

Rev #: 3							
Part	Cost	Unit	Qty	Total	Manufacturer	Website	Notes
Electrical Systems							
PC	\$ -	each	0	\$ -			Provided
USB Hub	\$ 49.74	each	1	\$ 49.74	McMaster	http://www.mcmaster.com	
DAQ	\$ -	each	0	\$ -	McMaster	http://www.mcmaster.com	Provided
Relay Board	\$ 399.00	each	1	\$ 399.00	Measurement Computing	http://www.measurementcomputing.com	
Relays	\$ 9.00	each	16	\$ 144.00	Measurement Computing	http://www.measurementcomputing.com	
Slide Potentiometers	\$ 2.08	each	4	\$ 8.32	Mouser	http://www.mouser.com	
Rotary Potentiometers	\$ 2.68	each	2	\$ 5.36	Mouser	http://www.mouser.com	
Wire	\$ 17.81	100ft.	1	\$ 17.81	McMaster	http://www.mcmaster.com	
Transformers	\$ 25.09	each	1	\$ 25.09	McMaster	http://www.mcmaster.com	
Solenoids	\$ 12.00	each	16	\$ 192.00	McMaster	http://www.mcmaster.com	
Mechanical Systems							
Aluminum Block	\$ 38.46	per foot	1	\$ 38.46	Online Metals	www.onlinemetals.com	2"x3" bar
Aluminum Extrusion							
Air Muscles (Commercial)							
Custom Air Muscles							
Pneumatic Tubing				??		http://www.wirecare.com	
Pneumatic Fittings				??		http://www.mcmaster.com	
Manifold	\$ 17.00	each	1	\$ 17.00	Roessel	http://www.roessel.com/	
Air Tanks			2	??			
Various Nuts & Bolts				\$ 25.00	McMaster	www.mcmaster.com	
Bearings	\$ 7.83	each	2	\$ 15.66	McMaster	www.mcmaster.com	
Flow Control Valves	\$3	each	8	\$24	Global Spec	http://www.globalspec.com	
			Total	<u>937.44</u>			
SolidWorks 2007	\$ -	each	1	\$ -	SolidWorks	www.solidworks.com/	Dr. L-K Has License
COSMOS Motion	\$ -	each	1	\$ -	SolidWorks	www.solidworks.com/	Dr. L-K Has License
Labview 8.6	\$ -	each	1	\$ -	National Instruments	www.ni.com/	RIT has license
NI Motion Assistant	\$ -	each	1	\$ -	National Instruments	www.ni.com/	RIT has license
Mechatronics Toolkit	\$ -	each	1	\$ -	National Instruments	www.ni.com/	Free