

Part	Purpose	Vendor	Cost	Quantity	Total Cost	Comments
BSM90N-375	Gantry Motor	Baldor	\$ 350.00	1	\$ 350.00	
2886T88	Heavy Casters	McMaster-Carr	\$ 137.00	4	\$ 548.00	
22665T620	Light Casters, support for	McMaster-Carr	\$ 28.43	4	\$ 113.72	
Floor Lifts	Leveling the machine	3D Content Central	Unknown	4		
Frictionless Bearing	Gantry Wheel	Kaydon	\$ 490.00	1	\$ 490.00	
1549A590	Hinges for animal bed	McMaster-Carr	\$ 5.95	2	\$ 11.90	
4" x 24" Carbon	Animal Bed	Dragon Plate	\$ 179.50	1	\$ 179.50	
SLS260*2000 HV	260kV, 7.7mA Power	Spellman	\$ 4,995.00	1	\$ 4,995.00	
	CT Xray Source <150kv	North Star Imaging	\$ 50,000.00	1	\$ 50,000.00	estimated
	RT Xray Source 250kv	North Star Imaging	\$ 75,000.00	1	\$ 75,000.00	estimated
	RT Tube Cooling System		\$ 10,000.00	1	\$ 10,000.00	estimated
504-22-9430	250kV High Voltage Cable	Okonite	\$ 100.00	2	\$ 200.00	
J6745-01	XRS-FOP Scintillator	Hamamatsu	\$ 2,000.00	2	\$ 4,000.00	
MT9M413C36STM	High Speed CCD Sensor	Aptina Imaging	\$ 1,000.63	15	\$ 15,009.45	
Easy-MCA 8k	Multi-Channel Analyzer	Ortec	\$ 1,000.00	1	\$ 1,000.00	
ATMEGA128-16AU	Microcontroller	Atmega	\$ 18.70	10	\$ 187.00	
H8500 PS	PMT*	Hamamatsu	\$ 2,500.00	32	\$ 80,000.00	
ADIT L13B03W	PMT*	Electron Tubes	\$ 300.00	32	\$ 9,600.00	
RLMG9x20	Laser Alignment Module	Instapark	\$ 4.88	10	\$ 48.80	
HS-45HB	MLC Collimator Motors	HiTech	\$ 15.99	64	\$ 1,023.36	
FA-200-TR-24-20"	Track Actuator for Animal Bed	Firgelli Automations	\$ 169.99	1	\$ 169.99	
FA-450-TR-24-10"	Track Actuator for X-Ray/CCD magnification	Firgelli Automations	\$ 209.99	4	\$ 839.96	
Custom Parts						
Machined Al	Octagonal housing	McMaster-Carr	\$ 252.51	1	\$ 252.51	
Steel structure, lead	Animal Bay	McMaster-Carr	\$ 550.00	1	\$ 550.00	
PC tube	Animal retainment	McMaster-Carr	\$ 48.44	1	\$ 48.44	
Steel stock, steel	support table	McMaster-Carr	\$ 300.00	1	\$ 300.00	
40 cm radius Al	Gantry	McMaster-Carr	\$ 108.36	1	\$ 108.36	
Steel gear teeth	Gantry	Unknown	Unknown	1		
Steel hollow tube	Support gantry wheel	McMaster-Carr	\$ 112.50	1	\$ 112.50	
Steel frame	Wheel stabilizers	McMaster-Carr	\$ 18.38	1	\$ 18.38	
Steel cylindrical	PET enclosure	McMaster-Carr	\$ 150.00	1	\$ 150.00	
10 cm radius steel	Gantry motor	McMaster-Carr	\$ 88.54	1	\$ 88.54	
	Computer/Viewing Station		\$ 3,000.00	1	\$ 3,000.00	
	MLC Collimator Leaves and				\$ -	
	Xray detector housing				\$ -	
	Lead shielding				\$ -	
TOTAL					\$ 178,395.41	

*Note that only one of the two PMT options is required. The lower price is reflected in the total cost.