

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 + Githu	x1	2	0.2				
elctronics box lid	Github	x2	100	4				