

3001 Hephaestus Arm

1.0 Unit(s)

Cost Structure

Raw Materials	Quantity	Unit Cost	Total Cost
30KG Large Torque 360° High Voltage Digital Servo	3.0 Unit(s)	\$ 18.00	\$ 54.00
R8 Bearing	6.0 Unit(s)	\$ 1.39	\$ 8.34
Steel Dowel Pin 2"	3.0 Unit(s)	\$ 0.36	\$ 1.08
Lulzbot PolyLite PLA 3mm (1 Gram)	825.0 gram(s)	\$ 0.03	\$ 24.75
NUCLEO-F746ZG	1.0 Unit(s)	\$ 24.47	\$ 24.47
Strain gauge Load Cell - 10kg, Straight Bar	3.0 Unit(s)	\$ 6.95	\$ 20.85
Steel Dowel Pin 2"	5.0 Unit(s)	\$ 0.36	\$ 1.80
M4 x 40mm	1.0 Unit(s)	\$ 0.12	\$ 0.12
M5 x 30mm	16.0 Unit(s)	\$ 0.74	\$ 11.84
M2 x 10mm	12.0 Unit(s)	\$ 0.16	\$ 1.92
USB A MALE TO MICRO B MALE 3'	2.0 Unit(s)	\$ 2.48	\$ 4.96
Small BreadBoard	1.0 Unit(s)	\$ 4.50	\$ 4.50
USB Logic Analyzer	1.0 Unit(s)	\$ 16.99	\$ 16.99
M3 x 10mm	8.0 Unit(s)	\$ 0.07	\$ 0.56
Sony PlayStation Eye Camera	1.0 Unit(s)	\$ 6.99	\$ 6.99
M5 x 8mm	12.0 Unit(s)	\$ 0.09	\$ 1.08
Axis Encoder Board	3.0 Unit(s)	\$ 75.00	\$ 225.00
Nucleo-144-Motherboard	1.0 Unit(s)	\$ 20.00	\$ 20.00
Rubber feet	8.0 Unit(s)	\$ 2.50	\$ 20.00

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Raw Materials	Quantity	Unit Cost	Total Cost
M5 x 100mm	4.0 Unit(s)	\$ 0.76	\$ 3.04
M5 x 75mm	10.0 Unit(s)	\$ 0.15	\$ 1.50
M5 Steel Nylon-Insert Locknut	18.0 Unit(s)	\$ 0.04	\$ 0.72
M3 x 6 mm	3.0 Unit(s)	\$ 0.08	\$ 0.24
M5 x 45mm	4.0 Unit(s)	\$ 0.14	\$ 0.54
1/4 in. 3'x2' PureBond Birch Plywood	1.0 Unit(s)	\$ 27.92	\$ 27.92
Jx pdi-6221mg 20 Kg Servo	1.0 Unit(s)	\$ 9.75	\$ 9.75
Total Cost of Raw Materials			\$ 492.96