

No	Part Name	Quantity	Fabrication Method
Gripper Frame Assembly			
1	2020 Aluminium Extrusion (220mm)	2	Fabricated from Alu Extrusion
2	2020 Aluminium Extrusion (650mm)	2	
3	2020 Aluminium Extrusion (485mm)	2	
4	Extrusion Column Joint	24	Provided in Workshop
5	M5 T Nut	44	
6	M5 8mm Screw	44	
Gripper Assembly(Parts for 2X)			
1	2020 Aluminium Extrusion (180mm)	2	Fabricated from Alu Extrusion
2	Dead End	2	Fabricated from Alu Plates
3	Metal Brackets	6	Fabricated from Raw Material
4	Rack Guide	2	3D Printed
5	Motor Side Plate 1	2	Fabricated from Alu Plates
6	Metal Brackets(Motor)	4	
7	Motor Mount Spacer	2	3D Printed
8	MG996 Servo Motor	2	Provided in Workshop
9	Motor Side Plate 2	2	Fabricated from Alu Plates
10	Motor Bottom Plate	2	
11	M4 Hex Screw (10mm)	8	Provided in Workshop
12	M4 Hex Screw (25mm)	4	
13	M4 Hex Nut	12	
14	M2 Hex Screw (10mm)	28	
16	M2 Hex Screw (12mm)	4	
17	M2 Hex Nut	32	
18	M3 Hex Screw (10mm)	2	
19	M3 Hex Nut	2	
20	Motor Horn (Cross)	2	3D Printed
21	Spur Gear	2	
22	Rack with Mount(right)	1	
23	Rack with Mount(left)	1	Fabricated from Alu Plates
24	Moving End (right)	1	
25	Moving End (Left)	1	3D Printed
26	Moving End Spacer	1	
27	Dead End Slide	2	
28	Moving End Slide	2	
Whole Assembly			
1	Magni Robot Base	1	Provided in Workshop
2	Gripper Frame	1	Fabricated
3	M5 Hex Screw(8mm)	20	Provided in Workshop
4	M5 T Nut	20	
5	Gripper(Left)	1	Fabricated
6	Gripper (Right)	1	Fabricated