

Revision #: 2
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Risks and Contingencies

Risk	Level	Status/Contingency
No air muscles cannot meet specs	High	
Previous Generation's design for air muscles cannot be scaled up properly	Med	enhance design or find commercially available product
Air muscles cannot provide enough displacement	Med	change placement of muscles
Air muscles break/fail/rupture/explode during use	High	
Arm cannot support own weight	High	
Arm cannot support additional loads	Med	
Insufficient movement (range of motion)	Med	
Cannot achieve a degree of freedom (i.e. wrist rotation)	Low	
Cables fail	Low	
Model cannot render at pace with control system	Med-High	
Control system doesn't work	High	
Control system cannot achieve specified accuracy	Med	
Control system cannot interface with SolidWorks	High	
Control system cannot interface with prototype	Med	