1 Aurilarium Fairer - Spring HFSBC 2552 58 54.77 43.77 is uniform - Com	ML1 Parts	Qty.	Description	Mfg. Part #	Unit cost	Cost	Supplier	Comments
1 Aluminum Frame - bottom and FFSSE-2502-368 34.07 47 / 47 / 47 / 47 / 47 / 47 / 47 / 4	Frame	2	Aluminum Frame - side rails	HFSB5-2525-460	\$7.68	\$15.36	us.misumi-ec.com	
1 Aurnam Frame - poton rail								
1		1			\$8.47			
2		1						(2 holes 107mm)
New York 1								
1 Y Glass	Threaded Rod 320mm							Alt: Fastenal, Grainger
1 Y Glass								· · · · · · · · · · · · · · · · · · ·
PGB Black	Alu Y Carriage							
Pulleys 2 Pulley - 20 tooth aluminum 81720FPA \$4.85 \$8.90 Ulibotis com Possible all = 88.8 Manufacturing 8180 10 tooth com \$8.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$8.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 10 tooth com \$9.50 ulix - \$9.90 ulight \$9.00 ulim - \$9.50 ulight \$9.00 ulim - \$9.50 ulix - \$9.90 ulight \$9.00 ulim - \$9.50 ulix - \$9.90 ulim - \$9.50 ulix - \$9.5								
Seeing 2		1	PCB Black	Ebay avanticircuits.com	\$17.00	\$17.00		Contact Avanti for direct purchasing, logo options, etc.
Seeing 2	Pulleys	2	Pulley - 20 tooth aluminum	GT2PEA	\$4.95	\$9.90	Ultibots.com	Possible alt = B&B Manufacturing
Vision V	Belts	2		817752010986	\$8.50	\$17.00	Lulzbot.com	
A Visiot Wheel Kits - Derkin V-Stot Smooth Inter Pulley Kit Search	X Idler		ů .	V-Slot Smooth Idler Pulley Kit	\$4.95			
Searings 2 2 2 2 2 2 2 2 2								Cheaner at OnenBuilds com
A Pillow block bearing	VVIICOIS		VSIOT WHICE INTO - Delim	V-Clot Cirioda Falci Falicy Rit	Ψ4.00	Ψ10.00	Ollibots.com	Oncaper at Openbanas.com
PG35L gared stepper motor PG35L short fin heat sink	Bearings							•
Fleat slink		4	Pillow block bearing	KSTM-08	\$6.00	\$24.00	Igus.com	4/\$16 at Lulzbot 817752011433
Fleat slink	Extrudor motor	1	PC35L goared stopper meter	PC35I	\$24.05	\$24.05	Liltihots com	
Extruder hardware		-						
Sambo								
Rambo 1 Rambo 13 UMRAMBOPAC13 \$170.00 Ultimachine.com http://www.mpia.com/NEMA-17-Stepper-Motors/products/5201 4 Nema-17 Stepper Motors 817752011303 \$13.95 \$55.80 Lulzbot.com http://www.mpia.com/NEMA-17-Stepper-Motors/products/5201 4 Nema-17 Stepper Motors 817752012412 \$95.00 S95.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 817752012478 \$45.00 \$45.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 817752012478 \$45.00 \$45.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 817752012478 \$45.00 \$45.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 817752012478 \$45.00 \$45.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 817752012478 \$45.00 \$45.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 817752012478 \$45.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 817752012478 \$45.00 Lulzbot.com seems basic, perhaps cheaper source? 1 12 \text{VIC 16A PSU w 4pin plug} 1 1 1 1 1 1 1 1 1		-						
Nema 17	ran	3	Fan - 40 x 40 x 10 mm 12v 8cm	40mm 12V	\$1.99	\$5.97	store.quintessentialuniversalbuildingdevice.com	
Budaschnozzie 2.0 w/ .35 nozzie	Rambo	1	Rambo V1.3	UMRAMBOPAC13	\$170.00	\$170.00	Ultimachine.com	
2-0wer Supply 1 4-pin female power receptacle 817752012478 \$2.50 \$	Nema 17	4	Nema-17 Stepper Motors	817752011303	\$13.95	\$55.80	Lulzbot.com	http://www.mpja.com/NEMA-17-Stepper-Motors/products/520/
2-0wer Supply 1 4-pin female power receptacle 817752012478 \$2.50 \$	Hotend	1	Budaschnozzle 2.0 w/ .35 nozzle	817752014212	\$95.00	\$95.00	Lulzbot.com	
1 12vDC 16A PSU w/ 4pin plug					700.00	******		
#14 str ins CU (red & black) - #14 female blade crimp connector connector #15 female blade crimp connector #16 female blade crimp connector #17 Rocker Switch #18 Molex Male Pin #19 Molex Male Pin #19 Fire Braided Sleeving - 18" #19 Age to spring #10 female blowing #14 str ins CU (red & black) - #15 female blade crimp connector #16 female blade crimp connector #17 Fire Braided Sleeving - 18" #18 Spring #19 Fire Length, 26"# Spring Rate #10 In Molex Male Pin #14 str ins CU (red & black) - #15 female blade crimp connector #16 female blade crimp connector #17 Fire Braided Sleeving - 18" #18 Spring #19 Fire Braided Sleeving - 18" #19 Fire Braided	Power Supply	1	4-pin female power receptacle	817752012485	\$2.50	\$2.50	Lulzbot.com	seems basic, perhaps cheaper source?
