

ASSEMBLY LEVEL

Sort Order	1	2	3	4	5	Description	Quantity	UOM	Product Category	Supplier	Material Category	Comments
0	1					THE BELOW ASSEMBLY EXCLUDES SOUS VIDE, PATERSON TANK. CHEMICAL BOTTLES CAN BE PURCHASED FROM ETONE ONLINE AND FIT NICELY				I BOUGHT MOST OF THE PARTS ONLINE. LINKS ARE BELOW.		
1	1					FULL ASSEMBLY						
2		2				ROD,ALUM (SAME ROD STOCK AS BOUGHT BELOW)	1	EA	PURCHASED	VERNUOS 10 Pieces 1/4" Aluminum 6061 T6511 Round Rod Solid Extruded Rod 12" Long & .25" Diameter	HARDWARE	CUT TO LENGTH. YOU WILL HAVE EXTRA RODS
3		2				TUB, ONE LEVEL	1	EA	PRINTED		PETG	
4		2				HEAD ASSY, STACKED	1	UNIT	ASSY			
5			3			FACE, CONTROL ASSY	1	EA	PRINTED		PETG	
6				4		MOTOR	1	EA	PURCHASED	iMetrX Nema 17 Stepper Motor 42-40 (1Pcs/Pack) 1.5A-3.8V 2 Phase 4 Wires 1.8 Degrees with 39.3 inch Cable for Creality CR-10 10S Ender 3 3D Printer/CNC extruder and Y-axis	ELECTRONIC	
7				4		FAN	1	EA	PURCHASED	ANVISION 2-Pack 40mm x 10mm DC 12V Brushless Cooling Fan, Dual Ball Bearing, YDM4010B12	ELECTRONIC	YOU WILL HAVE AN EXTRA FAN IF BOUGHT FROM THIS SOURCE
8				4		FASTENERS	8	EA	PURCHASED	https://www.amazon.com/dp/B0B518FSWZ?ref_=ppx_hzsearch_conn_dt_b_fed_asin_title_4&th=1	3MM X 20MM CAPHEAD	YOU WILL HAVE EXTRAFASTENERS IF BOUGHT FROM THIS SOURCE
9				4		CONTROLLER	1	EA	PURCHASED	TKXEC DC 5-30V 4A Stepper Motor Driver Controller Integrated Board Forward/Reverse Pulse Speed Angle Control Module PLC Serial Communication for NEMA 17 23 Motor	ELECTRONIC	
10			3			HEAD ASSY,VENTED ROTATING	1	EA	ASSY			
11				4		HEAD, VENTED	1	EA	PRINTED		PETG	
12				4		CONNECTOR, POWER	1	EA	PURCHASED	SDTC Tech 3 Sets 5.5 x 2.5 MM 10A DC Power Jack Socket Threaded Female Mount Connector Adapter & 12V Male DC Power Pigtail Cable with Dustproof Plug	ELECTRONIC	YOU WILL HAVE EXTRA CONNECTORS IF BOUGHT FROM THIS SOURCE
13			3			WHEEL ASSY,DRIVE W/SHAFT/CONNECTOR	1	EA	ASSY			
14				4		WHEEL, DRIVE	1	EA	PRINTED		PETG	
15				4		WHEEL,TIRE	1	EA	PURCHASED	45-69-0030 Band Saw Tire FOR Mil BandSaw Compact Pulley Tires 2629-20 6242-6 2429-20 (4.0" Diameter Tires)- 2 Pack		NO PIX
16				4		CONNECTOR,SHAFT TO WHEEL	1	EA	PURCHASED	AMAZON, HORDION 10PCS 5MM TO 5MM BRASS SHAFT COUPLING JOINT CONNECTOR, SHAFT COUPLER MOTOR ACCESSORIES WITH SCREWS	BRASS	YOU WILL HAVE EXTRA IF YOU BUY FROM THIS SOURCE. COMES WITH SET SCREWS (NOT USED)
17				4		FASTENER	1	EA	PURCHASED	SAME AS ABOVE THERE ARE MORE THAN PLENTY OF FASTENERS IN THIS KIT.	3MM X 20MM CAPHEAD	USED ABOVE
18		2				PATERSON RING	1	EA	PRINTED		TPU	RING SLIDES ON TO PATERSON TANK
19		2				ROD,ASSY	2	UNIT	ASSY			
20			3			ROD,ALUM	1	EA	PURCHASED/MODIFIED	VERNUOS 10 Pieces 1/4" Aluminum 6061 T6511 Round Rod Solid Extruded Rod 12" Long & .25" Diameter	HARDWARE	1/4"DIA X 200MM SAME AS USED ABOVE. A TOTAL OF 3 RODS ARE USED, CUT TO LENGTH

IMAGES BELOW CAN BE EXPANDED FOR DETAIL



21			3			SPACER,AXLE 66MM	1	EA	PRINTED		PETG	ONE ON EACH AXLE FURTHEST FROM DRIVE WHEEL
22			3			WHEEL,SHORT SHAFT	2	EA	PRINTED		PETG	TWO ON EACH AXLE BETWEEN SPACER,AXLE 66MM AND WHEEL,LONG SHAFT
23			3			WHEEL, FRONT LONG SHAFT	1	EA	PRINTED		PETG	ONE ON EACH AXLE CLOSEST TO THE DRIVE WHEEL
24												
									CHEMICAL Bottles	https://www.amazon.com/dp/B07K794M13?ref=ppx_vo2ov_dt_b_fed_asin_title		



NOTES!

POWER SUPPLY

SEALANT

ALITOVE DC 12V 5A Power Supply Adapter Converter Transformer 60W AC 100-240V Input with 5.5x2.5mm DC Output Jack for 5050 3528 LED Strip Module Light

YOU WILL LIKELY NEED A SEALANT TO WATERPROOF THE TANK.
 SUGGESTIONS ARE : EPOXY, PRINTING WITH PETG IS BETTER THAN PLA BUT STILL HAS PROBLEMS BEING WATERPROOF. PRINTING WITH ABS/ASA ARE SUPPOSED TO BE BETTER, USING ACETONE SMOOTHING BUT I DID NOT TRY THAT SINCE I DON'T HAVE AN ENCLOSURE FOR MY PRINTER. OTHER METHODS: HOT WAX, PAINT....

IVE BEEN THROUGH MANY ITERATIONS AND HOURS OF TRIALS, ERRORS, MATERIAL CHANGES, AND SO FORTH BUT I DON'T GIVE YOU ANY WARRANTY, WHATSOEVER. BUILD AT YOUR OWN RISK (AND HAVE FUN).