

Spatial One Bill of Materials

Item	Part Number	Description	QTY.	Supplier	Supplier Code
1	1-00002	Frame Assembly	1	See Parts	
	1-00091	Top Plate	1	To Drawing	
	1-00075	Center Plate	2	To Drawing	
	1-00100	Frame Leg Assy	3	See Parts	
	1-00089	Extrusion upright	1	To Drawing	
	1-00086	Extrusion 90 deg joint	2	Motedis	SAPLA 30 B-Type slot 8
	1-00087	Horizontal Leg	2	To Drawing	
	1-00049	Top Brace	3	To Drawing	
	1-00088	Extrusion Cap	3	Motedis	Cover Cap 30 B-Typ
	1-00090	Hexagon Nut M8 A2	3	Nuts & Bolts	
	1-00053	M8 Adjustable Foot	3	Wixroyd	34610.W0032
	1-00043	Side Wall	2	To Drawing	
	1-00076	Side Wall Power Supply	1	To Drawing	
	1-00092	Button Socket M4 x 8 A2	63	Nuts & Bolts	
	1-00016	M4 T Nut	45	Motedis	T-nut B-type slot 8
	1-00202	Frame Setting Tool	1	Printed Parts	
2	1-00020	GT2 Endless Belt	3	www.think3dprint3d.com	GT2_Belt_m
3	1-00033	Reel Arm Assembly	1	See Parts	
	1-00032	Reel Arm	1	To Drawing	
	1-00016	M4 T Nut	2	Motedis	T-nut B-type slot 8
	1-00092	Button Socket M4 x 8 A2	2	Nuts & Bolts	
	1-00022	M4 Washer A2	2	Nut & Bolt	
4	1-00050	Top Plate	1	To Drawing	
5	1-00109	Aluminium Profile Cover	3	Motedis	Cover profile black B-type slot 8
6	1-00135	Slide and Arm Assembly	3	See Parts	
	1-00077	Slideway	1	Misumi	PLRH25-560
	1-00016	M4 T Nut	7	Motedis	T-nut B-type slot 8
	1-00092	Button Socket M4 x 8 A2	11	Nuts & Bolts	
	1-00192	Arm Carriage	1	See Parts	
	1-00185	Machined Arm Carriage	1	To Drawing	
	1-00140	Arm Shaft	1	To drawing	
	1-00170	M6 Thin Nut A2	2	Nuts & Bolts	
	1-00134	Belt Clamp	2	To drawing	
	1-00023	M3 Washer A2	4	Nuts & Bolts	
	1-00034	M3 Nyloc A2	2	Nuts & Bolts	
	1-00161	M4 x 10 Hex Cap Head A2	4	Nut & Bolt	
	1-00024	M3 x 12 Hex Cap Head A2	1	Nuts & Bolts	
7	1-00145	Panel Assy	1	See Parts	
	1-00188	GLCD Display	1	Reprapdiscount	http://www.reprapdscount.com/home/34-full-graphic-smart-lcd-controller.html
	1-00189	Panel Base	1	To Drawing	
	1-00190	Panel Top	1	To Drawing	
	1-00209	2mm PCB spacer	8	CPC	PC01639
	1-00030	M3 x 16 Hex Cap Head A2	4	Nuts & Bolts	
	1-00210	M3 x 25mm Socket Button A2	4	Nuts & Bolts	
8	1-00179	Cable Plug	1	Conec	43-11268
9	1-00178	Cable Socket	1	Conec	43-01354
10	1-00122	Heated Bed	1	See Parts	
	1-00120	Base Bed	1	To Drawing	
	1-00107	280mm 24vdc 250w Polymide Heater	1	www.andornot.co.uk	see website
	1-00184	Molex 4 way Socket	1	complete with 1-00107	
11	1-00152	Bed Clamp	3	Printed Parts	

