



# Project Valkyrie - Stage-0

NB! WORK IN PROGRESS - STAGE 0 Release Candidate

Development Team Members

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3d Printer - Budget		Price exl VAT		\$		1,292		
3d Printer - Premium		Price exl VAT		\$		1,550		
Part Type	Description	BOM Quantity	Pack Price \$	Pack Order Quantity	Line Price \$	Order Parts Link		
T-Slot 2020	Z 2020 Rear Center	1	\$ 7.26	1	\$ 8.00			
T-Slot 2020	X 2020 Rear Top	1	\$ 9.50	1	\$ 9.50			
T-Slot 2040	X 2040	4	\$ 10.54	4	\$ 42.16			
T-Slot 2040	Y 2040	4	\$ 11.12	4	\$ 44.48			
T-Slot 2040	Z 2040	4	\$ 14.70	4	\$ 58.80			
Bracket	2028 L Bracket	42	\$ 5.00	5	\$ 25.00			
Linear Rails	MGN 12h - Z Axis	3	\$ 15.60	3	\$ 46.80			
Linear Rails	MGN 12h - Y Axis	2	\$ 17.50	2	\$ 35.00			
Linear Rails	MGN 9h - X Axis	1	\$ 16.00	1	\$ 16.00			
Frame Bundle	2040 Frame Kit - Budget	1	\$ 265.00		\$ -	<a href="#">Budget Frame + Rail Bundle Kit</a>		
Frame Bundle	2040 Frame Kit - Misumi Premium	1	\$ 523.00	1	\$ 523.00	<a href="#">Premium Frame + Rail Bundle</a>		
Tube	20x20x18 Carbon Tube	1	\$ 20.00	1	\$ 20.00	<a href="#">20X20X18MM 500MM</a>		
Plate	Cast Aluminum 350x350x8mm	1225	\$ 0.08	1225	\$ 98.00	<a href="#">1225 cm^2</a>		
Print Surface	Removal Spring Steel PEI Sheet	1	\$ 50.00	1	\$ 50.00	<a href="#">Size: 330x330mm</a>		
Rod	5x25mm Rod For Tension Forks	5	\$ 1.20	1	\$ 1.20	<a href="#">1x Length: 25mm 8PC</a>		
Rod	5x40mm Rod For AB Idlers	12	\$ 3.00	3	\$ 9.00	<a href="#">3x Length: 40mm 5PC</a>		
Rod	5x50mm Rod For Ball Joint	6	\$ 3.00	2	\$ 6.00	<a href="#">2x Length: 50mm 4PC</a>		
Ball Joint	Precision Ball 10mm M4	3	\$ 3.00	1	\$ 3.00	<a href="#">1x Size: 10pc</a>		
Magnet	Neodmium Magnet	3	\$ 2.50	2	\$ 5.00	<a href="#">2x 30x10x5mm-2pcs</a>		
Bearings	625 ZZ	6	\$ 7.50	1	\$ 7.50	<a href="#">10pcs 625ZZ 5x16x5mm</a>		
Nut	M3 Nut	21	\$ 1.00	1	\$ 1.00	<a href="#">1x Size: M3 50PCS</a>		
Nut	M3 Nut Hammer Nut	34	\$ 3.00	1	\$ 3.00	<a href="#">1x 50PCS Size: 20-m3</a>		
Screw	M3x08 BH	24	\$ 1.00	1	\$ 1.00	<a href="#">1x Size: M3 50PCS - 8mm - 304 SS</a>		
Screw	M3x08 SH	34	\$ 1.00	1	\$ 1.00	<a href="#">1x Size: M3 50PCS - 8mm - 304 SS</a>		
Screw	M3x10 BH	33	\$ 1.00	1	\$ 1.00	<a href="#">1x Size: M3 50PCS - 10mm - 304 SS</a>		
Screw	M3x16 BH	8	\$ 2.00	1	\$ 2.00	<a href="#">1x Size: M3 50PCS - 16mm - 304 SS</a>		
Screw	M4 D5 L55 Shoulder Screw	3	\$ 4.00	3	\$ 12.00	<a href="#">3x Size: M4-D5mm</a>		
Nut	M4 Nut	6	\$ 1.50	1	\$ 1.50	<a href="#">Size: M4 50PCS</a>		
Nut	M4 Nut Lock Nut	3	\$ 1.50	1	\$ 1.50	<a href="#">Size: M4 50PCS - Color SS</a>		
Washer	M4 WASHER	3	\$ 1.00	1	\$ 1.00	<a href="#">1x M4 50pcs</a>		
