

Bill of Materials				
Description	Vendor	Vendor #	SB part #	Qty
Total Sales Price				1
Assembly Labor				8
X Gusset	USAD		4762	2
Nut Bracket	USAD		4761	2
Z Plate	USAD		4652	1
Router Bracket Connector	USAD		4654	1
Router Bracket Upper	USAD		4655	1
Router Bracket Lower	USAD		4656	1
Z Motor Plate	USAD		4657	1
X-Z Carriage	USAD		4659	1
X Rail Backing Plate	USAD		4660	1
X Motor Plate	USAD		4661	1
Y Bearing Backing Plate	USAD		4662	2
Y Nut Holder	USAD		004894	1
Cable Guide Tray	USAD		4663	1
Cable Guide Barrier	USAD		4664	1
Z Zero Plate	USAD		4665	1
Y Motor Plate	USAD		4666	1
Base Plate Backing	USAD		4667	1
Y Nut Bracket	USAD		4668	1
Bracket Universal Mount	USAD		3653	2
Handibot Machined Parts Kit	USAD		4764	1
Hood Face	Handibot		4669	1
Hood Side Window	Handibot		4670	2
Electronics Enclosure	Handibot		4671	1
LED Strip Cover	Handibot		4672	1
Tool Holder Window	Handibot		4673	1
Rear Neoprene Plate	Handibot		4674	1
Front Neoprene Plate	Handibot		4675	1
Side Neoprene Plate	Handibot		4676	1
Rear Neoprene	Handibot		4677	1
Front Neoprene	Handibot		4678	1
Side Neoprene	Handibot		4679	1
Logo Plate	Handibot		4680	2
Base Plate HDPE	Handibot		4681	1
Button Holder HDPE	Handibot		4682	1
Electronics Partition HDPE	Handibot		4683	1
Electronics Wall HDPE	Handibot		4684	1
Tool Holder Frame HDPE	Handibot		4685	1
Vacuum Foot HDPE	Handibot		4686	1
Rear Wall HDPE	Handibot		4687	1

Hood Left Side HDPE	Handibot		4688	1
Hood Right Side HDPE	Handibot		4689	1
Tie Plate HDPE	Handibot		4690	1
Y Motor Holder HDPE	Handibot		4691	1
Mid Plate HDPE	Handibot		4692	1
Y Motor Guard HDPE	Handibot		4693	1
ExoFrame Base HDPE	Handibot		4694	1
Sensor Holder HDPE	Handibot		4695	0
ExoFrame Left Side HDPE	Handibot		4696	1
ExoFrame Right Side HDPE	Handibot		4697	1
Handle HDPE	Handibot		4704	1
Handibot Cut Parts Kit	Handibot		4765	1
Motor Actuator X 315mm	Haydon Kerk	K57M4Y-05-019	3621	1
Motor Actuator Y 270mm	Haydon Kerk	K57M4Y-05-020	3622	1
Motor Actuator Z 150mm	Haydon Kerk	K57M4Y-05-021	3623	1
Block Linear Rail	Accu-Tech	SME 15SBSSFC	3864	7
Assembly Rail Linear 242	Accu-Tech	SME 15 SB 1 SS +R242-31/31N	4093	2
Rail Linear 366	Accu-Tech	SME 15 SB 2 SS +T366 -33/33N	4076	2
Assembly Rail Linear 168	Accu-Tech	SME 15 SB 1 SS +R168 -24/24N	4095	1
Micro Step Drive G250X	Gecko Drive	G250X	2780	4
Assy Interface Handibot	GRT	HB-5	4544	1
Fabmo Card			4629	1
Power Supply	Emco	HRP-150-24	3664	1
Switch Stop	Spark Fun	COM-09336	3662	1
Switch Go	Spark Fun	COM-09341	3663	1
Cord Power	Jameco	2099999	3711	1
Guard Fan	Jameco	1952708	3713	1
Board Arduino	Spark Fun	DEV-11113	3697	1
Lights Indicator LED	AdaFruit	001138	3698	0.16
Thermal Pad 0.10x8x16	Digikey	926-1114-ND	3118	0.166
WAGO right angle	EMCO			1
Connector Wago 2 Pin Male	EMCO	231-602	163	1
WAGO Board Connector	EMCO		004177	2
Switch Rocker W/V Lock	Digikey	486-1638-ND	3834	1
Cable 18 2C Unshielded	Machine Controls	450003-15	4705	52
Cable 4C 18 AWG STR BC	ANIXTER	8489	95	34
Cable 2Cx0.25 Br & W	Machine Controls	117039	3004	12
Black 18 AWG	Digikey	C2064B-1000-ND	4600	20
White 18 AWG	Digikey	C2064W-1000-ND	159	19
Blue 18 AWG	Digikey	C2064L-1000-ND	4838	14
Green 18 AWG	Digikey	C2064G-1000-ND	4601	5
Ribbon Cable	Jameco	643559	864	6
USB Short cable				1
Heat Shrink 2"x40mm Black	Heat Shrink	B2(3x)x40mm	1648	1.5
22-16 AWG Female Disconnect	Jameco	489627	3796	8
Grey Ferrule	Fastenal	0749603	3419	2

