

<i>No.</i>	<i>Item</i>	<i>Part</i>	<i>Description</i>
1	Motor	Maxon 305013	24 V brushless motor
2	Encoder	Maxon 110516	3 channel optical encoder
3	Controller	ELMO Gold Solo Twitter	Precise programmable motor controller
4	Battery	Turnigy Panther	1000 mAh 6S batter pack
5	Load cell	Degraw 40 kg	400 N weight scale load cell
6	PCB	Custom	Motor controller power supply
7	Mount	Custom	Aluminum 6040 custom-machined motor mount
8	Belt pulley	B&B 24MP025M6FA5	Timing pulley to redirect motor force
9	Spool pulley	McMaster 1375K51	Creates gear ratio of 1.53
10	Cable	Lexco 451310-00	Connects struts to motor mount
11	Strut	Custom	Carbon fiber moment arms
12	Shoe pin	McMaster 90265A402	Shoulder screw for attaching strut to shoe
13	Shoe	Military boot	Large-soled boot in size 11 M and 8 W