

## CERBERUS PUP 170 PRINTED PARTS BOM

CHK	QTY	FILE NAME	DESCRIPTION
	3	Lower Outer Bracket.stl	
	3	Upper Outer Bracket.stl	
	3	Vertical Carriage Bearing Bracket.stl	
	3	Base Standoff.stl	
	1	Effector End Platform.stl	
	1	Extruder Lever Arm.stl	
	1	Extruder Motor Base.stl	
	2	VIKI Hanging Clip.stl	Optional - Bolts onto VIKI
	2	VIKI Hanging Base.stl	Optional - Bolts onto printer

## CERBERUS PUP 170 MISC PARTS BOM

CHK	QTY	PART NAME	DESCRIPTION
	3	Aluminum Carriage.dxf	Vertical Carriage
	1	Aluminum Base Plate.dxf	Triangular plate with holes for mounting controller
	1	Aluminum Bottom Fan Bar.dxf	Bottom bar with holes for cooling fan
	1	Aluminum Bottom Button Bar.dxf	Bottom bar with hole for power button
	1	Aluminum Bottom Extruder Bar.dxf	Bottom bar with holes for extruder motor
	3	Aluminum Top Bar.dxf	Top cross bars
	1	Aluminum Probe Hinge Bracket - Hotend.dxf	Slotted bracket for holding hotend
	1	Aluminum Push-fit Bracket - Hotend.dxf	Threaded plate for push-fit connector
	3	Misumi 1515 Aluminum Extrusion	Vertical bar for carriage slide
	1	170mm Borosilicate Disc	Printing surface
	6	C.F. Effector Rod	Carbon fiber arms
	12	3/8" machined ball	Bonded to C.F effector rods
	12	3/8 x 3/8 Cylindrical Neodymium Magnet	
	3	1 meter GT2 Timing Belt	
	3	20-tooth GT2 Pulley	Belt drive pulleys
	6	Pulley Grub Screw	Fastens pulley onto stepper motor
	4	3mm ID round nylon spacers	Standoff spacers for mounting the controller board
	9	Grabercars Dual 623 V rollers	
	6	623ZZ bearings	Two each side by side as upper idler pulley
	3	P-clips – 1/4"	Wire management clips
	1	1.8mm ID Teflon Tubing	Bowden tube
	2	Pneumatic Push-fit Insert	Bowden tube anchors
	1	0.080" Steel Rod x 50mm	Bed level probe hinge

## CERBERUS PUP 170 ELECTRONIC PARTS BOM

CHK	QTY	PART NAME	DESCRIPTION
	1	Panucatt Azteeg X1 Control Board	
	4	Panucatt SureStepr SD8825 Stepper Driver	1/32 <sup>nd</sup> microstepping driver
	1	Panucatt MC170 Hex Heated Bed	Optional heated platform
	1	Panucatt VIKI LCD Control Panel	Optional LCD control panel
	1	203W Xbox 360 Power Supply	Printer power supply
	1	Xbox 360 to Xbox Slim Adaptor	
	1	1.75mm Hotend	Hotend, heater resistor, and thermistor
	4	NEMA 17 Stepper Motor	
	4	Micro Knife Switch	Printer endstop and bed leveling probe
	1	40mm Fan	Electronics Cooling
	1	20mm Fan	Hotend Cooling

## CERBERUS PUP 170 FASTENERS BOM

CHK	QTY	PART	USE/DESCRIPTION
	2	M5x16	
	22	M5x12	
	24	M5 Washer	
	3	M4x14	
	1	M3x30	
	18	M3x25	
	8	M3x16	
	47	M3x12	
	4	M3x8	
	73	M3 Washer	
	30	M3 Nut	
	15	M3 Nyloc	
	2	M2x12	
	6	M2x10	
	6	M2 Washer	
	2	M2 Nut	