

Item	Description	Quantity	Unit Cost	Total Cost	Projected Cost	Item Number	Source	Link
3.5-in Fans	Cooling Motor	2	\$5.09	\$10.18	\$10.18	17545K63	McMaster-Carr	<a href="https://www.mcmaster.com/catalog/130/759/17545K66">https://www.mcmaster.com/catalog/130/759/17545K66</a>
Peltier Device	Generate Power, Heating & Cooling	4	N/A	N/A	\$86.08	9383N16	McMaster-Carr	<a href="https://www.mcmaster.com/products/peltier-coolers/thermoelectric-modules-/">https://www.mcmaster.com/products/peltier-coolers/thermoelectric-modules-/</a>
Heat Sinks	Cooling Peltier	4	\$12.66	\$50.64	\$50.64	8622T949	McMaster-Carr	<a href="https://www.mcmaster.com/products/heat-sinks/adhesive-mount-heat-sinks/">https://www.mcmaster.com/products/heat-sinks/adhesive-mount-heat-sinks/</a>
Wood	Frame of Turntable	1in.x12in.x4ft.	N/A	N/A	\$8.62	458503	Home Depot	<a href="https://www.homedepot.com/p/1-in-x-12-in-x-4-ft-Fine-Common-Board-458503/100322335">https://www.homedepot.com/p/1-in-x-12-in-x-4-ft-Fine-Common-Board-458503/100322335</a>
Arduino Controller	Control Machine	1	N/A	N/A	\$44.99	B01D8KOZF4	Amazon	<a href="https://www.amazon.com/ELEGOO-Project-Tutorial-Controller-Projects/dp/B01D8KOZF4/ref=sasc_df_B01D8KOZF4/?hvadid=693369603351&amp;hvdev=c&amp;hvdmcd=&amp;hvcont=&amp;hvlocint=&amp;hvlocphy=9017070&amp;hynetw=g&amp;hypos=&amp;hypos=&amp;hyptwo=&amp;hyqm=&amp;hvrand=15736693264625635655&amp;hvtagid=rsia-406302474425&amp;linkCode=df0">https://www.amazon.com/ELEGOO-Project-Tutorial-Controller-Projects/dp/B01D8KOZF4/ref=sasc_df_B01D8KOZF4/?hvadid=693369603351&amp;hvdev=c&amp;hvdmcd=&amp;hvcont=&amp;hvlocint=&amp;hvlocphy=9017070&amp;hynetw=g&amp;hypos=&amp;hypos=&amp;hyptwo=&amp;hyqm=&amp;hvrand=15736693264625635655&amp;hvtagid=rsia-406302474425&amp;linkCode=df0</a>
Motor Controller	Operate Motor	1	\$15.95	\$15.95	\$15.95	2133	Pololu	<a href="https://www.pololu.com/product/2133">https://www.pololu.com/product/2133</a>
Stepper Motor	Provide Energy	1	N/A	N/A	\$11.00	17HS4401	Alibaba	<a href="https://www.alibaba.com/product-detail/HANPOSE-17hs4401-1-5A-40N-cm_62449855684.html">https://www.alibaba.com/product-detail/HANPOSE-17hs4401-1-5A-40N-cm_62449855684.html</a>
Assorted Wires	Transfer Electricity	Unknown	N/A	N/A	\$5.97	B0BRTJXND9	Amazon	<a href="https://www.amazon.com/California-JOS-Breadboard-Optional-Multicolored-dp/B0BRTJXND9/ref=sasc_df_B0BRTJXND9/?tag=hyprod-20&amp;linkCode=df0&amp;hvadid=693470127118&amp;hypos=&amp;hynetw=g&amp;hyrand=16360267780944304514&amp;hypos=&amp;hyptwo=&amp;hyqm=&amp;hvdev=c&amp;hvdmcd=&amp;hvlocint=&amp;hvlocphy=901706584">https://www.amazon.com/California-JOS-Breadboard-Optional-Multicolored-dp/B0BRTJXND9/ref=sasc_df_B0BRTJXND9/?tag=hyprod-20&amp;linkCode=df0&amp;hvadid=693470127118&amp;hypos=&amp;hynetw=g&amp;hyrand=16360267780944304514&amp;hypos=&amp;hyptwo=&amp;hyqm=&amp;hvdev=c&amp;hvdmcd=&amp;hvlocint=&amp;hvlocphy=901706584</a>
