

Total cost [€]	293,52
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	Item number	Description of the material	Quantity	*Price/Unity [€]	Cost [€]	Provider
Electronic s Stuff	1	Arduino Mega 2560, 5V, Digital I/O Pins: 54, Analog Input Pins: 16	1	11,99	11,99	Amazon
	2	Arduino Cable (to program it)	1	0,00	0,00	Amazon
	3	LCD Screen Arduino (20x4)	1	4,73	4,73	Amazon
	4	4x4 Keypad Arduino (Key type, switch)	1	3,50	3,50	Amazon
	5	PCB piece (30x20pins)	1	2,24	2,24	Amazon
	6	Electronic Switch	1	0,96	0,96	Robotshop
	7	10 Kohms potentiometer	1	0,96	0,96	Robotshop
	8	220 ohms resistor	2	0,01	0,02	Amazon
	9	RFID	1	3,99	3,99	Amazon
	10	IR sensors	6	1,20	7,19	Amazon
	11	Arduino Batery adapter	1	1,50	1,50	Robotshop
	12	Mascle pin (Linear)	100	0,02	1,75	Amazon
	13	Female pin (Linear)	100	0,00	0,00	Amazon
	14	Stepper Driver A4988	1	2,34	2,34	Amazon
	15	Power Supply 6301-9 Hp (Voltage Transformator AC 110V / 220V to 12V DC; 15A; 180W)	1	49,95	49,95	Amazon
	16	L98N DC Motor Driver	1	3,35	3,35	Amazon
	17	100 microF, 12V capacitor	1	0,54	0,54	Amazon
	18	Wires for 12V, 3A	2m	0,00	0,00	UVic
	19	Terminal strips	3	0,19	0,56	Amazon
	20	Tira LED (1m)	1	9,99	9,99	Amazon
Motors	21	172:1 Metal Gearmotor (DC Motor) , 12V , @31 RPM , Torque = 0,36 Nm	1	16,95	16,95	Pololu
	22	Stepper Motor Nema 17, 12V; 0,4A; Torque=0,26Nm	1	12,69	12,69	Amazon
	23	Servo Motor , 4,8V; Torque = 0,15 Nm	1	16,08	16,08	Robotshop
Mechanics Stuff	24	Wood sheet of 3mm thickness (1m^2)	1	4,98	4,98	Amazon
	25	3D printing plastic	1	0,00	0,00	UVic
	26	Threaded rod M6	2	2,20	4,40	Amazon
	27	Tube transparent PVC Ø32x1,8mm thickness	1	7,70	7,70	Amazon
	28	PET sheet 60x100cm, 2mm	2	30,71	61,42	Make&Learn
	29	Round aluminum tube 10 mm. Long. 1m Ref. 9790971	2	2,95	5,90	Leroy Merlin
	30	Aluminium rod Ø20x100mm	1	0,00	0,00	UVic
	31	Laser cutting	1	55,94	55,94	Make&Learn
	32	Aluminium angle (1m)	1	1,90	1,90	Leroy Merlin
33	Methacrylate 200x300mm	1	0,00	0,00	UVic	
Joints	34	Nuts M6	8	0,00	0,00	UVic
	35	Nuts M4	8	0,00	0,00	UVic
	36	Nuts M4 self-locking	16	0,00	0,00	UVic
	37	Washer M6	8	0,00	0,00	UVic
	38	Bolts M4	8	0,00	0,00	UVic
	39	Bolts M3	7	0,00	0,00	UVic
	40	Nuts M3	3	0,00	0,00	UVic
	41	Washer M3	6	0,00	0,00	UVic
	42	Bolt M8 Allen	1	0,00	0,00	UVic
	43	Plastic washer M10	1	0,00	0,00	UVic
	44	Washer M4	16	0,00	0,00	UVic
	45	Rivets Ø4	40	0,06	2,44	Leroy Merlin