Parts list Voron Trident 5-axis

Base

Aluminium Extrusion 2020	***Lenght 410mm***	**2**
Aluminium Extrusion 2020	***Lenght 180mm***	**2**
90 Degree corners	***For Aluminium profile 2020***	**12**
Screw	***M5 x 10mm***	**24**
Screw	***M5 x 20mm***	**12**
T nuts	***M5***	**36**
Heat insert	***M3 x 5mm***	**2**
Screw SHCS	***M3 x 8mm***	**6**
High precision Bearing	***608ZZ***	**4**
Spacer M8 x 1mm		**2**
Spacer M3 x 0.7 mm		**4**
Shaft 8mm Left	***lenght 57 mm***	**1**
Shaft 8mm Right	***lenght 79 mm***	**1**
Nema 17 stepper motor	***48mm 0.9deg, optimal 2.0Amp***	**1**
optical switch sensor for 3D printer		**1**
Closed loop GT2 belt 6mm	***lenght 302 or 303 mm***	**1**
Pulley GT2	***80 tooth 8mm bore***	**1**
Pulley GT2	***16 tooth 5mm bore***	**1**

https://www.amazon.com/MakerHawk-Optical-Endstop-Photoelectric-Control/dp/B07PMW2QMT/ref=sr_1_1?keywords=Optical+Endstop&qid=1700156544&sr=8-1

Table

Heat insert	***M3 x 5mm***	**40**
Heat insert	***M3 x 7mm***	**6**

Screw SHCS	***M3 x 8mm***	**52**
Screw SHCS	***M3 x 10mm***	**20**
Screw SHCS	***M3 x 12mm***	**1**
Screw SHCS	***M3 x 20mm***	**6**
Screw FHCS	***M3 x 22mm***	**6**
Spacer M3 x 0.7 mm		**7**
NEMA_17_20mm 1.8deg		**1**
Pulley GT2	***20 tooth 5mm bore***	**1**
Slip Ring	***Dia 22mm 4CH 10A***	**1**
IGUS ring	***PRT_04_30 Diameter 90mm***	**1**
High precision Bearing	***608ZZ***	**2**
Closed loop GT2 belt 6mm	***lenght 330mm***	**1**
Pololu Hub 8mm	***The six M3 holes needs to be drilled with 3.2mm drill***	**2**
Round Heated bed round for kossel 220mm 24V		**1**
Round Magnetic sheet 220mm		**1**
Round PEI sheet 220mm	***for kossel***	**1**
Bed spring	***ID 3mm OD 6mm Lenght 15mm***	**6**

https://www.amazon.com/s?k=slip+ring+4+wire&crid=2COT7GQJ0ZHZ7&sprefix=slip+ring+4+wire%2Caps%2C217&ref=nb_sb_noss_1

https://www.igus.ch/product/iglidur_PRT_04?artnr=PRT-04-30

Z - axis Hotend with Extruder

Heat insert	***M3 x 5mm***	**20**
Heat insert	***M2 x 4mm***	**13**
Screw SHCS	***M2 x 6mm***	**17**

Screw SHCS	***M3 x 8mm***	**12**	
Screw SHCS	***M3 x 10mm***	**4**	
Screw SHCS	***M3 x 14mm***	**8**	
Screw SHCS	***M3 x 16mm***	**3**	
Screw FHCS	***M3 x 22mm***	**2**	
Screw FHCS stainless steel !!!	***M3 x 6mm***	**10**	
Spacer M5 x 1mm		**1**	
Spacer M2 x 0.5 mm wide		**4**	
neodymium magnets	***6 x 3 mm***	**4**	
Self taping Screw	***M2 size for micro switch***	**2**	
MGN7 - H Linear Rail	***Lenght 200mm***	**1**	
NEMA_17_20mm 1.8deg		**1**	
Small Shaft 5mm	***Lenght 44mm***	**1**	
Shaft Collar 5mm		**1**	
High precision Bearing	***625 ZZ***	**2**	
Pulley GT2	***20 tooth 5mm bore***	**2**	
GT2 belt 6mm	***Lenght 500mm***	**1**	
Micro switch for 3d printer		**1**	
Nonplanar nozzle	***0.4mm***	**1**	
24V Ceramic Heating Core	***CHC***	**1**	https://imprimante-3d-service.com/gb/553-trianglelab-chc-v6-24v-115w-ceramic-heater.html
Heat Break For 1.75mm Filament M6	***for V6 Hotend***	**1**	
HeatSink Extruder Radiator 3D Printer	***for V6 Hotend M6 bottom, top 1/8 or M10mm thread***	**1**	
DM1 OMG V2S Extruder	***with M6 to M10 adapter and stepper motor***	**1**	https://www.omgextrd.com/product-page/omgextrd-omg-dm1-extruder-upgrade https://store.dremc.com.au/products/omg-v2s-all-metal-direct-extruder-dual-drive-dm1-a-dm1-b
PTFE Tube OD 4mm ID 2.5mm	***1.0 M then cut it tio required lenght***	**1**	

24V Fan 30x30x10mm		**1**
Zip ties		**100**

Controls

Duet 6HC board		**1**
Power supply output 24V	***350W min.***	**1**
Rj-45 cable, 0.5m	***male to female***	**1**
Optional	***Raspberry Pi4***	**1**