12	1-00150	Smoothie Assy	1	See Parts	
	1-00154	Smoothie Board plate	1	To drawing	
	1-00147	Smoothie Board	1	Robotseed	Smoothie Board 5XC
	1-00016	M4 T Nut	3	Motedis	T-nut B-type slot 8
	1-00021	M4 x 12 Hex Cap Head A2	3	Nut & Bolt	
	1-00022	M4 Washer A2	3	Nut & Bolt	
	1-00156	Plastic PCB spacer	4	CPC	PC01634
	1-00157	Cap head Hex M3 x 25mm A2	4	Nut & Bolt	
	1-00030	M3 x 16 Hex Cap Head A2	2	Nuts & Bolts	
	1-00155	FSR Controller	1	Tridprinting.com	http://www.tridprinting.com/Electronics/#3D-Printer-FSR
	1-00158	Smoothie Board Shield	1	Robotseed	Contact supplier
	1-00151	M3 Hex Spacer 8mm	2	CPC	PC00141
	1-00025	M3 Nut A2	2	Nuts & Bolts	
13	1-00160	Stepper Assy	3	See Parts	
	1-00159	Motor Bracket	1	Printed Part	
	1-00017	Nema 17 Stepper Motor	1	www.think3dprint3d.com	MOTOR_NEMA17
	1-00016	M4 T Nut	2	Motedis	T-nut B-type slot 8
	1-00021	M4 x 12 Hex Cap Head A2	2	Nut & Bolt	
	1-00022	M4 Washer A2	2	Nut & Bolt	
	1-00023	M3 Washer A2	4	Nuts & Bolts	
	1-00161	M4 x 10 Hex Cap Head A2	4	Nut & Bolt	
	1-00018	GT2 20 Tooth Sprocket	1	www.think3dprint3d.com	
14	1-00163	Top Pulley Assy	3	See Parts	
	1-00162	Top Pulley	1	Printed Part	
	1-00164	Top Pulley Bearing	2	Misumi	SMFL105ZZ
	1-00165	Top Pulley Shaft	1	To Drawing	
	1-00018	GT2 20 Tooth Sprocket	1	www.think3dprint3d.com	
	1-00027	Roller Arm Microswitch	1	To Drawing	
	1-00021	M4 x 12 Hex Cap Head A2	2	Nut & Bolt	
	1-00022	M4 Washer A2	2	Nut & Bolt	
	1-00016	M4 T Nut	2	Motedis	T-nut B-type slot 8
	1-00025	M3 Nut A2	2	Nuts & Bolts	
	1-00166	M3 x 16mm Socket Button A2	2	Nuts & Bolts	
15	1-00175	Extruder Assy	1	See Parts	
	1-00171	Bulldog Extruder	1	RobotDigg	BULL
	1-00172	Extruder Bracket	1	Printed Part	
	1-00174	Extruder Filament Gear	1	RobotDigg	Comes with 1-00171
	1-00173	Geared Stepper Motor	1	RobotDigg	GNEMA17-34
	1-00176	M4 x 16 Hex Cap Head A2	2	Nut & Bolt	
	1-00022	M4 Washer A2	2	Nut & Bolt	
	1-00016	M4 T Nut	2	Motedis	T-nut B-type slot 8
16	1-00177	FSR Plate Assy	3	See Parts	
	1-00137	Bed Cover	1	Printed Parts	
	1-00168	FSR 402	1	www.steadlands.co.uk	FSR402
	1-00025	M3 Nut A2	2	Nuts & Bolts	
17	1-00090	Hexagon Nut M8 A2	1	Nuts & Bolts	
18	1-00092	Button Socket M4 x 8 A2	22	Nuts & Bolts	
19	1-00021	M4 x 12 Hex Cap Head A2	6	Nut & Bolt	
20	1-00182	Arm Assy	6	See Parts	
	1-00180	Rod End	2	To Drawing	
	1-00183	Super Glue	1	Consumables	
	1-00181	Rod	1	To Drawing	
22	1-00191	End Effector assy	1	See Parts	
	1-00186	Machined End Effector	1	To Drawing	
	1-00140	Arm Shaft	3	To drawing	

	1-00170	M6 Thin Nut A2	6	Nuts & Bolts	
	1-00030	M3 x 16 Hex Cap Head A2	3	Nuts & Bolts	
	1-00034	M3 Nyloc A2	6	Nuts & Bolts	
23	1-00187	USB Panel Mount	1	CPC	CS24862
24	1-00153	Power Supply 240vac to 12vdc	1	www.meanwell.co.uk	RS-15-12
25	1-00193	PANEL MOUNT,CAT5E SHIELDED	1	CPC	CS25441
26	1-00194	IEC Panel Mount	1	CPC	CN08375
27	1-00198	Single Hot End Assy	1	See Parts	
	1-00196	End Effector	1	Printed Parts	
	1-00104	Hot End Plate	1	Printed Part	
	1-00067	v6 Hot End	1	E3d Online	http://e3d-online.com/E3D-v6/Full-Kit?product_id=381
	1-00195	v6 Cowling	1	E3d Online	Supplied with 1-00067
	1-00042	30mm 24 vdc Fan	1	E3d Online	Supplied with 1-00067
	1-00030	M3 x 16 Hex Cap Head A2	5	Nuts & Bolts	
	1-00034	M3 Nyloc A2	5	Nuts & Bolts	
	1-00023	M3 Washer A2	5	Nuts & Bolts	
	1-00199	12vdc Blower Fan	1	Mouser	108-BFB0312HA-A
	1-00200	Cable Gland	1	CPC	CB02123
	1-00201	Blower Bracket	1	Printed Part	
	1-00206	Self Tapper No 4 x 19mm A2	4	Nuts & Bolts	
	1-00205	Self Tapper No 4 x 9,5mm A2	1	Nuts & Bolts	
28	1-00094	Power Supply 240vac to 24vdc	1	www.meanwell.co.uk	RSP-500-24
29	1-00023	M3 Washer A2	14	Nuts & Bolts	
30	1-00034	M3 Nyloc A2	7	Nuts & Bolts	
31	1-00030	M3 x 16 Hex Cap Head A2	9	Nuts & Bolts	
32	1-00024	M3 x 12 Hex Cap Head A2	4	Nuts & Bolts	