

Item	Price per Unit (\$)	Quantity	Total Cost (\$)	Vendor
Uxcell electromagnet	7.5	1	7.5	SPDL
Battery	0	4	0	SPDL loan
Wheels	0	2	0	SPDL Corner of Freedom
Castor Wheels	0	1	0	SPDL Corner of Freedom
strip LEDs	0.75	1	0.75	PRL
Duron 1/8	3	1	3	PRL
Duron 1/4	4	0	0	PRL
Color Sensor	0	1	0	SPDL
Wire	6	1	6	PRL
Breadboards	4	4	16	PRL
Encoders (2)	9.32	1	9.32	SPDL
3D printing encoder mounts	1.08	1	1.08	SPDL
Limit Switch	1.3	4	5.2	PRL/SPDL
TLE Motor Driver (2)	9.5	2	19	SPDL
Switches	1.4	2	2.8	SPDL
5A Fuse	0.5	1	0.5	SPDL
Battery Connectors	1.65	2	3.3	SPDL
Encoder 3D Prints			4.33	PRL
Drive Prints			5.04	PRL
Big Circuit board + Shaft + Bridge			7.25	PRL
Miner grabber,ir mount,pillow block 3D print	5.41		5.41	PRL
Motor couplers	6.16		13.42	Amazon
Motor mount hardware			3	PRL
Threaded rods and fasteners			5.96	Ace
1/4-20 screws and nuts	0.11	32	3.52	Ace
Motor screws	0.23	10	2.3	Ace
2 pin molex male	0.15	22	3.3	PRL/SPDL
2 pin molex female	0.12	22	2.64	PRL/SPDL
3 pin molex male	0.19	2	0.38	PRL/SPDL
3 pin molex female	0.19	4	0.76	PRL/SPDL
4 pin molex male	0.12	3	0.36	PRL/SPDL
4 pin molex female	0.25	1	0.25	PRL/SPDL
Project Total Cost:			132.37	