

Valkyrie	3d Printer	Price exl VAT		#REF!						
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	<a href="#">Color: 339 mm</a>	VenstPow
Frame	Hardware	T-Slot 2020	X 2020 Rear Top	420	1	\$ 9.50	1	\$ 9.50	<a href="#">Color: 420 mm</a>	VenstPow
Frame	Hardware	T-Slot 2040	X 2040	420	4	\$ 10.54	4	\$ 42.16	<a href="#">Color: 420 mm</a>	VenstPow
Frame	Hardware	T-Slot 2040	Y 2040	480	4	\$ 11.12	4	\$ 44.48	<a href="#">Color: 480 mm</a>	VenstPow
Frame	Hardware	T-Slot 2040	Z 2040	750	4	\$ 14.70	4	\$ 58.80	<a href="#">Color: 750 mm</a>	VenstPow
Frame	Hardware	Bracket	2028 L Bracket		40	\$ 5.00	4	\$ 20.00	<a href="#">4x Color: 10pcs 2028</a>	VenstPow
Frame	Hardware	Bracket	Corner Plate 90deg		4	\$ 10.00	4	\$ 40.00	<a href="#">1x 5pcs 2020 5 holes</a>	VenstPow
Kinematic	Motionparts	Linear Rails	MGN 12h-Z Axis. <b>NB! See note</b>	350	3	\$ 18.50	3	\$ 55.50	<a href="#">3xMGN 12H/350mm Medium PL</a>	CNA MS
Kinematic	Motionparts	Linear Rails	MGN 12h-Y Axis. <b>NB! See note</b>	400	2	\$ 19.50	2	\$ 39.00	<a href="#">2xMGN12H/400mm Medium PL</a>	CNA MS
Kinematic	Motionparts	Linear Rails	MGN 9h-Z Axis. <b>NB! See note</b>	400	1	\$ 17.50	1	\$ 17.50	<a href="#">1xMGN9H/400mm Medium PL</a>	CNA MS
Frame	Hardware	Frame Bundle	Frame Parts price exclusive Hardware					#REF!		
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		\$ -	<a href="#">Complete Premium Kit</a>	MakerSupplies
Frame	Hardware	Frame Bundle	V-Slot Frame & Rails & Hardware		1	\$ 577.00		\$ -	<a href="#">Complete V-Slot Kit</a>	MakerSupplies
Frame	Hardware	Tube	20x20x18 Carbon X-Axis Tube	410	1	\$ 20.00	1	\$ 20.00	<a href="#">1x 20X20X18MM 500MM</a>	YTWS
Frame	Hardware	Tube	15x15x13 Carbon Tube	230	4	\$ 17.50	2	\$ 35.00	<a href="#">2x15X15X13MM 500MM</a>	YTWS
Bed	Hardware	Plate	Cast Aluminum 350x350x8mm	350	1225	\$ 0.08	1225	\$ 104.00	<a href="#">1225 cm^2</a>	MakerSupplies
Bed	Hardware	Print Surface	Removal Spring Steel PEI Sheet	330	1	\$ 46.00	1	\$ 46.00	<a href="#">1x Size: (130C)330x330mm</a>	Energetic
Bed	Hardware	Rod	5x50mm Rod For Ball Joint		6	\$ 3.00	2	\$ 6.00	<a href="#">2x Length: 50mm 4PC</a>	WanFang
Bed	Hardware	Ball Joint	Precision Ball 10mm M4		3	\$ 3.00	1	\$ 3.00	<a href="#">1x Size: 10pc</a>	KingRoom
AC/DC	Electronics	Controller Board	Duet 3 6HC		1	\$ 145.00	1	\$ 145.00	<a href="#">1x Duet 3 6HC</a>	Fysetc
AC/DC	Electronics	PSU	Power Supply Unit		1	\$ 23.00	1	\$ 23.00	<a href="#">24V10A 240W</a>	Vusum
AC/DC	Electronics	Switch	Power Switch		1	\$ 7.50	1	\$ 7.50	<a href="#">1x Power switch</a>	TriangleLab
AC/DC	Electronics	Heater	Keenovo 750W Silicone Heater	300	1	\$ 78.39	1	\$ 78.39	<a href="#">1x Color: 220V/110V</a>	Keenovo
AC/DC	Electronics	Switch	Solid State Relay		2	\$ 26.00	2	\$ 52.00	<a href="#">Omron Solid State Relay</a>	Mellow
AC/DC	Electronics	Fuse	Thermal Fuse for AC Heater		1	\$ 3.00	1	\$ 3.00	<a href="#">1x Temperature: 150/180 degree</a>	Weidly
ToolHead	Electronics	Accelerometer	LIS3DSH Accelerometer		1	\$ 2.00	1	\$ 2.00	<a href="#">1x LIS3DSH Accelerometer</a>	RQG
ToolHead	Extruder	Hotend	NF-Smart_Dg V2.0		1	\$ 40.00	1	\$ 40.00	<a href="#">1x Color: Set 2/3/5/6</a>	Mellow
