

BCN3D Moveo BOM.xlsx

	BOM ID	BOM	QUANTITY
Components	1	Stepper Motor SM42HT47-1684 1,8º step, 1,6 A, 3600 g·cm	1
	2	ARDUINO MEGA 2560	1
	3	Stepper Driver tb6560	6
	4	Power Supply 24V 320W	1
	5	RAMPS V1.4	1
	6	Power converter 24V a 12V	1
	7	Servo Motor 180º 55G TORQUE=13KG/CM	1
	8	Gear Ratio 5:1 Planetary Gearbox Nema 17 Stepper 17HS19-1684S-PG5 (step 0,35º , 2Nm, 1,68A)	1
	9	Nema 23, 112mm, Ø8mm flat shaft SM57HT112-3004A, step 1,8º, 3A,28Kg·cm	2
	10	Stepper Motor SM35HT36-1004A, 1,8º step, 1A, 1400g·cm	1
	11	Stepper Motor nema 17 SM42HT33-1334, 1,8º step, 1,33A, 2200 g·cm	1
	12	Chrome steel smooth bar-134mm	1
	13	Chrome steel smooth bar-114mm	1
	14	Chrome steel smooth bar-80mm	1
	15	Ball Bearing 608ZZ 8mm x 22mm x 7mm	10
	16	Ball Bearing 625ZZ 5mm x 16mm x 5mm	8
	17	Ball Bearing 624ZZ 4mm x 13mm x 5mm	9
	18	Ball Bearing 623ZZ 3mm x 10mm x 4mm	3
	19	Brass insert M4	3
	20	Brass insert M3	20
	21	Pulley T5, Bore 8mm, 14 tooth, 17mm width	3
	22	Pulley T5, Bore 5mm, 10 tooth, 17 mm width	2
	23	ROD BAR M8 L 42mm	1
	24	ZCOUPLING STEEL 5 TO 8 mm rigid	1
	25	Axial Fan DC 24V 80x80mm	1
	26	Axial Fan DC 24V 50x50mm	1
	27	Powwer supply cable IEC 1,8m	1
	28	Cable USB 2.0 AM/BM 1,8m	1
	29	Cable Ties	10
	30	Selfoil bearing 5mm x 8mm x 10mm	8
	31	Selfoil bearing 8mm x 12mm x 20mm	2
	32	Wood Base - 550mm x 550mm x 16mm	1
	33	Breco belt T5, 16mm width, L 180cm	1,8 m
Fasteners	101	Dimension A: M-3 Dimension B: 10 mm	30
	102	Dimension A: M-3 Dimension B: 12 mm	6
	103	Dimension A: M-3 Dimension B: 16 mm	13
	104	Dimension A: M-3 Dimension B: 20 mm	4
	105	Dimension A: M-3 Dimension B: 25 mm	5
	106	Dimension A: M-3 Dimension B: 30 mm	2
	107	Dimension A: M-3 Dimension B: 40 mm	7
	108	Dimension A: M-4 Dimension B: 12 mm	2
	109	Dimension A: M-4 Dimension B: 10 mm	2
	110	Dimension A: M-4 Dimension B: 16 mm	8
	111	Dimension A: M-4 Dimension B: 40 mm	4
	112	Dimension A: M-4 Dimension B: 45 mm	6
	113	Dimension A: M-4 Dimension B: 60 mm	4
	114	Dimension A: M-5 Dimension B: 14 mm	120
	115	Dimension A: M-5 Dimension B: 20 mm	8
	116	Dimension A: M-8 Dimension B: 65 mm	1
	117	Dimension A: M-4 Dimension B: 25 mm	4
	118	Dimension A: M-3 Nut	30
	119	Dimension A: M-4 Nut	4
	120	Dimension A: M-4 Locknut	18
121	Dimension A: M-5 Locknut	16	
122	Dimension A: M-8 Locknut	2	

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	123	Dimension A: M-4 Dimension B: 20 mm	3
	124	Dimension A: M-3 Dimension B: 8 mm	4
	125	Dimension A: M-4 Dimension B: 30 mm	8
	126	Dimension A: M-3 Dimension B: 35 mm	4
	127	Washer M-3	10
	BOM ID	Parts	Name
Printed Parts	202	Articulation 1	1M1
	203		1M2
	204		1M3
	205	Articulation 2	2M1
	206		2M2M
	207		2M2H
	208		T2M1D
	209	T2M1I	1
	210	Articulation 3	3M1
	210A		3M2C
	211		3M2
	212		T3M1
	213	Articulation 4	4M1
	214		4M2
	215		4M2C
	216		T4M1
	217	Machine - tool	Top plate
	218		Bottom plate
	219		Cilinder
	220		Pivot arm
	221		Gripper left
	222		Gripper right
	223		Idol gear
	224		Servo gear
	225	Box electronics	Box
	226		Fan module
	227		Suport Drivers
	228	Base	Potes
229	Cover	Tapa 2M1	
230		Tapa 3M1	
231		Tapa 4M1	
232		Tapa TBB	