

Parts	Link/STL	Amount	Filament	Time	Price		Total:	
Commercial parts:								
Threaded Rod 1/4 in. x 6 ft	HomeDepot	x4		0	0	\$23.92		
Hex Nut 1/4 in.	HomeDepot	x1		0	0	\$2.18		Estimate cost:
Concrete Mix 80 lb.	HomeDepot	x1		0	0	\$5.98		\$473.94
MGN12 Linear Rail Guide	Amazon	x2		0	0	\$81.98		Time:
Nema 17 Stepper	Amazon	x3		0	0	\$32.97		199.6 hr
Aluminum 5mm Bore 2GT	Amazon	x2		0	0	\$25.98		Filament:
GT2 Belt 150mm Length	Amazon	x1		0	0	\$9.99		3866 g
5mm x 100mm steel rod	Amazon	x1		0	0	\$6.99		3.866 kg
10 Teeth HTD 5M	Amazon	x2		0	0	\$33.70		
Ball Bearings	Amazon	x1		0	0	\$9.49		
Flanged Ball Bearings	Amazon	x1		0	0	\$9.99		
150mm Lead Screw	Amazon	x1		0	0	\$12.49		
60 Teeth Pulley	Amazon	x1		0	0	\$9.49		
Power Supply	Amazon	x1		0	0	\$17.99		
CNC Shield	Amazon	x1		0	0	\$15.99		
Emergency Stop	Amazon	x1		0	0	\$13.99		
Timing Belt	Amazon	x1		0	0	\$19.99		
500mm MGN12 Linear Rail	Amazon	x2		0	0	\$57.98		
20x20 extrusion	Amazon	x2		0	0	\$7.90		
Makita router	Makita	x1		0	0	N/A		
Heated inserts	Amazon	x1		0	0	\$9.99		
Micro Limit Switch	Amazon	x1		0	0	\$5.99		
M4 Screws Assortment Kit	Amazon	x1		0	0	\$9.99		
M4 T Nuts	Amazon	x1		0	0	\$5.99		
4kg pla	Amazon	x1		0	0	\$42.99		
3D Printed parts:								
Wall	Github	x14		1876	98.5			
Corner	Github	x4		248	20			

Cover	Github	x14	392	21			
Corner Cover	Github	x4	85	4			
Rail Rider	Github	x1	127	4.6			
bearng cover	Github	x4	20	0.7			
Z Axis base	Github	x1	105	4.5			
Z Axis rail	Github	x1	155	6			
Router mount	Github	x1	80	4			
Belt clip	Github	x4	60	4			
Z Axis top	Github	x1	94	4.5			
Rail Rider flip	Github	x1	127	4.6			
electronics box	Github	x2	395	19			
stop position	Github + Github	x1	2	0.2			
elctronics box lid	Github	x2	100	4			