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Dan's \$
BOM

Qty	P/N	Detail	Description	Supplier	Price (each)	Total	Note
Spindle							
1	232047	DC	motor	Jameco	2.75	2.75	
1	S5147Y-G50-7	0.1248", 0.2498"	coupling	SDPSI	10.66	10.66	
2	57155K388	Mini HI-Precision SS Ball Bearing - ABEC-5 Dbl Shielded, Extended Inner Ring, 1/4" ID, 5/8" OD	bearings	McMaster	4.41	8.82	
1	A 7X 1-08017	0.2497", 1.75"	shaft	SDPSI	2.41	2.41	
1	2868T17	SAE 863 Bronze Sleeve Bearing for 5/8" Shaft Diameter, 3/4" OD, 1" Length	bearing bushing	McMaster	0.93	0.93	
1	9414T6	Black-Oxide Steel Set Screw Shaft Collar 1/4" Bore, 1/2" Outside Diameter, 9/32" Width	collar	McMaster	0.58	0.58	
1			tubing coupler		0	0	
1	94639A189	Nylon Unthreaded Round Spacer 1/4" OD, 5/16" Length, #2 Screw Size	spacer	McMaster	0.08	0.08	
1		1/8"	end mill	McMaster	10	10	
						0	
Linear							
3	4218L-01D-02	78 oz-in LinEngineering	X,Y,Z stepper	Alltronics	11.95	35.85	
4	6061K43	Hardened Precision Steel Shaft 1/2" Diameter, 18" Length	X,Y shafts	McMaster	9	36	
2	6061K102	Hardened Precision Steel Shaft 3/8" Diameter, 8" Length	Z shaft	McMaster	3.9	7.8	

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1 98935A817	Plain Steel General Purpose Acme Threaded Rod Right Hand, 3/8"-12 Acme Size, 3' Length	X,Y,Z lead screw	McMaster	5	5
8 2868T9	SAE 863 Bronze Sleeve Bearing for 1/2" Shaft Diameter, 5/8" OD, 1/2" Length	X,Y bearings	McMaster	0.65	5.2
4 2938T6	SAE 863 Flanged-Sleeve Bearing for 3/8" Shaft Dia, 1/2" OD X1/4" L X11/16" Flange OD	Z bearings	McMaster	0.71	2.84
3 95155A111	Brass General Purpose Acme Hex Nut Right-Hand, 3/8"-12 Acme Size	X,Y,Z nuts	McMaster	4.75	14.25
					0
Hardware					0
		4-40 socket head hex screws, 1/2" length			0
		4-40 square nuts			0
		M3 pan head screws (for steppers)			0
					0
					0
		Grand Total			143.17