

ITEM NO.	Fabricate / Purchase	status	PART NUMBER	AXIS	Material	QTY.	screw count	screw	nut	total screws
1	P	on hand	BF12 - floated block	Y		2	2			
2	P	on hand	ball screw (1050mm)	Y		2	none	M6 X 50	M6 nuts	4
3	F	completed	Y screw mounting plate	Y	1/2" Baltic Birch	2	none			
4	P	on hand	SBR20 profile Y axis (1000mm)	Y		2	10	M5 X 25	M5 sliding T-nuts	20
5	P	on hand	coupling (check motor shaft size, 1/4" or 8mm)	XY		3	none			
6a	P	on hand	SBR20 bearing block	Y		4	4	M6 X 30		16
6b	P	on hand	SBR20 bearing block	X		4	4	M6 X 15		16
7	P	on hand	1605 Ball nut	X		2	6	M5 X 20		12
8	Assembly		X axis lead screw assembly	X		1	none			
	P	on hand	ball screw-750mm	X		1	none			
	P	on hand	1605 Ball nut	X		1	6	M5 X 20		6
	P	on hand	BF12 - floated block	X		1	2	M6 X 50	M6 nuts	2
	P	on hand	BK12 - fixed side block	X		1	4	M6 X 50	M6 nuts	4
9	F	completed	gantry back plate - wood	X	3/4" Baltic Birch	1	8	#8 - 1.75" wood screw		8
10	P	on hand	SBR20 profile (700mm)	X		2	8	M5 x 25	M5 nuts	16
11	P	on hand	3060 corner bracket	T		8	8	M6 x 20 T-bolt	Serrated nuts	64
12	F	completed	cabie tray ledge	T	3/4" MDF	1	4	M5 X 20	M5 turning T-nuts	4
13	Assembly		Z-plate assembly	Z		1	none			
	F	completed	Z-plate	Z	1/2" Aluminum (6" x 14")	1	none			
	Assembly		350 ball assembly	Z		1	none			
	P	on hand	RM1605-350mm	Z		1	none			
	P	on hand	1605 Ball nut	Z		1	6	M5 X 20		6
	P	on hand	BF12 - fixed side block	Z		1	4	M6 X 40		4
	P	on hand	BF12 - floated block	Z		1	2	M6 X 40		2
	F	completed	Z - plate motor mount	Z	1/4" Aluminum (6" x 3")	1	3	M5 X 16		3
	P	on hand	SBR20 profile (300mm)	Z		2	4	M5 X 16		8
	P	on hand	Nema 23 motor - 425 oz-in	Z		1	4	#10-32 x .625"		4
	P	on hand	93265A491 - spacer 1/4" dia by 1.25", 10-32	Z		4	1	#10-32 x .625"		4
	P	on hand	coupling (check motor shaft size, 1/4" or 8mm)	Z		1	none			
14	Assembly		spindle mount assembly	Z		1	none			
	on hand	on hand	router	Z		1	none			
	P	on hand	SBR20 bearing block	Z		4	4	M6 x 25		16
	F	completed	Spindle mount	Z	1/2" Baltic Birch (doubled up)	1	4	1/4" -20 x 2"		4
15	F	completed	work surface- wood version	T	3/4" MDF	1	30	M5 X 20	M5 turning T-nuts	30
16	F	completed	spacer 5mm BF12 floating	X	5 mm Aluminum	1	none			
17	F	completed	Motor end plate left side	T	1/2" Baltic Birch	1	6	M5 X 16	M5 sliding T-nuts	6
18	F	completed	End plate without motor-left side	T	1/2" Baltic Birch	1	6	M5 X 16	M5 sliding T-nuts	6
19	F	completed	End plate without motor-right side	T	1/2" Baltic Birch	1	6	M5 X 16	M5 sliding T-nuts	6
20	F	completed	Motor end plate right side	T	1/2" Baltic Birch	1	6	M5 X 16	M5 sliding T-nuts	6
21	F	completed	side support motorless side	T	1/2" Baltic Birch (doubled up)	1	none			
22	P	on hand	limit switch	XYZ		6	2	#4 -40 X .5"		12
23a	F	completed	switch bracket	XY	1.5 x 1.5 aluminum angle iron	4	2	#6 x 1/2" sheet metal screw		8
23b	F	completed	switch bracket	Z	1.5 x 1.5 aluminum angle iron	2	2	#4 -40 X .5"		4
24	F	completed	switch flag z (and x axis)	Z	.125" polycarbonate	2	2	#4 -40 X .5"		4
25a	P	on hand	ball nut housing (X axis)	X		1	4	M5 X 20		4
25b	P	on hand	ball nut housing (Y axis)	Y		2	4	M5 X 35		8
25c	P	on hand	ball nut housing (Z axis)	Z		1	4	M5 X 30		4
26	F	completed	side support bottom tie in	T	1/2" Baltic Birch	1	8	#8 - 1.5" wood screw		8
27	F	completed	ball nut spacer 5mm (51mm x 39mm)	YZ	5 mm Aluminum	3	none			
28	F	completed	side support motor side	T	1/2" Baltic Birch (doubled up)	1	none			
29	F	completed	base side plate	T	1/2" Baltic Birch	2	27 + 16	#8 - 1.5" wood screw		43
30	F	completed	Motor Mounts - plan b	XY	1/4" Baltic Birch	3	4	# 8 x .75" sheet metal screw		12
31	F	completed	X cable tray support	T	1/2" Baltic Birch	1	11	#8 - 1.5" wood screw		11
32	F	completed	draa chain support - x axis	T	1/4" Baltic Birch	1	2	#6 x 1/2" sheet metal screw		2
33	F	completed	draa chain support - y axis	T	1/4" Baltic Birch	1	2	# 8 x .75" sheet metal screw		2
34	F	completed	plexiglass side shield	T	.125" polycarbonate	2	8	#8 - 1.5" wood screw		16
35	F	completed	top with hold down tracks	T	3/4" MDF	1	32	# 8 x .75" sheet metal screw		32
36	F	completed	spacer - y limit switch	Y	1/2" Baltic Birch	2	2	#6 x .75" sheet metal screw		4
37	F	completed	flag - v axis	Y	.125" polycarbonate	1	2	#4 -40 X .5"		2
38	P	on hand	5 mm bolt - rail (shown in cross section) ignore		ignore					
39	P	on hand	Nema 23 motor - 425 oz-in	XY		3	4	#10-32 x .75"	#10-32 nuts	12
40	F	completed	spacer 5mm BK12 fixed	X	5 mm Aluminum	1	none			
41	P	on hand	BK12 - fixed side block	Y		2	4	M6 X 50	M6 nuts	8
42	P	on hand	30x60 X axis extrusion (870mm)	X		2	none			
43	P	on hand	30x60 Y axis extrusion (1020mm)	Y		2	none			
44	P	on hand	30x60 table support (553.8mm)	T		2	none			
45	P	on hand	15mm x 30mm Black Plastic Semi Closed Drag Chain Cable Carrier 1M			1	4	#6 x 1/2" sheet metal screw		4
46	P	on hand	18 x 25mm 1M Semi Enclosed Type Wire Carrier Drag Chain. New			1	4	#6 x 1/2" sheet metal screw		4

motor mounts (3) - 1/4" baltic birch