Screw	M4x16 CS	3	\$ 2.00	1	\$ 2.00	<a href="#">1x Size: M4 20PCS - 16mm - 304 SS</a>		
Screw	M4x20 CS	3	\$ 2.00	1	\$ 2.00	<a href="#">1x Size: M4 20PCS - 20mm - 304 SS</a>		
Nut	M5 Nut	4	\$ 2.00	1	\$ 2.00	<a href="#">1x Size: M5 50PCS</a>		
Nut	M5 Nut Hammer Nut	30	\$ 11.00	1	\$ 11.00	<a href="#">1x M5 100 PCS</a>		
Nut	M5 Nut Locknut	5	\$ 2.81	1	\$ 2.81	<a href="#">1x M5 50 PCS - SS</a>		
Nut	M5 Nut T-Nut	84	\$ 13.50	1	\$ 13.50	<a href="#">1x M5 100PCS</a>		
Washer	M5 WASHER	89	\$ 1.28	2	\$ 2.56	<a href="#">2x M5 50PCS</a>		
Screw	M5x10 BH	111	\$ 2.69	12	\$ 32.28	<a href="#">12x 10PCS Size: M5 - 10mm - SS</a>		
Screw	M5x20 BH	7	\$ 8.00	1	\$ 8.00	<a href="#">1x 10PCS Size: M5 - 20mm - SS</a>		
Bolt	M5x30 HEX	5	\$ 2.57	1	\$ 2.57	<a href="#">1x 10 PCS Size: M5 - 30mm</a>		
Shim	M5x6.5x1 Precision Shim	33	\$ 16.00	1	\$ 16.00	<a href="#">1x 200PCS Size: 6.5x5x1mm</a>		
Washer	M3 WASHER		\$ 0.74	1	\$ 0.74	<a href="#">1x: M3 50pcs</a>		
Controller Board	Big Dipper D3 Mini	1	\$ 71.00	1	\$ 71.00	<a href="#">1x Big Dipper</a>		
PSU	Power Supply Unit	1	\$ 23.00	1	\$ 23.00	<a href="#">24V10A 240W</a>		
Switch	Power Switch	1	\$ 7.50	1	\$ 7.50	<a href="#">1x Power switch</a>		
Heater	Keenovo 750W Silicone Heating Pad	1	\$ 78.39	1	\$ 78.39	<a href="#">1x Select Color: 220V/110V</a>		
Switch	Solid State Relay	3	\$ 26.00	3	\$ 78.00	<a href="#">Genuine Omron Solid State Relay</a>		
Probe	Z Probe - BI Touch Type	1	\$ 20.00	1	\$ 20.00	<a href="#">3D Touch</a>		
Accelerometer	LIS3DSH Accelerometer	1	\$ 2.00	1	\$ 2.00	<a href="#">1x LIS3DSH Accelerometer</a>		
Fuse	Thermal Fuse for Silicone Heating Pad	1	\$ 3.00	1	\$ 3.00	<a href="#">250V 15A 135 deg Fuse</a>		
Hotend	Dragon AC Hotend	1	\$ 73.50	1	\$ 73.50	<a href="#">Color: Dragon-Standard flow</a>		
Extruder	Bontech LGX Lite	1	\$ 70.00	1	\$ 70.00	<a href="#">LGX® Lite + LDO NEMA 14</a>		
Belt	Timing Belt 2GT 9mm 135C	8	\$ 59.00	1	\$ 59.00	<a href="#">1x 8M Heat Resistant - 9mm</a>		
Idler	Idlers Smooth 11mm	10	\$ 4.10	10	\$ 41.00	<a href="#">10x W 11mm without t</a>		
Idler	Idlers Toothed 11mm	5	\$ 6.00	5	\$ 30.00	<a href="#">5x W 11mm with t</a>		
Pulley	Pulley 11mm 2GT	5	\$ 4.00	5	\$ 20.00	<a href="#">5x For 9mm</a>		
Gear	2GT 20T-80T 4:1 Belt Gear	3	\$ 16.00	3	\$ 48.00	<a href="#">3x 20T(5mm)-80T(5mm)-200mm</a>		
Stepper motor	42mm NEMA 17 1.7A	5	\$ 14.50	5	\$ 72.50	<a href="#">1x 5Pcs 40mm 45N-cm 2A</a>		
Bed Insulation	3D Printer Heat insulation	1	\$ 10.00	1	\$ 10.00	<a href="#">Size: 350x350mm</a>		
Budget A Bundle Price		Price exl VAT		\$		1,292		
Premium Budle Price		Price exl VAT		\$		1,550		