

PART #	ITEM DESCRIPTION	SPECIFICATIONS	QTY [1]	ORDERING [2 3 4 5]	PRICE EA [1 2 3 4 5]	SUPPLIER SHIPPING [2 3 4 5]	MOQ SUPPLIER	SUPPLIER PRICE	USAGE PRICE	LEAD TIMES	PREFERRED VENDORS	PREFERRED PART #	NOTES
1	MDF BOARD	16X10X0.5"	1,185		\$1.11								
2	POWER SUPPLY	12V 5A	1		\$8.99								eBay
3	VOLTAGE REGULATOR	12V	1		\$3.83								eBay
4	GEARMOTOR 30 RPM	12V	1		\$12.95								<a href="http://www">http://www</a>
5	GEARMOTOR 100 RPM	12V	1		\$12.95								<a href="http://www">http://www</a>
6	RELAY DPDT	12V	1		\$19.20								<a href="http://www">http://www</a>
7	LIMIT SWIT W/ WIRE	12V	2		\$8.39								<a href="http://www">http://www</a>
8	SWITCH OFF ON	110V	1		\$1.50								<a href="http://www">http://www</a>
9	LATEX RUBBER TIRE	1/2" ID	4		\$0.50								fishink
10	WOOD DOWEL BIRCH	3/8"	1		\$0.25								
11	BEARINGS	4X13X5mm	8		\$1.28								<a href="http://www">http://www</a>
12	M3 SHCS	8mm	4		\$0.15								
13	M3 WASHER		4		\$0.03								
13A	M4 WASHER		4		\$0.03								
14	M4 SHCS	65mm	1		\$0.75								I got this
15	M4 SHCS	50mm	1		\$0.45								
16	M4 SHCS	30mm	2		\$0.23								
17	M4 NLOCK NUT	4mm	2		\$0.11								
18	M4 BRASS HEAT INSERT	3mm	3		\$0.13								Used in t
19	SCREW #4	1/2"	4		\$0.05								
20	SCREW #6	5/8"	14		\$0.05								
21	ELECTRICAL WIRE	22ga	1	<a href="https://amile.f">https://amile.f</a>	\$5.00								
22	WIRE CONNECTORS	22ga	1	<a href="https://amile.amaz">https://amile.amaz</a>	\$2.00								
23	CORD CLAMP		3		\$0.10								
24	TTT		1		\$2.00								
25	PRINTED PARTS 12 EA	3mm	60000		\$0.00								
37	ABS SOLVENT CEMENT		0.25		\$2.00								
38	RUBBER BANDS		2		\$0.02								

\$84.05

BOM		Lyman Filament Spool Winder V3		(per pg 11 of Construction Manual)					
PART #	DESCRIPTION	SIZE	UNIT	QTY	FOB UNIT PRICE	SUBTOTAL	SUPPLIER	SUPPLIER PART #	NOTES
1	MDF BOARD	16X10X0.5"	SQ FT	1.185	\$1.11	\$1.32	HOME DEPOT		
2	POWER SUPPLY	12V 5A	EA	1	\$8.99	\$8.99	eshoppixig		eBay
3	VOLTAGE REGULATOR	12V	EA	1	\$3.83	\$3.83	whitesibrgn		eBay
4	GEARMOTOR 30 RPM	12V	EA	1	\$12.95	\$12.95	MJPA	32204 MD	<a href="http://www.mpja.com/">http://www.mpja.com/</a>
5	GEARMOTOR 100 RPM	12V	EA	1	\$12.95	\$12.95	MJPA	32206 MD	<a href="http://www.mpja.com/">http://www.mpja.com/</a>
6	RELAY DPDT	12V	EA	1	\$19.20	\$19.20	AZATRAX	LARY-DC	<a href="http://www.azatrax.com/">http://www.azatrax.com/</a>
7	LIMIT SWT W/ WIRE	12V	EA	2	\$8.39	\$16.78	ADAFRUIT	820	<a href="http://www.adafruit.com/product/820">http://www.adafruit.com/product/820</a>
8	SWITCH OFF ON	110V	EA	1	\$1.50	\$1.50	HARDWARE STORE		
9	LATEX RUBBER TIRE	1/2" ID	IN	4	\$0.50	\$2.00	eBay		fishsinker823
10	WOOD DOWEL BIRCH	3/8"	FT	1	\$0.25	\$0.25	HARDWARE STORE		
11	BEARINGS	4X13X5mm	EA	8	\$1.28	\$10.24	VXB	KIT843	<a href="http://www.vxb.com">http://www.vxb.com</a>
12	M3 SHCS	8mm	EA	4	\$0.15	\$0.60	FASTENAL	11103296	
13	M3 WASHER		EA	4	\$0.03	\$0.12	FASTENAL		
13A	M4 WASHER		EA	4	\$0.03	\$0.12	FASTENAL	1140353	
14	M4 SHCS	65mm	EA	1	\$0.75	\$0.75	FASTENAL	unknown	I got this at the local Fastenal store
15	M4 SHCS	50mm	EA	1	\$0.45	\$0.45	FASTENAL	11103319	
16	M4 SHCS	30mm	EA	2	\$0.23	\$0.46	FASTENAL	11103315	
17	M4 NLOCK NUT	4mm	EA	2	\$0.11	\$0.22	FASTENAL	40147	
18	M4 BRASS HEAT INSERT	3mm	EA	3	\$0.13	\$0.39	McMASTER CARR	94180A331	Used in the feed roller coupler
19	SCREW #4	1/2"	EA	4	\$0.05	\$0.20	HARDWARE STORE		
20	SCREW #6	5/8"	EA	14	\$0.05	\$0.70	HARDWARE STORE		
21	ELECTRICAL WIRE		LOT	1	\$5.00	\$5.00	YOUR CHOICE		
22	WIRE CONNECTORS		LOT	1	\$2.00	\$2.00	YOUR CHOICE		
23	CORD CLAMP		EA	3	\$0.10	\$0.30	YOUR CHOICE		
24	TTT		LOT	1	\$2.00	\$2.00	YOUR CHOICE		
25	PRINTED PARTS 12 EA	3mm	mm	60000	\$0.00	\$2.40	PELLETS	PRINTED	
37	ABS SOLVENT CEMENT		oz	0.25	\$2.00	\$0.50	eBay		
38	RUBBER BANDS			2	\$0.02	\$0.04	ON HAND		
	SUBTOTAL COST					\$106.26			
	ESTIMATED FRT IN		@	10%		\$10.63	Some items may include shipping		
	TOTAL COST					\$116.88			

[1] double check Quantities

[2] redo Lymans prices

[3] To 64469 zip code, central USA (Missouri location), assuming enough parts for 12 machine builds as the nominal working quantity

[4] To 64469 zip code, central USA (Missouri location), assuming enough parts for 12 machine builds as the nominal working quantity

[5] Includes shipping. Take the preferred supplier. Take price at MOQ. Assuming that MOQ is typically > Quantity Used for the on-demand production scenario, this implies keeping stock, and usage price should always be lower. Thus, this system works out at the quantity of a minimum of 12 items produced.

[6] Defined as  $(\text{QUANTITY USED}/\text{MOQ}) * \text{PRICE}$