12 12" \$0.00 Radio Shack		1	12vDC 16A PSU w/ 4pin plug	817752012478	\$45.00	\$45.00	Lulzbot.com	
#14 female blade crimp connector	Wiring	12				\$0.00	Radio Shack	local purchase as needed - no bulk supplier yet
1								
1 Molex Male Housing WM6676-ND \$1.21								
1 Molex Male Pin WM2517CT-ND \$0.14 \$0.14 \$0.14 \$0.00 Digikey.com 0.08 > 100		1						
Molex Female Housing WM5329-ND \$0.41 \$0.00 Digikey.com 0.39 > 10 (usually comes w/ board)		1	Molex Male Housing	WM6676-ND		\$1.21	Digikey.com	1.06 > 10
Molex Female Pin WM2573CT-ND \$0.24 \$0.00 Digikey.com 0.15 > 100 (usually comes w/ board)		1	Molex Male Pin	WM2517CT-ND		\$0.14	Digikey.com	
18			Molex Female Housing	WM5329-ND	\$0.41	\$0.00	Digikey.com	0.39 > 10 (usually comes w/ board)
1/4" PET Braided sleeving BS-XO-025-BK-100 \$0.00 ElectriDuct Inc. 100' roll, \$25.00 1			Molex Female Pin	WM2573CT-ND	\$0.24	\$0.00	Digikey.com	0.15 > 100 (usually comes w/ board)
1		18	1/2" PET Braided Sleeving - 18"	X000FEJPET	\$0.02	\$0.36	Amazon/ElectriDuct Inc.	100' roll, \$25.00
6 1/4" heat shrink tubing 0705394 \$0.07 \$0.43 Fastenal 26 x 6" / \$11.16 = \$0.072 per inch 84" #24 CU stranded coated (red) Red 42" #24 CU stranded coated (others) Compression Spring, 302 Stainless Steel, .18" OD, .022" Wire Size, .0365" Compression Length, .69" Free Length, 2.61# Load Capacity, 8"# Spring Rate 1 One free roll of PLA filament 5 One free roll of PLA filament 5 Total 80.07 \$0.43 Fastenal 26 x 6" / \$11.16 = \$0.072 per inch Red Orange, Yellow, Green, Blue, Black Orange, Yellow, Green, Blue, Black Amazon 10 per pack at \$11.35 Total from Screws Page			1/4" PET Braided sleeving	BS-XO-025-BK-100		\$0.00	ElectriDuct Inc.	100' roll, \$25.00
6 1/4" heat shrink tubing 0705394 \$0.07 \$0.43 Fastenal 26 x 6" / \$11.16 = \$0.072 per inch 84" #24 CU stranded coated (red) Red 42" #24 CU stranded coated (others) Compression Spring, 302 Stainless Steel, .18" OD, .022" Wire Size, .0365" Compression Length, .69" Free Length, 2.61# Load Capacity, 8"# Spring Rate 1 One free roll of PLA filament 1 One free roll of PLA filament Flotal Fastenal 26 x 6" / \$11.16 = \$0.072 per inch Red Orange, Yellow, Green, Blue, Black Orange, Yellow, Green, Blue, Black Amazon 10 per pack at \$11.35 Total from Screws Page		1	1/2" heat shrink tubing	0705396	\$0.10	\$0.10	Fastenal	20 x 6" / \$11.53 = \$0.096 per inch
84" #24 CU stranded coated (red) Red		6			\$0.07			
42" #24 CU stranded coated (others) Orange, Yellow, Green, Blue, Black		84"	-					,
Compression Spring, 302 Stainless Steel, 1.18" OD, .022" Wire Size, .0365" Compression C01800220690S Length, .69" Free Length, 2.61# Spring 4 Load Capacity, 8"# Spring Rate B005KSQ4H0 \$1.14 \$4.56 Amazon 10 per pack at \$11.35								
One free roll of PLA filament	Sprina		Compression Spring, 302 Stainless Steel, .18" OD, .022" Wire Size, .0365" Compression Length, .69" Free Length, 2.61#		\$1.14	\$4.56	Amazon	
Fotal \$698.83 \$24.06 Total from Screws Page	Filament	1						
\$24.06 Total from Screws Page	Total							
·						•		
\$18.69 Total from Toolkit Page							-	