

of PrintShifts to build Part	Type	Notes	Quantity Needed	Per-Machine Price	Pack Quantity	Pack Price	Price Per Part	Packs Needed	extra part quantit	Purchase Price	Purchase Link
Conveyor Belt Hardware											
Shaft collar	8mm	For front of drive roller	1	\$0.90	10	\$8.99	\$0.90	1	9	\$8.99	https://smile.amazon.com/gp/product/B07V41FRZS/ref=ppx_vo_dt_b_asin_title_o00_s01?ie=UTF8&psc=1
8mm shaft, 210mm	hardened steel	drive roller - cut into 183mm	1	\$7.20	2	\$14.39	\$7.20	1	1	\$14.39	https://smile.amazon.com/Linear-Motion-FEYRINX-Hardened-Printer/dp/B085DQYQYH/ref=rsr_1_1_sspa?dchild=1&keywords=linear+motion+printer&pf_rd_p=80000000-0000-4000-8000-000000000000&pf_rd_r=80000000-0000-4000-8000-000000000000
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.mcmaster.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.mcmaster.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.mcmaster.com/91304A101/
M5 screws, 25mm	button head	tension the idler	2	\$0.31	50	\$7.86	\$0.16	1	48	\$7.86	https://www.mcmaster.com/91306A669/
M5 nuts	hex	tension the idler	2	\$0.04	100	\$1.76	\$0.02	1	98	\$1.76	https://www.mcmaster.com/90592A095/
Ejector Hardware											
F08ZZ flanged ball bearings	8x22x7		2	\$2.74	10	\$13.69	\$1.37	1	8	\$13.69	https://smile.amazon.com/gp/product/B07N62N7N2/ref=ppx_vo_dt_b_asin_title_o00_s00?ie=UTF8&psc=1
flexible shaft coupling	8mm to 8mm	Link the belt and the motor	1	\$6.50	2	\$12.99	\$6.50	1	1	\$12.99	https://smile.amazon.com/gp/product/B08QVKMDC6/ref=ppx_vo_dt_b_asin_title_o00_s01?ie=UTF8&psc=1
40T GT2 pulley	8mm bore	Attach to belt	1	\$4.00	2	\$7.99	\$4.00	1	1	\$7.99	https://smile.amazon.com/gp/product/B07K6BRL4K/ref=ppx_vo_dt_b_asin_title_o00_s01?ie=UTF8&psc=1
20T GT2 pulley	6mm bore	Attach to motor	1	\$1.60	5	\$7.99	\$1.60	1	4	\$7.99	https://smile.amazon.com/gp/product/B08P8KY773/ref=ppx_vo_dt_b_asin_title_o08_s00?ie=UTF8&psc=1
GT2 continuous belt	79 teeth	connect the pulleys	1	\$1.19	10	\$11.88	\$1.19	1	9	\$11.88	https://smile.amazon.com/gp/product/B014QKEH26/ref=ppx_vo_dt_b_asin_title_o07_s00?ie=UTF8&psc=1
24v motor	20RPM	ejector motor	1	\$13.99	1	\$13.99	\$13.99	1	0	\$13.99	https://smile.amazon.com/gp/product/B08FBBXZ67/ref=ppx_vo_dt_b_search_asin_title?ie=UTF8&psc=1
8mm dowel pin	40mm long	ejector drive shaft	1	\$0.96	10	\$9.60	\$0.96	1	9	\$9.60	https://www.mcmaster.com/91595A573/
M3 screws, 12mm	socket head	Mount the motor	2	\$0.10	100	\$5.19	\$0.05	1	98	\$5.19	https://www.mcmaster.com/91292A114/
M5 screws, 100mm	socket head	Rear standoff for the motor	2	\$1.53	10	\$7.66	\$0.77	1	8	\$7.66	https://www.mcmaster.com/91502A159/
M3 screws, 30mm	socket head	mount the switch	2	\$0.42	50	\$10.51	\$0.21	1	48	\$10.51	https://www.mcmaster.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.amazon.com/gp/product/B07GVJFZV8/ref=ppx_vo_dt_b_search_asin_title?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.amazon.com/SV-166-1C25-Industrial-Switches-Terminals-Momentary/dp/B087PLT9MD/ref=rsr_1_2_sspa?dchild=1&keywords=switch&pf_rd_p=80000000-0000-4000-8000-000000000000&pf_rd_r=80000000-0000-4000-8000-000000000000
Ring Terminal	M3, 22-16AWG wire	power the ejector	1	\$0.07	150	\$9.99	\$0.07	1	149	\$9.99	https://smile.amazon.com/smspace-Insulated-Electrical-Connectors-Assortment/dp/B08B5VS8ZR/ref=rsr_1_3?dchild=1&amp