


Valkyrie	3d Printer	Price exl VAT						\$ 1,925			
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	Development Team Members Mark Bridgewater - NZ Chris Lombardi - US Roy Berntsen - NO
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		40	\$ 5.00	4	\$ 20.00	4x Color: 10pcs 2028	VenstPow	Support Links: Buy Me a Coffee By Patreon By PayPal
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					\$449			
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	valkyrie
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	TRPZNZ	
Frame	Hardware	Tube	15x15x13 Aluminum Tube	230	2	\$ 7.00	2	\$ 14.00	2x15X15X1mm 500mm	TRPZNZ	
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	stage - I
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	<div><div>devteam</div><div>valkyrie</div><div>project</div><div>partners</div><div></div><div>3d printer</div><div>enclosure</div><div>teardown</div><div>review</div><div>kit</div></div>
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		2	\$ 26.00	2	\$ 52.00	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	Dragon Hotend HF		1	\$ 82.00	1	\$ 82.00	1x Dragon HF	Dilan	BOM
ToolHead	Extruder	Thermistor	PT1000 Thermistor Up to 450C		1	\$ 13.50	1	\$ 13.50	1x PT1000 Thermistor Cartridge	TriangleLab	
ToolHead	Extruder	Extruder	BIQU H2 V2X		1	\$ 45.00	1	\$ 45.00	BIQU H2 V2X	BTt	
ToolHead	Extruder	Tube	PTFE Teflon Tube		1	\$ 3.75	1	\$ 3.75	1x Size: 1M ID 2MM OD 3MM	Mellow	
ToolHead	Extruder	Tube	PTFE Teflon Tube		2	\$ 10.00	1	\$ 10.00	1x Size: 2M ID 4MM OD 6MM	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	
Enclosure	Insulation	Insulation	PIR - Polyisocyanurate		5	\$ 12.00	5	\$ 60.00	TBD	Source Locally	
Enclosure	Panel	Panels	Aluminum Composite Material		5	\$ 25.00	5	\$ 125.00	TBD	Source Locally	
Enclosure	Panel	Window Front	Polycarbonate Sheet	300	2	\$ 25.00	2	\$ 50.00	Specification: 350x350x3mm	BEAO	
Enclosure	Electronics	Cable	High Temperature PTFE Cable		5	\$ 3.23	5	\$ 16.15	5x Length: 5 Meters	Antfox Store	
Drybox	Electronics	Sensor	5KG Load Cell and HX711 ADC		1	\$ 3.00	1	\$ 3.00	Color: 5KG With HX711	Estartdyn	
Enclosure	Electronics	Fan	60mm Sunon MF60202V3		2	\$ 12.00	2	\$ 24.00	1x Sunon MF60202V3	SENSDA	
Drybox	Electronics	Heater	PTC Heater 12x7cm 260C		1	\$ 12.00	1	\$ 12.00	PTC Heater with Cord (US or EU)	YEKMLCO	
Drybox	Electronics	Fuse	Thermal Fuse 95C		1	\$ 3.96	1	\$ 3.96	1x 15A - 95C	TS	
Drybox	electronics	PCB assy	HX711 + 5kg Load cell		1	\$ 3.72	1	\$ 3.72	1x5kg loadcell + HX711	EQV Store	
Drybox	electronics	Controller Board	ESP32 WiFi Board		1	\$ 4.00	1	\$ 4.00	1xESP-32 30Pin	EQV Store	
Drybox	electronics	Controller Board	ESP32 DEV BOARD		1	\$ 3.00	1	\$ 3.00	1xESP32-V1 SHIELD 30P	EQV Store	
Drybox	electronics	Sensor	DHT22 Humidity + Temp Sensor		1	\$ 3.00	1	\$ 3.00	1xDHT22 Sensor	YX EC	
Drybox	Drying Agent	Desiccant	Calsium Chloride		1	\$ 15.00	1	\$ 15.00	Source Locally	Locally	
	Fasteners	Various	See Fastener sheet				1	\$226			
Valkyrie		Bundle Price	Price exl VAT					\$ 1,925			