material	#	Price	Notes
Hardware store	"	14,5	
gray cement	2kg	17,0	are items below are comprised in this price
M4x1m threaded rods		2	
M8x1m threaded rods		3	5 are actually required but you might lose a bit when cutting
M8 nuts	60		5 are actually required but you might lose a bit when cutting
35.7*50mm with 8 or 12mm shaft 12V DC motor (high RPM)			
coupler clamp stepper servo motor coupling D20L25 5x8x25mm		3 6	
28BYJ-48 12V 4 Phase DC Gear Stepper Motor + ULN2003 Driver Board		8.49	3
sd reader			
8mm*20cm rods		1,3	
		13,0	·
M3 hex socket scew and washer set	12		
LM8 LM8UU linear bearing			
Arduino nano			
3.17 to 3.17mm coupler			·
PWM Motor speed controller		1 10	You could easily either skip this or get a way cheaper one
PLA	2kg	25	It should take you less than 2 spools but more than 1, in bundles of 2 spools I can easily find them for 25€ on amazon
DC-DC step down module (12V to 5V)		1,79	
limit switches 12x6mm		1,71	this is the price for 10 on aliexpress
relay module		1,11	
12V 10 amp PSU (you should be fine with a bit more than 5)		1 15	I used a PC power supply, you can easily find them even for free
Bike Quick Release Skewer Springs		1,79	I've also tested stiffer springs with no improvement so these are the best to install and easiest to find
Strong Crystal Fishing Line PE Nylon 0.6mm	1 spool	1,59	
heatset inserts	150	7,35	
T8 lead screw 20cm lead 8mm		6,14	
T8 lead screw 10cm lead 8mm	:	2,51	
T8 anti backlash nut lead 8mm		3,64	
ball bearing 608ZZ	:	3 2,69	the price is for 10
tot		152,11	euros
PCB making supplies	#	Price	Notes
			I suggest using the ones with a spiralized point, they are more
0.1mm engraving bits	10	8,42	
0.8mm drilling bits	10	2,69	
Copperclad boards 7x10cm FR10	10	3,69	
Solder mask	10cc	2,9	
UV nail curing machine			
printable transparent sheets		10	
tot		32,7	