



Project Valkyrie - Stage-0-BOM

Development Team Members

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Valkyrie		3d Printer	Price exl VAT		\$ 1,535						
System	Category	Part Type	Description	Cut Length mm	BOM Quantity	Pack Price \$	Pack Order Quantity	Line Price \$	Order Parts Link	Supplier	
Frame	Hardware	T-Slot 2020	Z 2020 Rear Center	339	1	\$ 8.62	1	\$ 8.00	Color: 339 mm	VenstPow	
Frame	Hardware	T-Slot 2020	X 2020 Rear Top	420	1	\$ 9.50	1	\$ 9.50	Color: 420 mm	VenstPow	
Frame	Hardware	T-Slot 2040	X 2040	420	4	\$ 10.54	4	\$ 42.16	Color: 420 mm	VenstPow	
Frame	Hardware	T-Slot 2040	Y 2040	480	4	\$ 11.12	4	\$ 44.48	Color: 480 mm	VenstPow	
Frame	Hardware	T-Slot 2040	Z 2040	750	4	\$ 14.70	4	\$ 58.80	Color: 750 mm	VenstPow	
Frame	Hardware	Bracket	2028 L Bracket		42	\$ 5.00	5	\$ 25.00	5x Color: 10pcs 2028	VenstPow	
Frame	Hardware	Bracket	Corner Plate 90deg		4	\$ 10.00	4	\$ 40.00	1x 5pcs 2020 5 holes	VenstPow	
Kinematic	Motionparts	Linear Rails	MGN 12h-Z Axis. Light PL	350	3	\$ 40.00	3	\$ 120.00	3xMGN 12H/350mm. Light PL	CNA MS	
Kinematic	Motionparts	Linear Rails	MGN 12h-Y Axis. Medium PL	400	2	\$ 36.00	2	\$ 72.00	2xMGN12H/400mm. Medium PL	CNA MS	
Kinematic	Motionparts	Linear Rails	MGN 9h-Z Axis. Medium PL	400	1	\$ 34.00	1	\$ 34.00	1xMGN9H/400mm. Medium PL	CNA MS	
Frame	Hardware	Frame Bundle	Frame Parts price exclusive Hardware					\$454			
Frame	Hardware	Frame Bundle	Pick one of the kits below or order from above							Partners	
Frame	Hardware	Frame Bundle	Misumi Frame & Rails & Hardware					1 \$ 720.00	\$ -	Complete Premium Kit	MakerSupplies
Frame	Hardware	Frame Bundle	V-Slot Frame & Rails & Hardware					1 \$ 577.00	\$ -	Complete V-Slot Kit	MakerSupplies
Frame	Hardware	Tube	20x20x18 Aluminum X-Axis Tube	410	1	\$ 8.00	1	\$ 8.00	1x 20X20X1.5mm 500mm	TRPNZ	
Bed	Hardware	Plate	Cast Aluminum 350x350x8mm	350	1225	\$ 0.08	1225	\$ 104.00	1225 cm^2	MakerSupplies	
Bed	Hardware	Print Surface	Removal Spring Steel PEI Sheet	330	1	\$ 46.00	1	\$ 46.00	1x Size: (130C)330x330mm	Energetic	
Bed	Hardware	Rod	5x50mm Rod For Ball Joint		6	\$ 3.00	2	\$ 6.00	2x Length: 50mm 4PC	WanFang	
Bed	Hardware	Ball Joint	Precision Ball 10mm M4		3	\$ 3.00	1	\$ 3.00	1x Size: 10pc	KingRoom	
AC/DC	Electronics	Controller Board	Duet 3 6HC		1	\$ 145.00	1	\$ 145.00	1x Duet 3 6HC	Fysetc	
AC/DC	Electronics	PSU	Power Supply Unit		1	\$ 23.00	1	\$ 23.00	24V10A 240W	Vusum	
AC/DC	Electronics	Switch	Power Switch		1	\$ 7.50	1	\$ 7.50	1x Power switch	TriangleLab	
AC/DC	Electronics	Heater	Keenovo 750W Silicone Heater	300	1	\$ 78.39	1	\$ 78.39	1x Color: 220V/110V	Keenovo	
AC/DC	Electronics	Switch	Solid State Relay		1	\$ 26.00	1	\$ 26.00	Omron Solid State Relay	Mellow	
AC/DC	Electronics	Fuse	Thermal Fuse for AC Heater		1	\$ 3.00	1	\$ 3.00	1x Temperature: 150/180 degree	Weidly	
ToolHead	Electronics	Accelerometer	LIS3DSH Accelerometer		1	\$ 2.00	1	\$ 2.00	1x LIS3DSH Accelerometer	RQG	
ToolHead	Extruder	Hotend	NF-Smart_Dg V2.0		1	\$ 40.00	1	\$ 40.00	1x Color: Set 2/3/5/6	Mellow	
ToolHead	Extruder	Thermistor	PT1000 Thermistor Up to 450C		1	\$ 13.50	1	\$ 13.50	1x PT1000 Thermistor Cartridge	TriangleLab	
ToolHead	Extruder	Extruder	BQ H2 V2S Lite		1	\$ 65.00	1	\$ 65.00	H2 V2S LITE w/nema14	BTT	
ToolHead	Extruder	Tube	PTFE Teflon Tube		1	\$ 3.75	1	\$ 3.75	1x Size: 1M ID 2MM OD 3MM	Mellow	
Kinematic	Hardware	Rod	5x25mm Rod For Tension Forks		5	\$ 1.20	1	\$ 1.20	1x Length: 25mm 8PC	WanFang	
Kinematic	Hardware	Rod	5x40mm Rod For AB Idlers		12	\$ 3.00	3	\$ 9.00	3x Length: 40mm 5PC	WanFang	
Kinematic	Motionparts	Belt	Timing Belt 2GT 9mm 135C		8	\$ 59.00	1	\$ 59.00	1x 8M Heat Resistant - 9mm	TriangleLab	
Kinematic	Motionparts	Idler	Idlers Smooth 11mm		10	\$ 4.10	10	\$ 41.00	10x W 11mm without t	Mellow	
Kinematic	Motionparts	Idler	Idlers Toothed 11mm		5	\$ 6.00	5	\$ 30.00	5x W 11mm with t	Mellow	
Kinematic	Motionparts	Pulley	Pulley 11mm 2GT		5	\$ 4.00	5	\$ 20.00	5x For 9mm	Mellow	
Kinematic	Motionparts	Gear	2GT 20T-80T 4:1 Belt Gear	200	3	\$ 16.00	3	\$ 48.00	3x 20T(5mm)-80T(5mm)-200mm	Powge	
Kinematic	Motionparts	Steppermotor	42mm NEMA 17 1.7A		5	\$ 14.50	5	\$ 72.50	1x 5Pcs 40mm 45N-cm 2A	StepperOnline	
	Fasteners	Various	See Fastener sheet				1	\$226			
Valkyrie		Bundle Price	Price exl VAT		\$ 1,535						