

Parts and Materials Purchased

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Qty of Lots	Part Description, Dimensions and Selection	Cost	Supplier	Link
1	Linear Shafts 10mm OD 500mm L (pack of 2)	\$15.20	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Linear Shafts 12mm OD 500mm L (pack of 2)	\$19.10	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Linear Bearings LM10LUU (pack of 4)	\$8.28	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Linear Bearings LM12LUU (pack of 4)	\$8.91	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Anti-Backlash Nut Tr8x8x2 (pack of 2)	\$7.64	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Stepper Motor for Z with Lead Screw 500mm L	\$23.91	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Nema 17 Stepper Motor 48 Ncm (pack of 3)	\$30.66	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
3	Aluminum 3030 Corner Brackets (pack of 10)	\$20.64	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Locking Caster 30mmx30mm base 15kg load supporting (pack of 4)	\$11.14	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
2	GT2 Idler 20T W6 B3 With T 5 per lot (pack of 5)	\$8.47	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
2	GT2 Pulley 16 teeth 5mm bore	\$1.06	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Anti-Vibration Pads for Table 77x77x7mm LxWxH (pack of 4)	\$1.51	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Fiberglass GT2 Belt 5m L	\$5.22	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
4	Table Mounting Brackets (pack of 2)	\$3.89	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	T Slot Nuts M6 m6 100pcs (pack of 100)	\$10.66	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
4	Aluminum Extrusion 3030 Frame 440mm L HFS	\$17.60	Misumi	<a href="https://us.misumi-europe.net/">https://us.misumi-europe.net/</a>
8	Aluminum Extrusion 3030 Frame 470mm L HFS	\$37.60	Misumi	<a href="https://us.misumi-europe.net/">https://us.misumi-europe.net/</a>
4	Aluminum Extrusion 3030 Bed 280mm L	\$17.88	Misumi	<a href="https://us.misumi-europe.net/">https://us.misumi-europe.net/</a>
1	Anodized Aluminum Tubing 3/8"Dx29/200"IDx72"L	\$12.14	McMaster-Carr	<a href="https://www.mcmaster.com/">https://www.mcmaster.com/</a>
2	LACK Side table 550x550x450mm Feet: ~50x50mm	\$29.98	IKEA	<a href="https://www.ikea.com/">https://www.ikea.com/</a>
1	M3x25x0.5 for Pulleys (pack of 100)	\$8.24	Gamut	<a href="https://www.gamut.com/">https://www.gamut.com/</a>
1	M3x0.5 Nut for Pulley 5.5mm W 2.41mm H (pack of 100)	\$0.62	Gamut	<a href="https://www.gamut.com/">https://www.gamut.com/</a>
1	M6x20x1.0 for Mounting (pack of 100)	\$21.01	Gamut	<a href="https://www.gamut.com/">https://www.gamut.com/</a>
1	M3 Set Screws 25mm L M3X25(50pcs) (pack of 50)	\$6.99	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Aluminum 3030 2-Hole Connector Plates for Bed 30s 10pcs (pack of 10)	\$8.99	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Silicone Heating Pad 300x300mm 120V 750W	\$24.62	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	M3 Knurled Thumb Nuts (pack of 10)	\$0.99	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	M3 Washers for Thermistor Mount (pack of 50)	\$3.36	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	SSR for Silicone Heat Pad SSR 40DA	\$5.86	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	100k NTC Thermistor (pack of 10)	\$2.83	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Cast Aluminum Bed 1/4" H 13" L 13" W	\$54.48	Midwest Steel and Aluminum	<a href="https://www.midweststeel.com/">https://www.midweststeel.com/</a>
1	M6x12x1.0mm Screws (pack of 100)	\$15.91	Gamut	<a href="https://www.gamut.com/">https://www.gamut.com/</a>
1	M3 Nylon Spacers For Bed 10mm L 5mm OD (pack of 10)	\$1.80	Gamut	<a href="https://www.gamut.com/">https://www.gamut.com/</a>
1	M3x4 Screws for Thermistor (pack of 100)	\$6.39	Gamut	<a href="https://www.gamut.com/">https://www.gamut.com/</a>
1	M3x10x0.5 for Motors (pack of 25)	\$4.89	Gamut	<a href="https://www.gamut.com/">https://www.gamut.com/</a>
4	PVC Pipe 20mm D 50cm L White	\$10.79	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Power Supply 12V 20A	\$15.25	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Switch and C14 Socket 10A fuse Red	\$0.93	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
3	Boxes of Silica Gel Yellow	\$7.25	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Arduino Mega RAMPS 1.4, A4988 Stepper Drivers, Endstops, LCD	\$36.85	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Silicone Wire Flexible 10m 16AWG half of red black	\$12.92	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Acrylic Offset for Hinges 100x100x3mm A2	\$3.28	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Acrylic Hinges 25 x 33 x 3mm (pack of 10)	\$2.42	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Titan Extruder and V6 Hotend and Motor Type 3	\$25.04	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	PTFE Tube and Pneumatic Couplers 2mm ID 4mm OD 1m L Type C	\$3.28	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
2	M3 Wing Nuts (pack of 10)	\$1.93	Aliexpress	<a href="https://www.aliexpress.com/">https://www.aliexpress.com/</a>
1	Power Cord 10A NEMA 5-15P to C13	\$7.50	Amazon	<a href="https://www.amazon.com/">https://www.amazon.com/</a>

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1	Seal Strip 5mmx12mmx10m	\$12.59	Amazon	<a href="https://www.amazon.com">https://www.amazon.com</a>
2	Acrylic Knob for Door	\$1.10	Tap Plastics	<a href="https://www.tapplastics.com">https://www.tapplastics.com</a>
1	TAP Acrylic Cement 4oz	\$7.25	Tap Plastics	<a href="https://www.tapplastics.com">https://www.tapplastics.com</a>
4	Acrylic Sheet 19 7/8 x 18 x 3/32	\$42.52	Tap Plastics	<a href="https://www.tapplastics.com">https://www.tapplastics.com</a>
<b>ADDITIONAL SUPPLIES</b>				
1	More T-slot nuts (pack of 50)	\$9.99	Amazon	<a href="https://www.amazon.com">https://www.amazon.com</a>
2	HATCHBOX PLA 3D Printer Filament 1 kg Spool 1.75 mm Blue	\$39.98	Amazon	<a href="https://www.amazon.com">https://www.amazon.com</a>
1	Bunting Bearings EF060812 Flanged Bearing 3/8" bore, 3/4"L, 11/16" Flange OD (pack of 3)	\$4.64	Amazon	<a href="https://www.amazon.com">https://www.amazon.com</a>
1	Gulfcoast Robotics E3D V6 Clone Hotend 1.75mm All-metal	\$18.99	Amazon	<a href="https://www.amazon.com">https://www.amazon.com</a>
1	Heat Shrink Tube	\$0.00		
1	4-Core Cable	\$0.00		
1	Wire wrap	\$0.00		
1	Solder	\$0.00		
1	Hot glue	\$0.00		
1	Stronger Glue (Hobby cement/super glue)	\$0.00		
1	Tape for insulating low-voltage wires	\$0.00		
1	WD40 for drilling and tapping in aluminum	\$0.00		
1	Light Motor Oil for oiling rods on both old and new printers	\$0.00		
1	Box of 1-1/4" Coarse Drywall Screws	\$0.00		
16	2" Coarse Drywall Screws	\$0.00		
1	SD card and SD card reader	\$0.00		
<b>Grand Total: \$722.97</b>				