

	Component	Qty.	Example
1	Arduino Pro Mini , 5V 16MHz (and its CP2102 USB to TTL serial adapter, or an equivalent, to upload the firmware).	1	
2	Stepper driver DRV8825	1	
3	12V 1A , 5.5x2.1mm plug, power supply.	1	Aliexpress
4	Linear guide rail MGN7 , L=100 mm (or custom length = movement threaded rod length) + MGN7C block .	1 set	
5	T3.5 movement threaded rod , pitch 1mm, lead 2mm, L=100mm (or custom length = linear guide length); and its POM nut.	1	Aliexpress
6	Stepper motor: 25mm micro stepper motor with 1:12 reduction . -upgradeable to Nema 8-	1	Aliexpress
7	Round Screw Ball (10 mm diameter, M4 bore) + Round Magnetic Bracket (12 mm diameter, 4 mm thickness)	1 set	Aliexpress
8	PVC hose , 4mm outside diameter and 2mm inside diameter. Cutting length: 15mm. (for the motor coupling)	1	
9	For PCB: Cylindrical magnets diameter 9 mm, thickness 3 mm	2	
10	For PCB: Micro SD module, 6 Pin, 18x18 mm	1	Aliexpress
11	For PCB: LCD TFT 2.2", 14 Pin, ILI9341 driver , 320x240, contrast ratio 500:1 , Ref. Tianma TM022HDH26	1	Aliexpress
12	For PCB: MR16 Led Driver 12V, 600 mA Output	1	Aliexpress
13	Heat transfer adhesive tape , to adhere the UV LED to the aluminum base	1	
14	3W UV LED , 405 nm, with heatsink "star" aluminum base.	1	
15	M4 threaded rod, L=24 mm (for platform).	1	
16	M3 x 8 Allen screws, "button" head	18	
17	M3 x 18 Allen screws, "button" head	2	
18	M2 x 6 screws	7	
19	M3 nuts	2	
20	M2 nuts	3	
21	Nylon hexagonal spacer M3, female-female, 35mm length.	6	Aliexpress
22	M3 x 10 screw with knob	1	
23	M3 x 12 Allen screws, "button" head	4	
24	FEP film 100x120 mm.	1	
25	3D printed parts: "Carriage.STL", "Base.STL", "Support.STL" and "VAT - mod A/B/C.STL" (PLA)	4	
26	Laser cut metal parts: Base, platform and VAT frame.	3	
27	Vinyl decals: "Vinyl1.DXF" and "Vinyl2.DXF"	2	