Quantity	Description	Each	Total	Notes
	Electrical			
1	Arduino Uno	\$25.00	\$25.00	
1	gShield V5	\$49.99	\$49.99	
1	5 position Duel Row Terminal Block	\$2.00	\$2.00	
2	NEMA 17 Stepper Motor	\$10.00	\$20.00	
1	12v DC 30amp Power Supply	\$25.00	\$25.00	
100.5"	24AWG Two Conductor Shielded Wire	\$7.00	\$7.00	
90"	22AWG Four Conductor Wire	\$3.50	\$3.50	
1	USB cable type A/B for Arduino	\$4.00	\$4.00	
1	8 Pin Terminal Block.	\$2.75	\$2.75	
1	Limit Switch-long arm 2"(50.8mm)	\$5.38	\$5.38	
2	Micro Limit Switch	\$1.00	\$2.00	
	Nuts and Bolts			
14	M3x10mm Pan Head Screws	\$0.03	\$0.42	
13	M3x12mm Pan Head Screws	\$0.02	\$0.26	
46	M3x16mm Pan Head Screws	\$0.03	\$1.38	
2	M3x20mm Pan Head Screws	\$0.03	\$0.06	
14	M3 x 25mm Pan Head Screws	\$0.03	\$0.42	
4	M3x35mm Pan Head Screws	\$0.07	\$0.28	
1	M3x45mm Pan Head Screw	\$0.15	\$0.15	
4	M3x50mm Pan Head Screws	\$0.19	\$0.76	
1	M5x50 Bolt. Threaded all the way down.	\$0.59	\$0.59	
91	M3 Nuts	\$0.01	\$0.91	
1	M3 Lock Washer	\$0.02	\$0.02	
1	M5 Nut.	\$0.29	\$0.29	
13	M3 Flat Washers	\$0.03	\$0.39	
28	#6 x1/2" Pan Head Screws (3.5mmx13mm)	\$0.02	\$0.56	
1	1/4-20 Nut	\$0.03	\$0.03	
5	1/4-20 x 1/2" Bolts	\$0.08	\$0.40	
5	1/4-20 Slide In T-Nuts	\$0.21	\$1.05	
4	M2x16mm Pan Head Screws	\$0.10	\$0.40	
4	M2 Nuts	\$0.05	\$0.20	

	Motion Control			
1	GT2 Idler Pulley for 6mm wide belt	\$2.00	\$2.00	
1	GT2 2mm pitch pulley – for 6mm wide belt	\$3.00	\$3.00	
4	4'x6mm GT2 Timing Belt- (1220mm)	\$0.89	\$3.56	Sold by the foot.
8	608ZZ Ball Bearings	\$1.25	\$10.00	
1	5mmx6.35mm Flexible Shaft Coupling	\$9.00	\$9.00	
	Miscellaneous			
2	PVC pipe. 3/4"x5 foot SCH40	\$1.55	\$3.10	
8	PVC Pipe End Cap.	\$0.29	\$2.32	
1	14"x1"x1" Aluminum T-slot Profile	\$2.50	\$2.50	
1	1/4-20 Allthread – 12" long	\$2.00	\$2.00	
1	1"x 5 foot PVC Pipe – Sch 40	\$2.50	\$2.50	Only need 3.125" (79.3mm)
1	1/4"x49"x97" Melamine Panel	\$20.00	\$20.00	
1	.08"x30"x36" Acrylic Sheet	\$20.00	\$20.00	
1	Package Small Wire Ties	\$2.00	\$2.00	
1	16 Ga. 304 Stainless Steel Sheet, 12" x 12"	\$15.00	\$15.00	
	Total		\$252.17	

Quantity	Laser Cut Parts	Material	
1 1 1 1 1 6 1	1PCB1 Deck 1PCB2 Deck 1PCT1 Deck 1PCT2 Deck PVC Pipe End Cap. Deck Spacers – two sizes Carriage – Multiple Pieces TableSupport – Multiple Pieces SyringeSlide	.25" Melamine	Melamine was chosen for it's cost, availability and surface. It's easily cleaned and has a fairly inert surface, and is easily cut with most 40 watt lasers.

1	SyringeHolder	.25" Melamine	
2	Door Frame	.25" Melamine	
1	SyringeCarriage – Four Piece	.25" Melamine	
2	TopSideCover	Acrylic	
1	TopCenterCover	Acrylic	
2	BottomSideCover	Acrylic	
1	BottomCenterCover	Acrylic	
1	DoorCover - 14 3/8th x 11 3/8"	Acrylic	Size approximate.
1	TableA	Paper	Print paper or laser cut it out of paper.
1	TableB	Paper	Print paper or laser cut it out of paper.

Quantity 3D Printed Parts

Your choice of PLA or ABS.

Terminal Mount
LevelingCollarB
DoorLatchBase
DoorLatchHandle
SwingHinge
LevelingCollar
OutSideGuides
DoorSwitchMount
Bearing Inserts – Thin Base
Bearing Inserts – Thick Base
CarriageAdjustmentMountB
BeltMountClamp (2pc)
SyringeSwivel
SyringHoldDown
SlideSpacer
TopIdlerBracketB
SideCoverBracket
TopSideCoverBracket
SyringeBearingInsertsOffset
SyringBearingInsertStraight

1	CarriageScrewHolder1-
6	DoorTrack
1	SwitchMount
1	SyringeMotorMount

Software

OpenESpin Firmware