

Risk Assessment Summary Report/Print (landscape)



Reference	2474	Description of Space or Activity/Task or Equipment	Using Dremel to drill holes and cut out material from aluminium/steel as well as plastic. Also includes use of the Dremel with Pillar drill attachment								
Assessment Date	19/05/2023	Publish To Portal	Yes								
Assessor Name	Alex Newman	Risk Assessment Title	Using Dremel for drilling and cutting								
Assessment Team Members	Alex Newman, Gavin Morley, Ben breeze	Review Date	19/05/2024								
Role / Space / Project Reference		Current Risk Level (1=Very Low, 2=Low, 3=Moderate, 4=High, 5=Very High)	2								
Department	Use the search function above or double click here for org chart -> Academic Faculties -> Faculty of Science, Engineering and Medicine -> Research Technology Platforms - RTPs -> Spectroscopy Research Technology Platform - RTP	Final Risk Level (1=Very Low, 2=Low, 3=Moderate, 4=High, 5=Very High)	0								
Location Details	01.005.L01.062 Millburn House F55 Probe construction area	Risk Assessment Number	0								
Risk Assessment Category	Equipment	Additional Information									
Date Record Created	19/05/2023										
Hazard Type & Hazard Description	Who may be at Risk? & How May Person(s) Be Harmed	Existing Control Measures	L	S	R	Where current risk is M, H or VH, what additional Control Measures are required?			L	S	R
Manual Handling Trapping or object being dropped.	Staff Student Laboratory Worker Trapping of finger in pillar or entanglement in rotating Drill causing: Cuts Bruises	Admin - Awareness and technique training provided. Admin - Safe System of Work (SSoW) established and trained out. PPE - Make sure to keep any loose clothing (ties/sleeves) and long hair out of the moving parts. Long hair must be tied back.	Minor	Unlikely	Very Low						

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<p>Electricity Overheating / fire.</p>	<p>Staff Student Laboratory Worker Burns from overheating of the drill or the Material</p>	<p>Admin - Information, instruction, supervision & training. Admin - Good levels of housekeeping maintained with clean as you go policy in place. Eng/Admin - Equipment isolated when not in use and only accessible by competent person. Eliminate - Do not machine material that are assessed to be likely of combustion. List of approved/Prohibited materials attached</p>	<p>Serious</p>	<p>Possible</p>	<p>Low</p>				
<p>Electricity Contact with live electrics.</p>	<p>Staff Student Laboratory Worker Electric Shock</p>	<p>Substitute - Reduced voltage equipment used (110v or battery powered). Admin - Portable Appliance Testing (PAT) conducted as per regime.</p>	<p>Serious</p>	<p>Unlikely</p>	<p>Low</p>				
<p>Substances Skin exposure to hazardous substance. Inhalation exposure to hazardous substance. Eye exposure to hazardous substance.</p>	<p>Staff Student Laboratory Worker Dust from Drilling or Cutting may be breathed in or come into contact with Skin</p>	<p>Admin - Information, instruction, supervision & training. Admin - Good levels of housekeeping maintained with clean as you go policy in place. Eng/Admin - Equipment isolated when not in use and only accessible by competent person. PPE - Personal Protective Equipment (PPE) is issued and worn (Safety Goggles and suitable clothing to cover arms). Admin - General ventilation used.</p>	<p>Serious</p>	<p>Possible</p>	<p>Low</p>				

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<p>Equipment/Plant Ejection of materials or parts (Struck by).</p>	<p>Staff Student Laboratory Worker Flying debris from material being machined or part of the drill bit. Cuts to Skin Damage to eye Bruises</p>	<p>Admin - Information, instruction, supervision & training. Admin - Good levels of housekeeping maintained with clean as you go policy in place. Eng/Admin - Equipment isolated when not in use and only accessible by competent person.PPE - Personal Protective Equipment (PPE) is issued and worn (Safety Glasses must be worn).</p>	<p>Minor</p>	<p>Possible</p>	<p>Low</p>				
<p>Equipment/Plant Contact with equipment causing cuts, abrasion, bruising.</p>	<p>Staff Student Laboratory Worker Cuts to Skin</p>	<p>Admin - Information, instruction, supervision & training. Admin - Good levels of housekeeping maintained with clean as you go policy in place. Eng/Admin - Equipment isolated when not in use and only accessible by competent person. Admin - All users instructed to Keep Hands clear of moving parts. Admin - Eng - Equipment fixed securely (Drill will be attached to a pillar to stop potential slips of the drill into skin.)</p>	<p>Minor</p>	<p>Likely</p>	<p>Low</p>				
<p>Assessment Conclusion</p>		<p>Low Risk Activity.</p>							