Assorted Foam Roll	Insulation	6in.x550ft.	N/A	N/A	\$23	S-2601	ULINE	<a href="https://www.uline.com/BL_855/Uline-Non-Perforated-Foam-Rolls">https://www.uline.com/BL_855/Uline-Non-Perforated-Foam-Rolls</a>
Silicon Seal	Seal	4	\$5.85	\$23.40	\$14.72	62614	US Plastics Co.	<a href="https://www.usplastic.com/catalog/item.aspx?itemc=150353&amp;catid=1427">https://www.usplastic.com/catalog/item.aspx?itemc=150353&amp;catid=1427</a>
Rfid	Sensor	1	N/A	N/A	\$10	CN0460	Surfround	<a href="https://www.surfround.com/products/rfid-30-tag">https://www.surfround.com/products/rfid-30-tag</a>
Fridges	Take Peltier Components	2	\$30	\$90	\$60	N/A	Marketplace	<a href="https://www.facebook.com/marketplace/item/2382967205407606/?referralSurface=messenger_lightspeed_banner&amp;referralCode=messenger_banner">https://www.facebook.com/marketplace/item/2382967205407606/?referralSurface=messenger_lightspeed_banner&amp;referralCode=messenger_banner</a>
Thermalpaste	Glue High Temp Materials	1	\$12.19	\$12.19	\$12.19	3719N11	McMaster-Carr	<a href="https://www.mcmaster.com/catalog/130/419/3719N11">https://www.mcmaster.com/catalog/130/419/3719N11</a>
Thermal Cutoff Switch	Turn off Heating Element	1	\$24.59	\$24.59	\$24.59	3419N12	McMaster-Carr	<a href="https://www.mcmaster.com/catalog/130/1169/3419N12">https://www.mcmaster.com/catalog/130/1169/3419N12</a>
V-Belt	Run Turntable	1	\$9.75	\$9.75	\$9.75	6191K16	McMaster-Carr	<a href="https://www.mcmaster.com/products/belts/v-belts-2-v-belts-8/">https://www.mcmaster.com/products/belts/v-belts-2-v-belts-8/</a>
V-Belt Pulley	Run Turntable	1	\$7.14	\$7.14	\$7.14	6245K312	McMaster-Carr	<a href="https://www.mcmaster.com/products/belts/chain-and-belt-pulleys-v-belt-pulleys-8/">https://www.mcmaster.com/products/belts/chain-and-belt-pulleys-v-belt-pulleys-8/</a>
V-Belt Pulley	Run Turntable	1	\$9.14	\$9.14	\$9.14	6245K314	McMaster-Carr	<a href="https://www.mcmaster.com/products/belts/chain-and-belt-pulleys-v-belt-pulleys-8/">https://www.mcmaster.com/products/belts/chain-and-belt-pulleys-v-belt-pulleys-8/</a>
Dry-wall Insulation	Insulation	1in.x4ft.x8ft.	N/A	N/A	\$27.48	20WENGX	Home Depot	<a href="https://www.homedepot.com/p/Daems-Coming-FORMULAR-NGX-F-150-1-in-x-4-ft-x-8-ft-SSF-R-5-XPS-Rigid-Foam-Board-Insulation-20WENGX/315197840">https://www.homedepot.com/p/Daems-Coming-FORMULAR-NGX-F-150-1-in-x-4-ft-x-8-ft-SSF-R-5-XPS-Rigid-Foam-Board-Insulation-20WENGX/315197840</a>
Spray foam Insulation	Insulation	16 sq. ft.	N/A	N/A	\$8.40	8551K12	McMaster-Carr	<a href="https://www.mcmaster.com/catalog/130/4049/8551K12">https://www.mcmaster.com/catalog/130/4049/8551K12</a>
Items marked N/A are already owned, or being recycled from prior projects.				\$222.90	\$439.74			