

<b>Hazard</b>	<b>Cause</b>	<b>Probability</b>	<b>Severity</b>	<b>Mitigation</b>
Lacerations from propeller	Touching propeller while in operation	Low	High	Keep human appendages a safe distance away from objects moving at a high speed.
Burning skin	Motor overheats because it is running for too long and someone's skin touches it.  Soldering Iron	Moderate	Low	Do not run motors and equipment longer than necessary, and/or for longer than they are capable of running for. If it has been running for too long, turn it off and do not touch until it has cooled down.
Respiratory Problems	Inhaling soldering smoke	High	Moderate	Use fan
Eye-injury/Shrapnel	Plastic shards/other pieces thrown by spinning motor	Moderate	High	Wear eye protection, safety goggles, whenever in range of operating motor
Cutting skin	Standing on bare feet/bare skin coming into contact with sharp objects.	Low	Moderate	Wearing closed shoes at all times in lab
Broken bones and head injury	Tripping on equipment and falling over in a damaging way.	Low/moderate	High	Be aware of surroundings and avoid objects that could cause a person to become physically unstable.
Electric shock	Touching/Messing with the high current mains connection and Incorrect wiring of circuits and malfunctioning electrical devices.	Moderate	High	Double check wiring, keep higher power circuitry isolated, be informed/engaged with what is going on around you
Explosion injuries	Equipment overheats/malfunctions and explodes near humans.	Low	High	If a major malfunction of equipment is noticed, call campus health/111 and evacuate the building immediately.
Dehydration/General Nausea/Fatigue	Not leaving lab, not taking breaks, and/or not having a water bottle	High	Low	Consume adequate amounts of water and food, take breaks and leave the lab environment when needed.
Back Injury	Lifting heavy equipment	Moderate	High	When lifting heavy equipment, do this with sensible lifting processes (e.g. bend knees, 2nd person etc). Or roll it if it has wheels.