# of PrintShifts to build	1															
Part	Туре	Notes	Quantity Needed	Per-Machine Price	Pack Quantity	Pack Price	Price Per Part	Packs Needed	extra part quantit	t Purchase Price	Purchase Link					
Conveyor Belt Hardware																
Shaft collar	8mm	For front of drive roller	1	\$0.90	10		\$0.90	1	9	\$8.99	https://smile.am	azon.com/gp/product/B07V	41FRZS/ref=ppx_yo_d	b asin title o00	s01?ie=UTF8&psc=1	L
8mm shaft, 210mm	hardened steel	drive roller - cut into 183mm	1	\$7.20	2	\$14.39	\$7.20	1	1	\$14.39	https://smile.am	azon.com/Linear-Motion-FE	YRINX-Hardened-Prin	ter/dp/B085DQYQY	'H/ref=sr 1 1 sspa?	dchild=1&keyw
8mm shaft, 183mm	hardened steel	idler - cut down from the 400	0	\$0.00	2	\$14.39	\$7.20	0	0	\$0.00)					
flanged bushings	8mm	drive roller guides	2	\$6.88	1	\$3.44	\$3.44	2	0	\$6.88	https://www.mcr	naster.com/5448T2/				
M3 Hex Standoffs, 10mm long	4.5 or 5mm hex	lift the bed up	6	\$6.30	1	\$1.05	\$1.05	6	0	\$6.30	https://www.mcr	naster.com/94868A166/				
M3 screw, 8mm	flat head	replace the bed screws - ea	9	\$1.64	50	\$9.10	\$0.18	1	41	\$9.10	https://www.mcr	naster.com/91304A101/				
M5 screws, 25mm	button head	tension the idler	2	\$0.31	50	\$7.86	\$0.16	1	48	\$7.86	https://www.mcr	naster.com/91306A669/				
M5 nuts	hex	tension the idler	2	\$0.04	100	\$1.76	\$0.02	1	98	\$1.76	https://www.mcr	naster.com/90592A095/				
Ejector Hardware																
F608ZZ flanged ball bearings	8x22x7		2	\$2.74	10			1	-	7.0.00		azon.com/gp/product/B07N				
flexible shaft coupling	8mm to 8mm	Link the belt and the motor	1	\$6.50	2							azon.com/gp/product/B08Q				
40T GT2 pulley		Attach to belt	1	\$4.00	2							azon.com/gp/product/B07K				
20T GT2 pulley		Attach to motor	1	\$1.60	5					*****		azon.com/gp/product/B08P				
GT2 continuous belt		connect the pulleys	1	\$1.19	10					¥		azon.com/gp/product/B014				1
24v motor		ejector motor	1	\$13.99	1	\$13.99						azon.com/gp/product/B08F	BBXZ67/ref=ppx_yo_dt	b_search_asin_tit	le?ie=UTF8&psc=1	
8mm dowel pin	40mm long	ejector drive shaft	1	\$0.96	10	\$9.60	\$0.96	1			https://www.mcr	naster.com/91595A573/				
M3 screws, 12mm	socket head	Mount the motor	2	\$0.10	100	\$5.19	\$0.05	1	98	\$5.19	https://www.mcr	naster.com/91292A114/				
M5 screws, 100mm	socket head	Rear standoff for the motor a	2	\$1.53	10	\$7.66	\$0.77	1			https://www.mcr	naster.com/91502A159/				
M3 screws, 30mm	socket head	mount the switch	2	\$0.42	50	\$10.51	\$0.21	1	48	\$10.51	https://www.mcr	naster.com/91290A130/				
3030 T-Nuts, M3	post-assembly	mount the switch	2	\$0.46	50	\$11.57	\$0.23	1	48	\$11.57	https://smile.am	azon.com/gp/product/B07G	VJFZV8/ref=ppx_yo_d	b search asin tit	le?ie=UTF8&psc=1	
SV-166-1C25 microswitch	long hinge roller	ejector activator	1	\$0.55	20	\$10.99	\$0.55	1	19	\$10.99	https://smile.am	azon.com/SV-166-1C25-Inc	lustrial-Switches-Termin	nals-Momentary/dp.	/B087PLT9MD/ref=sr	1 2 sspa?dch
Ring Terminal	M3, 22-16AWG wi	power the ejector	1	\$0.07	150	\$9.99	\$0.07	1	149	\$9.99	https://smile.am	azon.com/smseace-Insulate	ed-Electrical-Connector	s-Assortment/dp/B0	08B5VS8ZR/ref=sr_1	3?dchild=1&ke
Spade connectors	22-16AWG	wire in the switch	2	\$0.50	80	\$19.98	\$0.25	1	78	\$19.98	https://smile.am	azon.com/gp/product/B07G	P96LSS/ref=ppx_yo_d	t_b_search_asin_in	nage?ie=UTF8&psc=	<u>-1</u>
Wire Nuts	gray, 2*22awg tern	wire up the switch	2	\$0.04	1000	\$17.99	\$0.02	1	998	\$17.99	https://smile.am	azon.com/Maxxima-Electric	al-Connector-Screw-Te	rminal/dp/B07ZP8k	(8GJ/ref=sr_1_18?do	child=1&keywor
22awg wire	Need about 2 meter	wire it all up	0.5	\$1.41	6	\$16.95	\$2.83	1	5.5	\$16.95	https://smile.am	azon.com/gp/product/B07T	4SYVYG/ref=ppx_yo_d	t b search asin ti	tle?ie=UTF8&psc=1	
Optional Parts																
Collection Tray			1	\$2.66	3	\$7.99	\$2.66	1	2	\$7.99	https://smile.am	azon.com/qp/product/B086	X2YM9Q/ref=npx_vo_d	t b asin title o05	s01?ie=UTF8&psc=	1
Buck Converter Module	USB-C	power the Raspberry Pi	1	\$14.99	1				0			azon.com/gp/product/B07Z			-	
USB->MicroUSB cable		connect pi to the prusa mini	1	\$7.99	1	\$7.99						azon.com/qp/product/B07P				_
Pi Camera Cable		connect up pi camera	1	\$1.33	6				5			nazon.com/gp/product/B08WLQBB93/ref=ppx_yo_dt_b_asin_title_o04_s00?ie=UTF8&th=1				
Arducam		cheaper Pi Camera	1	\$9.99	1							azon.com/gp/product/B012				
Raspberry Pi 4		No need for more ram, but I	1	\$34.99	1				0			rocenter.com/product/62143				
2.5mm screws, 35mm long	socket head	THE HEED TO THIS I CHAIN, BULL	3	\$1.44	25				-	40		naster.com/91292A313/	ondoppony pri i mode	r b Ego dar i		
2.5mm nuts	hex		3	\$0.22	50							naster.com/94150A310/				
TOTAL PRICE		Per Machine, perfect:		\$132.93						\$343.90						
		Per Machine, in quantity:		\$343.90												
		Total for	1	\$343.90												
Price without Optional Parts		Per Machine, perfect:		\$59.31												
The without Optional Farts		Per Machine, in quantity:		\$244.24												
		Total for	1	\$244.24												
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