



		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	E3D-BKT-001	X-Motor bracket, attaches print head motor to X-Gantry
2	1	E3D-BKT-007	X-Axis Belt Tensioner, Manages the tension on the X-Axis belt
3	1	E3D-BKT-004	X-Axis Right Gantry Plate, Connects the V-Slot wheels to right side of the X-Axis
4	5	E3D-SPC-001	Simple Wheel Spacers, adds distance from V-Slot wheels to the plate
5	6	V-Wheel_Ø24.4mm	V-Slot Wheels, Designed by Einzelne Bauteile, Allows moving parts to roll on channels in the aluminum extrusions
6	1	E3D-PLT-003	Extruder Plate, Mounts the extruder to the X-Axis
7	1	E3D-BSF-003	Hot End Assembly, Does all of the melting and temperature control for the printing process
8	1	E3D-SCR-005	Nozzle 0.4 mm, Controls the size of the extrusion and forming the layer lines
9	1	E3D-SMC-003	Fan Cover, Holds the fans in the correct orientation, and covers the hot end
10	1	E3D-MTR-001	Stepper Motor, From Ivan on GrabCAD, Simple 42 mm stepper motor that runs all of the motion
11	1	E3D-PHR-007	Pneumatic Joint, From Creality's GitHub, Holds onto both ends of the PTFE tubing
12	4	ISO 7380-1 - M4 x 25	Hexagon Socket Button Head Screw - Product grade A
13	1	E3D-EXT-002	X-Gantry Extrusion, Aluminum Extrusion for the X-Gantry
14	2	ISO 7380-1 - M5 x 25	Hexagon Socket Button Head Screw - Product grade A
15	4	ISO 4032 - M4	Hexagon nuts, style 1 - Product grades A and B
16	2	ISO 4032 - M5	Hexagon nuts, style 1 - Product grades A and B
17	1	ISO 7380-1 - M5 x 10	Hexagon Socket Button Head Screw - Product grade A
18	2	ISO 7380-1 - M4 x 8	Hexagon Socket Button Head Screw - Product grade A
19	1	ISO 7380-1 - M5 x 12	Hexagon Socket Button Head Screw - Product grade A
20	2	E3D-BRG-002	Belt Tension Rollers, Guides and adds tension to the various belts
21	3	ISO 7380-1 - M3 x 16	Hexagon Socket Button Head Screw - Product grade A
22	1	E3D-PHR-005	Nozzle Fan Placeholder, From Creality's GitHub, Placeholder of the throat cooling fan
23	4	BS EN ISO 4762 - M3 x 8	Hexagon Socket Head Cap Screw
24	1	E3D-PHR-006	Nozzle Fan Duct, From Creality's GitHub, Directs part cooling fan onto the nozzle
25	1	E3D-PHR-004	Cold Section Fan Placeholder, From Creality's GitHub, Placeholder for the part cooling fan
26	1	E3D-SPC-002	Eccentric Column, Spaces out V-Slot wheels and adjusts tension
27	2	ISO 10642 - M3 x 20	Hexagon socket countersunk head cap screws
28	1	ISO 4026 - M3 x 5	Hexagon socket set screws with flat point
29	4	ISO 7380-1 - M3 x 6	Hexagon Socket Button Head Screw - Product grade A
30	1	E3D-BKT-015	X-Axis Motor Cover, Covers the X-Axis motor and holds the X-Axis end stop
31	1	E3D-SWT-001	Limit Switch Placeholder, From Creality's GitHub, Sends a signal to the motherboard when the printer hits it, indicating 0 dim
32	4	BS EN ISO 4762 - M4 x 25	Hexagon Socket Head Cap Screw
33	2	ISO 7380-1 - M4 x 16	Hexagon Socket Button Head Screw - Product grade A
34	2	E3D-SCR-007	T-Slot Nut, Attaches parts to the V-Slot in aluminum extrusions
35	2	ISO 4762 - M2 x 3	Hexagon Socket Head Cap Screw
36	2	ISO 4762 - M2 x 6	Hexagon Socket Head Cap Screw

DRAWN Richard Malstrom	4/27/2025	Pennwest California		
CHECKED		TITLE		
QA		X-Axis Assembly		
MFG				
APPROVED				
		SIZE D	DWG NO E3D-ASM-003	REV 1
		SCALE 1 : 1	SHEET 1 OF 1	