material	#	Price		Notes
Hardware store	Tr.	14,5		the items below are comprised in this price
gray cement	2kg	17,	1	are items below are comprised in this price
M4x1m threaded rods	2109)		
M8x1m threaded rods				5 are actually required but you might lose a bit when cutting
M8 nuts	60			S are actually required but you might lose a bit when cutting
35.7*50mm with 8 or 12mm shaft 12V DC motor (high RPM)	1			
coupler clamp stepper servo motor coupling D20L25 5x8x25mm	3	-,-,		You should use rigid couplers not the springy ones
28BYJ-48 12V 4 Phase DC Gear Stepper Motor + ULN2003 Driver Board	3			Tou should use rigid couplers not the springy ones
sd reader	1			
8mm*20cm rods				you will have to cut one in half or buy 4 20mm and 2 10mm
	1			you will have to cut one in hall of buy 4 20mm and 2 Tomm
M3 hex socket scew and washer set	12			
LM8 LM8UU linear bearing				
Arduino nano	1			
3.17 to 3.17mm coupler	1	_,-,-		the price is for 5
PWM Motor speed controller	1	10	1	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
step down	1	1,79	1	
limit switches 12x6mm	3	1,7		this is the price for 10 on aliexpress
relay module	1	1,1		
12V 10 amp PSU (you should be fine with a bit more than 5)	1	15	i	I used a PC power supply, you can easily find them even for free
Bike Quick Release Skewer Springs	3	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	1	
heatset inserts	150	7,35		
T8 lead screw 20cm lead 8mm	2	6,14		
T8 lead screw 10cm lead 8mm	2	2,5		
T8 anti backlash nut lead 8mm	3	3,64		
ball bearing 608ZZ	3	2,69		the price is for 10
tot		152,1	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		expensive
0.8mm drilling bits	10	7		
Copperclad boards 7x10cm FR10	10	3,69		
Solder mask	10cc	2,9		
UV nail curing machine				
printable transparent sheets		10		
tot		32,7		