

Projected budget		
Item	Cost	Quantity
PVA material	39.99	1 roll
PLA material	14.94	1 roll
1/8"IDx3/16"OD Tubing	7.26	25 ft
1/4"IDx3/8"OD Tubing	3.28	10 ft
Vial of particles color #1	200	1 vial
Vial of particles Color #2	200	1 vial
Bambu Lab H2D 3D printer + Accessories	2533.25	1 Printer
Vacuum Chamber	100	1 Chamber
Liquasil clear silicone	196.25	5.5 kg
Projected Total:	3294.97	Actual Total:
Remaining Budget:	-294.97	Remaining Total:

PVA material
PLA material
1/8"IDx3/16"OD Tubing
1/4"IDx3/8"OD Tubing
Vial of particles color #1
Vial of particles Color #2
Liquasil clear silicone

Part	Part Number	Quantity
PVA 3D printing material	N/A	1
PLA 3D printing material	N/A	1
1/8"IDx3/16"OD Tubing	N/A	25 ft
1/4"IDx3/8"OD Tubing	N/A	10 ft
Stopcocks	N/A	49
Vial of particles color #1	N/A	1
Vial of particles color #2	N/A	1
Cardiovascular Waveform Pump	N/A	1
Liquasil clear silicone	N/A	5.5 kg
Mount for Lens	N/A	1
Breadboard	M45B612	1
Laser	NPL52C	1
Function Generator	9520	1
Camera	CR21-1.0-32M-FNL	1
Cylindrical Lens	LG1629L1-A	1

Articulating Arm Base	1530N11	2
Articulating Arm Connector	1530N12	2
Articulating Arm Links	1530N15	1
Articulating Arm Links	1530N16	1
Articulating Arm Mount Plate	1530N24	1
Articulating Arm Locking Levers	1530N14	2
Safety Shroud	N/A	1
Lens for Camera		1
Camera Filter		1

Purchased?	
Yes	<a href="https://www.amazon.com/Filament-Soluble-Support-Printer-Printers/dp/B00DRKXVF6">https://www.amazon.com/Filament-Soluble-Support-Printer-Printers/dp/B00DRKXVF6</a>
Yes	<a href="https://us.store.bambulab.com/products/pla-basic-filament?id=410782746">https://us.store.bambulab.com/products/pla-basic-filament?id=410782746</a>
No	<a href="https://www.usplastic.com/catalog/item.aspx?itemid=85089&amp;v1=&amp;v7=&amp;ga">https://www.usplastic.com/catalog/item.aspx?itemid=85089&amp;v1=&amp;v7=&amp;ga</a>
No	<a href="https://www.amazon.com/I-D-D-PVC-Vinyl-Tubing/dp/B00DRKXVF6">https://www.amazon.com/I-D-D-PVC-Vinyl-Tubing/dp/B00DRKXVF6</a>
No	<a href="https://www.cospheric.com/particles_for_flow_visualization_PIV/density_">https://www.cospheric.com/particles_for_flow_visualization_PIV/density_</a>
No	<a href="https://www.cospheric.com/particles_for_flow_visualization_PIV/density_">https://www.cospheric.com/particles_for_flow_visualization_PIV/density_</a>
Yes	
No	
No	
2588.18	
411.82	

<https://www.castaldo.com/castaldo-liquasil-clear-rtv-rubber-2/>

Vendor	Manufacturer	Manufactured or Purchased	Lead Time
Bambu	Bambu	Purchased	1 week
Bambu	Bambu	Purchased	1 week
Home Depot	Home depot	Purchased	1 day
Home Depot	Home depot	Purchased	1 day
Qosina	Cosina	Purchased	1 week
Cospheric	Cospheric	Purchased	1 week
Cospheric	Cospheric	Purchased	1 week
Harvard	Harvard	Purchased	N/A
Castaldo	Castaldo	Purchased	1 week
N/A	N/A	Purchased	N/A
ThorLabs	ThorLabs	Purchased	N/A
ThorLabs	ThorLabs	Purchased	N/A
Quantum Composers	Quantum Composers	Purchased	N/A
TBD	TBD	Purchased	Up to 4 weeks
ThorLabs	ThorLabs	Purchased	N/A

McMaster Carr	McMaster Carr	Purchased	1 Week
McMaster Carr	McMaster Carr	Purchased	1 Week
McMaster Carr	McMaster Carr	Purchased	1 Week
McMaster Carr	McMaster Carr	Purchased	1 Week
McMaster Carr	McMaster Carr	Purchased	1 Week
McMaster Carr	McMaster Carr	Purchased	1 Week
N/A	Chris	Manufactured	1 Day
		Purchased	
		Purchased	

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Part Material	Manufacturer Location	Part Status	Price
PVA	N/A	Purchased	\$39.99
PLA	N/A	Purchased	\$14.99
PVC	N/A	To be Purchased	\$7.26
PVC	N/A	To be Purchased	\$3.28
N/A	N/A	Donated	\$1.87
N/A	N/A	To be Purchased	\$200
N/A	N/A	To be Purchased	\$200
N/A	N/A	Donated	N/A
Silicone	N/A	Donated	\$196.25
N/A	N/A	Purchased	\$ 167.73
N/A	N/A	Donated	\$0.00
N/A	N/A	Purchased	\$2,186.92
N/A	N/A	Purchased	\$3,870.00
N/A	N/A	Purchased	\$8,032.00
N/A	N/A	Purchased	\$138.57

N/A	N/A	Purchased	\$42.83
N/A	N/A	Purchased	\$48.68
N/A	N/A	Purchased	\$24.04
N/A	N/A	Purchased	\$27.45
N/A	N/A	Purchased	\$35.22
N/A	N/A	Purchased	\$25.63
VeroCyan	BDL	To be manufactured	\$0.00
N/A	N/A	To be Purchased	\$400.00
N/A	N/A	To be Purchased	\$300.00

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