

Bill Of Material for AMR

Num	Type	Name	quantity	Database link	store website Egypt
1	Mechanical	Robot Mechanical Design- Laser cutting parts		Diffrobot_laser_parts.DXF	https://web.facebook.com/KitchenMakerSpace?locale=ar_AR
2	Mechanical	Screw 4mm*10cm	12	https://media.diy.com/is/image/Kingfisher/diall-m4	
3	Mechanical	Screw 4mm*5cm	4		
4	Mechanical	Nut for Screw 4mm	48		
5	Mechanical	Screw 3mm*1cm	8		
6	Mechanical	Screw 3mm*0.5cm	4		
7	Mechanical	Nut for Screw 3mm	8		
8	Mechanical	Motor bracket L shape 25mm	2	https://lampatronics.com/wp-content/uploads/2022/09/DC-Gear-Motor-Bracket-L-Shape-25mm.pdf	https://free-electronic.com/product/25mm-dc-gear-motor-block-l-shape-motor-bracket/dc-gear-motor-bracket-(l-shape-25mm)-lampatronics
9	Mechanical	Metal Caster Wheel for Robot (40mm)	2		https://ampere-electronics.com/product/metal-caster-wheel-for-robot-40mm/
10	Mechanical	65mm Wheel with Coupler For 6mm Shaft Motor	2		https://electra.store/product/65mm-wheel-with-coupler-for-6mm-shaft-motor/
11	Electirical	lithiom Battery 12V - 12Ah	1	https://5.imimg.com/data5/GU/UO/LD/SELLER-8781201099467368	https://web.facebook.com/GoldAbikia/?locale=ar_AR&_rdc=1&_rdr
12	Electirical	Dc Gear Motor With Magnetic Linear Encoder	2	https://i0.wp.com/makerselectronics.com/wp-content/uploads/2022/09/DC-Gear-Motor-With-Magnetic-Linear-Encoder-jgy-370-25kg-90rpm-12v.pdf	https://free-electronic.com/product/dc-gear-motor-with-magnetic-linear-encoder-25ga370-7-8kg-250rpm-12v/
13	Electirical	MU (MPU-6050) Gyroscope + Accelerometer Sensor Module	1		https://makerselectronics.com/product/imu-mpu-6050-gyroscope-accelerometer-sensor-module
14	Electirical	Cytron Dual Channel 10A DC Motor Driver Rev 2.0 – MDD10A (10A Each Channel)	1		https://electra.store/product/cytron-dual-channel-10a-dc-motor-driver-rev-2-0-mdd10a-10a-each-channel
15	Electirical	DC-DC 5A Step Down Converter With USB 75W	1		https://microohm-eg.com/product/dc-dc-5a-step-down-converter-with-usb-75w/
16	Electirical	DC-DC Adjustable Step-Down Power Supply Module (LM2596)	1		https://store.fut-electronics.com/products/dc-dc-converter-lm2596hv-4-5-55v-to-1-25-30v
17	perseption	RPlidar A1 2d- 360	1		
18		kinect xbox 360	1	https://m.media-amazon.com/images/I/81rcVeXg0tL.jpg	
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20	Control	Arduino Mega	1		
21	Control	Rasperry pi 4 4Gb	1		
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