ToolHead	Extruder	Thermistor	PT1000 Thermistor Up to 450C		1	\$ 13.50	1	\$ 13.50	<a href="#">1x PT1000 Thermistor Cartridge</a>	TriangleLab
ToolHead	Extruder	Extruder	BQ H2 V2S Lite		1	\$ 65.00	1	\$ 65.00	<a href="#">H2 V2S LITE w/nema14</a>	BTT
ToolHead	Extruder	Tube	PTFE Teflon Tube		1	\$ 3.75	1	\$ 3.75	<a href="#">1x Size: 1M ID 2MM OD 3MM</a>	Mellow
ToolHead	Extruder	Tube	PTFE Teflon Tube		2	\$ 10.00	1	\$ 10.00	<a href="#">1x Size: 2M ID 4MM OD 6MM</a>	Mellow
Kinematic	Hardware	Rod	5x25mm Rod For Tension Forks		5	\$ 1.20	1	\$ 1.20	<a href="#">1x Length: 25mm 8PC</a>	WanFang
Kinematic	Hardware	Rod	5x40mm Rod For AB Idlers		12	\$ 3.00	3	\$ 9.00	<a href="#">3x Length: 40mm 5PC</a>	WanFang
Kinematic	Motionparts	Belt	Timing Belt 2GT 9mm 135C		8	\$ 59.00	1	\$ 59.00	<a href="#">1x 8M Heat Resistant - 9mm</a>	TriangleLab
Kinematic	Motionparts	Idler	Idlers Smooth 11mm		10	\$ 4.10	10	\$ 41.00	<a href="#">10x W 11mm without t</a>	Mellow
Kinematic	Motionparts	Idler	Idlers Toothed 11mm		5	\$ 6.00	5	\$ 30.00	<a href="#">5x W 11mm with t</a>	Mellow
Kinematic	Motionparts	Pulley	Pulley 11mm 2GT		5	\$ 4.00	5	\$ 20.00	<a href="#">5x For 9mm</a>	Mellow
Kinematic	Motionparts	Gear	2GT 20T-80T 4:1 Belt Gear	200	3	\$ 16.00	3	\$ 48.00	<a href="#">3x 20T(5mm)-80T(5mm)-200mm</a>	Powge
Kinematic	Motionparts	Steppermotor	42mm NEMA 17 1.7A		5	\$ 14.50	5	\$ 72.50	<a href="#">1x 5Pcs 40mm 45N-cm 2A</a>	StepperOnline
Enclosure	Insulation	Insulation	PIR - Polyisocyanurate		5	\$ 12.00	5	\$ 60.00	<a href="#">TBD</a>	Source Locally
Enclosure	Panel	Panels	Aluminum Composite Material		5	\$ 25.00	5	\$ 125.00	<a href="#">TBD</a>	Source Locally
Enclosure	Panel	Window Front	Polycarbonate Sheet	300	2	\$ 25.00	2	\$ 50.00	<a href="#">Specification: 350x350x3mm</a>	BEAO
Enclosure	Electronics	Cable	High Temperature PTFE Cable		5	\$ 3.23	5	\$ 16.15	<a href="#">5x Length: 5 Meters</a>	Antfox Store
Drybox	Electronics	Sensor	5KG Load Cell and HX711 ADC		1	\$ 3.00	1	\$ 3.00	<a href="#">Color: 5KG With HX711</a>	Estartdyn
Enclosure	Electronics	Fan	60mm Sunon MF60202V3		2	\$ 12.00	2	\$ 24.00	<a href="#">1x Sunon MF60202V3</a>	SENSDA
Drybox	Electronics	Heater	PTC Heater 12x7cm 260C		1	\$ 12.00	1	\$ 12.00	<a href="#">PTC Heater with Cord (US or EU)</a>	YEKMLCO
Drybox	Electronics	Fuse	Thermal Fuse 95C		1	\$ 3.96	1	\$ 3.96	<a href="#">1x 15A - 95C</a>	TS
Drybox	electronics	PCB assy	HX711 + 5kg Load cell		1	\$ 3.72	1	\$ 3.72	<a href="#">1x5kg loadcell + HX711</a>	EQV Store
Drybox	electronics	Controller Board	ESP32 WiFi Board		1	\$ 4.00	1	\$ 4.00	<a href="#">1xESP-32 30Pin</a>	EQV Store
Drybox	electronics	Controller Board	ESP32 DEV BOARD		1	\$ 3.00	1	\$ 3.00	<a href="#">1xESP32-V1 SHIELD 30P</a>	EQV Store
Drybox	electronics	Sensor	DHT22 Humidity + Temp Sensor		1	\$ 3.00	1	\$ 3.00	<a href="#">1xDHT22 Sensor</a>	YX EC
Drybox	Drying Agent	Desiccant	Calsium Chloride		1	\$ 15.00	1	\$ 15.00	<a href="#">Source Locally</a>	Locally
	Fasteners	Various	See Fastener sheet				1	\$226		
Valkyrie		Bundle Price	Price exl VAT					#REF!		

Development Team Members

Mark Bridgewater - NZ

Chris Lombardi - US

Roy Berntsen - NO

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