Sub-System	Item #	Part Name	Description	Unit Price	Quantity	Price	Link
Control Box	1	Jetson AGX Orin	NVIDIA Jetson AGX Orin Developer Kit	$ 2,000.00	1	$ 2,000.00	Amazon.com: NVIDIA Jetson AGX Orin Developer Kit : Electronics
	2	SSD	NVMe M.2 2280, Internal Solid State Drive	$ 74.15	1	$ 74.15	SAMSUNG 980 SSD 1TB PCIe 3.0x4, NVMe M.2 2280
	3	Cable Connector	IDC20 2x10 Pins Male Header Breakout Board Terminal Block Connector	$ 16.99	1	$ 16.99	Amazon.com: Sysly IDC20 2x10 Pins Male Header Breakout Board
	4	Screw Spacers	160 Pcs/Lot M2.5 Series Hex Brass Spacer/Standoff + Nuts + Screws	$ 12.29	1	$ 12.29	HanTof Raspberry Pi Installation Tool 160 Pcs/Lot M2.5 Series Hex
	5	Current Driver	HiLetgo BTS7960 43A High Power Motor Driver Module/Smart Car Driver Module for Arduino Current Limit	$ 10.99	6	$ 65.94	Amazon.com: HiLetgo BTS7960 43A High Power Motor Driver
	6	Hall Effect Sensor ADC	HiLetgo 3pcs ADS1115 16 Bit 16 Byte 4 Channel I2C IIC Analog-to-Digital ADC	$ 15.99	1	$ 15.99	Amazon.com: HiLetgo 3pcs ADS1115 16 Bit 16 Byte 4 Channel I2C
	7	Acoustic Module	HiLetgo DDS AD9850 Signal Generator Module 0-40MHz	$ 20.99	1	$ 20.99	HiLetgo DDS AD9850 Signal Generator Module 0-40MHz
	8	Power Supply	Talentcell Rechargeable 12V 6000mAh/5V 12000mAh DC Output Lithium ion Battery Pack	$ 39.99	1	$ 39.99	Amazon.com : Talentcell Rechargeable 12V 6000mAh/5V 12000mAh DC Output
	9	Arduino	ARDUINO MEGA 2560 REV3	$ 48.20	1	$ 48.20	Amazon.com: ARDUINO MEGA 2560 REV3 [A000067] : Electronics
	10	Arduino Screw Terminal Hat	Screw Terminal Block Breakout Shield Module for Arduino MEGA-2560 R3	$ 32.00	1	$ 32.00	Screw Terminal Block Breakout Shield Module for Arduino MEGA-2560 R3: Amazon.com
	11	Arduino to Jetson Connector	YCS basics Black 6 Inch USB 2.0 High Speed Printer/Scanner Right Angle Cable	$ 5.97	1	$ 5.97	YCS basics Black 6 Inch USB 2.0
	12	Wire	20AWG Stranded Wire Silicone Tinned Copper Wire 20 Gauge	$ 9.99	1	$ 9.99	20AWG Stranded Wire Silicone Tinned Copper Wire 20 Gauge
	13	Joystick Controller	EasySMX 2.4G Wireless Controller for PS3, PC Gamepads with Vibration Fire Button Range up to 10m	$ 29.99	1	$ 29.99	Wireless Gaming Controller
	14	Monitor for Jetons	KYY 4K Portable Monitor 15.6" 3840x2160 UHD USB-C Monitor, IPS Computer Gaming Display HDR	$ 279.99	1	$ 279.99	Amazon.com: KYY 4K Portable Monitor 15.6" 3840x2160 UHD USB-C Monitor
	15	Keyboard and Mouse	2.4GHz Wireless Vertical Ergonomic Mouse and Keyboard Combo Ultra-Thin Portable Size	$ 42.99	1	$ 42.99	Amazon.com: 2.4GHz Wireless Vertical Ergonomic Mouse and Keyboard
Custom Microscope	14	Microscope Camera	Blackfly S USB3. Model: BFS-U3-04S2C-C: 0.4 MP, 522 FPS, Sony IMX287, Color	$ 878.00	1	$ 878.00	Camera
	15	Camera C Mount Adapter	Microscope Adapter 0.5× C Mount Lens Adapter Set 23.2mm/30mm /30.5mm Ports	$ 26.52	1	$ 26.52	Camera Adapater
	16	Camera USB Cable	RIIEYOCA Micro B Hard Drive Cable,Short USB 3.0 Male to Micro B Male Cable, with Screw Locking	$ 9.99	1	$ 9.99	Camera USB Cable
	17	3D Translation Stage	LX30/M - Self-Contained XYZ 25 mm Translation Stage, M6 x 1.0 Taps	$ 1,662.81	1	$ 1,662.81	Thorlabs - LX30/M Self-Contained XYZ 25 mm Translation Stage, M6 x 1.0 Taps
Coil Systems	TBD						
						Total Price	$ 5,272.79