (for Nema23)	1	₹ 398	₹ 398	<a href="https://robu.in/product/aluminum-od25mm-l30mm-flexible-spider-shaft-coupling-bore-8x8mm/">https://robu.in/product/aluminum-od25mm-l30mm-flexible-spider-shaft-coupling-bore-8x8mm/</a>
7.	Nema17 for XY axis	2	₹ 1199	2400	<a href="https://robu.in/product/neema-17-jk42hs60-1704-0-72n-m-round-type/">https://robu.in/product/neema-17-jk42hs60-1704-0-72n-m-round-type/</a>
8.	Nema17 1000 mm Cable with Connector	2	₹ 40	₹ 80	<a href="https://robu.in/product/pure-copper-1000-mm-cable-with-connector-for-nema17-stepper-motor/">https://robu.in/product/pure-copper-1000-mm-cable-with-connector-for-nema17-stepper-motor/</a>
9.	Nema17 mount bracket bend	2	₹ 199	₹ 398	<a href="https://robu.in/product/easymech-bracket-for-nema-17-stepper-motor/">https://robu.in/product/easymech-bracket-for-nema-17-stepper-motor/</a>
10.	Vacuum cup	1	₹ 1021	₹ 1021	<a href="https://www.indiamart.com/suyog-enterprises-pune/profile.html">https://www.indiamart.com/suyog-enterprises-pune/profile.html</a>
11.	Servo pan tilt for suction cup	2	₹ 899	₹ 1798	<a href="https://robokits.co.in/robot-kits/pan-tilt/2-axis-servo-pan-tilt">https://robokits.co.in/robot-kits/pan-tilt/2-axis-servo-pan-tilt</a>
12.	Screws m5*35	2	₹ 149	₹ 298	<a href="https://robu.in/product/easymech-set-of-m5-x-35-mm-socket-head-cap-allen-bolt-and-nut-12-pcs/">https://robu.in/product/easymech-set-of-m5-x-35-mm-socket-head-cap-allen-bolt-and-nut-12-pcs/</a>
13.	LM rail 1000mm	1	₹ 3525	₹ 3525	<a href="https://robu.in/product/mgn7h-linear-guide-rail-1m/">https://robu.in/product/mgn7h-linear-guide-rail-1m/</a>
14.	H bot belt + pulley	1	₹ 832	₹ 832	<a href="https://robu.in/product/5-meter-x-gt2-timing-belt-2pcs-x-gt2-pulley-16-teeth/">https://robu.in/product/5-meter-x-gt2-timing-belt-2pcs-x-gt2-pulley-16-teeth/</a>
15.	Pulley 5mm bore for 6mm belt with 20 teeth	1	₹ 151	₹ 151	<a href="https://robu.in/product/aluminum-gt2-timing-pulley-for-6mm-belt-20-tooth-5mm-bore-2pcs/">https://robu.in/product/aluminum-gt2-timing-pulley-for-6mm-belt-20-tooth-5mm-bore-2pcs/</a>
16.	GT2 Timing Idler Pulley For 6mm Belt 20 Tooth 5mm Bore	3	₹ 158	₹ 474	<a href="https://robu.in/product/aluminum-gt2-timing-idler-pulley-6mm-belt-20-tooth-5mm-bore-2pcs/">https://robu.in/product/aluminum-gt2-timing-idler-pulley-6mm-belt-20-tooth-5mm-bore-2pcs/</a>

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17.	Raspberry Microcontroller	0	₹ 4,905	₹ 0	<a href="https://www.amazon.in/Raspberry-Pi-3B-plus-Motherboard/dp/B07BDR5PDW">https://www.amazon.in/Raspberry-Pi-3B-plus-Motherboard/dp/B07BDR5PDW</a> (Issued from College)
18.	Nema23 motor driver	1	₹ 865	₹865	<a href="https://robu.in/product/tb6600-0-2-5a-cnc-controller-stepper-motor-driver-single-axes-two-phase-hybrid-stepper-motor-for-cnc/">https://robu.in/product/tb6600-0-2-5a-cnc-controller-stepper-motor-driver-single-axes-two-phase-hybrid-stepper-motor-for-cnc/</a>
19.	Alternate driver for nema 23				<a href="https://robu.in/product/leadshine-dm542-digital-stepper-motor-driver-20-50-vdc-with-1-0-4-2a/">https://robu.in/product/leadshine-dm542-digital-stepper-motor-driver-20-50-vdc-with-1-0-4-2a/</a>
20.	Nema17 motor driver	2	₹ 73	₹ 146	<a href="https://robu.in/product/l298n-dual-h-bridge-dc-stepper-motor-driver-controller-module/">https://robu.in/product/l298n-dual-h-bridge-dc-stepper-motor-driver-controller-module/</a>
21.	alternative driver for nema17				<a href="https://robu.in/product/a4988-driver-stepper-motor-driver-standard-quality/">https://robu.in/product/a4988-driver-stepper-motor-driver-standard-quality/</a>
22.	mount bracket for rod and pan tilt	1	-	-	3d print from college
23.	miscellaneous			₹ 3500	Outsourced 3d prints, drilling & cutting costs, Air shipping charges, Electromagnet
	<b>Total</b>			₹ 30,106	