White Ferrule	Fastenal	0749600	3505	4
Red Ferrule	Fastenal	0749607	3777	1
18-22 AWG Female Terminal	Jameco	489643	3795	4
Z Zero Clip	Digikey	314-1084-ND	4790	1
Relay 24V	Digikey	PB1008-ND	3699	1
Connector Fork 22-16 AWG	Fastenal	0720185	2758	11
Zip Tie Anchor	McMaster	7566K29	4821	3
Cable Tie 6" Black	Fastenal	63124	3108	13
M3x16 BHSCS	McMaster	92095A184	5079	2
M4x10 SHCS	Fastenal	39524	3053	10
M4x16 SHCS	McMaster	90128A215	4818	14
M4x20 SHCS	Fastenal	11103313	3096	6
M4x14 BHSCS	Fastenal	39901	4748	17
M4x16 BHSCS	Fastenal	39902	4749	19
M4x20 BHSCS	Fastenal	39903	4750	1
M4 x 10 FHSCS	McMaster	91294A190	4822	2
M4 x 10 Nylon Screw	McMaster	92492A220	4816	2
M5 x 20 SHCS	Fastenal		3873	2
M5x10 BHSCS	Fastenal	MB2540010A2000	4751	8
M5x14 BHSCS	Fastenal	11510097	3810	12
M5x20 FHSCS	Fastenal	1139947	4753	4
M6x18 FHSCS	Fastenal	40947	4755	5
2-56x1/4 SHCS	Fastenal	73399	4743	8
6-32 x 5/16 BHSCS	Fastenal	73763	4744	8
6-32 x 5/8 Standoff	Fastenal	146059	4759	4
1/4-20 x 1/2 BHSCS	Fastenal	24049	2134	11
1/4-20 x 3/4 BHSCS	Fastenal	24051	2135	1
1/4-20 x 1 BHSCS	Fastenal	140675	3802	7
1/4-20 x 7/16 FHSCS	McMaster	92210A536	4817	1
1/4-20 x 20mm Connector Bolt	Fastenal	140675	3802	4
1/4-20 x 30mm Connector Bolt	Fastenal	140679	3667	37
1/4-20 Square Nut	Fastenal	37619	4419	48
#6 x 3/8 FH Sheet Metal Screw	Fastenal	31528	4756	6
#6x1/2 PPH	Fastenal	1131226	4423	2
#8 x 3/8 PPH	Fastenal	0143200	4422	8
#8 x 3/8 FH Sheet Metal Screw	Fastenal	148505	4757	25
#8x1/2 Pan Head	Fastenal	0143318	4421	2
#10 x 1/2 Pan Head	Fastenal	31341	4758	9
1/4x1/4x#8 Aluminum Spacer	Fastenal	146031	4760	2
Plastic Countersunk Washer	McMaster	95481A035	4819	1
0.375 x 0.25 Magnet	Apex Mag	M38x14DI	4815	4
Vacuum Tube	McMaster	5500K31	4789	1.2
Brush 120"x1.6" Exposed	Sealeze	FXD80IH16BL	3376	12.5
Extension Spring	McMaster			
3/8 x 0.012 Spring Steel Banding	McMaster	9075K46	4820	13
3mm T Handle Allen	McMaster		005080	1

4mm T Handle Allen	McMaster		4787	1
2mm Allen L key			005081	1
Pointer	Handibot		4788	1
User Manual	Handibot		4786	1
vCarve Pro	Vectric		11149	1
ShopBot Control License	ShopBot		11161	1
Dewalt Router	Dewalt		12012	1
Foam Back Packaging	Handibot		4768	2
Foam Bottom Packaging	Handibot		4769	1
Foam Top Packaging	Handibot		4770	1
Foam Front Packaging	Handibot		4771	1
Test Board	Handibot			1
Box 22 x 18 x 16	Uline	S-16458	4767	1