

Composants Electroniques a Acheter

Piece	Quantité	Source	Coût			Remarques
			Unitaire	Devise	Total	
nema 17 steppers (*) Stepper motors should be 40mm or shorter, unless you chose the taller parts that I later created for some users willing to use 48mm tall steppers (like many use for 3D printers).	2					Existents
micro servo SG90 (plus a 250mm cable extender)	1	https://www.fruugoschweiz.com/towerpro-sg90-digital-m	20	CHF	20	Ce servomoteur peut tourner uniquement entre 0 et + 180
Arduino UNO	1	https://store.arduino.cc/products/arduino-uno-rev3	24	€	24	madeit.ch : clone 15 CHF
CNCshield	1	https://madeit.ch/boutique/carte-cnc-shield-v3-0/	27	CHF	27	1 * plaque de blindage CNC 4 * DRV8825 pilote de moteur pas à pas 4 * radiateur 1 * câble USB
12V 3A power supply	1	https://www.distrelec.ch/fr/alimentation-decoupage-indu	14	CHF	14	LCS35US12 - Alimentation à découpage, industriel, 35W, 12V, 3A, XP Power
Total					85	

Composants Mecaniques a Acheter

Piece	Description	Quantité	Source	Coût		
				Unitaire	Devise	Total
8mm smooth rods (400mm long)	Axis	2	https://www.systeal.com/en/linear-guide-on-precision-shaft/1881-2176-smooth-rod-8-mm-diameter.html#/236-total_length-500_mm	5	€	10
8mm smooth rods (320mm-long)		2	https://www.systeal.com/en/linear-guide-on-precision-shaft/1881-2176-smooth-rod-8-mm-diameter.html#/236-total_length-500_mm	5	€	10
LM8UU	Roulement linéaire	8	https://madeit.ch/boutique/_trashed/	3	CHF	24
20-tooth GT2 pulleys		2	https://www.3dware.ch/GT2-Pulley-20-Teeth-5mm-Bore-En.htm	3	CHF	6
F623ZZ bearings	roulements	10	https://www.3dware.ch/Suche	1,5	CHF	15
GT2 belt (1.4 meters long)	courroie dentée	1	https://www.imprimante3dfrance.com/en/checkout/checkout/layout-show	17	€	17
4mm OD, 100mm-long carbon fiber tubes		2	https://www.clipcarbono.com/en/31-thickness-1mm	6	€	12
M10 threaded rods (400mm-long each)	Tige filetée	2	Leroy Merlin	10	€	20
30mm M3 screws with nuts		8	Leroy Merlin	4,5	€	4,5
16mm M3 screws with nuts		4	Leroy Merlin	4,5	€	4,5
6mm M3 screws		8	Leroy Merlin	2,5	€	5
15mm M3 screws		2	Leroy Merlin		€	0
M10 nuts		8	Leroy Merlin	3	€	3
M3 washers		4	Leroy Merlin	4	€	4
Total						135

Remarques
500 mm
1000 mm
Qty : 25
Qty : 30
Qty : 5
Use 16mm

Element	Fichier stl	Photo
Arduino_grip	DrawingMachine_ - Arduino_grip.stl	3cb0abeb9d214008fc2388d2e4c91a41.png
base	DrawingMachine_ - base.stl	6c0ed874e7cd5bdfad3f3c4ed5c44fe5.png
base_with_nuts	DrawingMachine_ - base_with_nuts.stl	15ffc615c08a940bccb83b55fc7a99e2.png
newEndX_1	DrawingMachine_ - newEndX_1.stl	8ec31fd9d4210ecdafe3e3a3456fbaff.png
Pen_Carriage_1	DrawingMachine_ - Pen_Carriage_1.stl	e21e8bd9d29e930654758aaa403c2874.png
Pen_holder_1	DrawingMachine_ - Pen_holder_1.stl	db50cb72c5c095c3608d31412b09bc57.png
servoHolder	DrawingMachine_ - servoHolder.stl	42fe427f1709701ea06472a32bfd8e30.png
EndY	EndY.stl	b316fb4817062c72a014752c5b8d428e.png
EndY2	EndY2.stl	a6f320b1239115a57c8a32e8a086a5a2.png
newEnd40x20_1	newEnd40x20_1.stl	newEnd40x20_1.png
Taller_Arduino_support	Taller_Arduino_support.stl	9923291e9934ea50db126e92308204f9.png
tensor	tensor.stl	8265fb9e76ecd02bc4b425174508b961.png