

Risk Assessment Summary Report/Print (landscape)

Reference	2088	Description of Space or Activity/Task or Equipment	The use for the furnace for high temperature anneals of diamond samples with a nitrogen purge
Assessment Date	26/10/2022	Publish To Portal	No
Assessor Name	Ben Breeze	Risk Assessment Title	Elite TSH16/50/180 Furnace 01.005.L01.062 Millburn House F55 Probe construction area
Assessment Team Members		Review Date	26/10/2023
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)	2
Location Details	01.005.L01.062 Millburn House F55 Probe construction area	Not in use	0
Risk Assessment Category	Equipment	Additional Information	Users are responsible for having performed a risk assessment for their samples which must be logged at: https://warwick.ac.uk/research/rtp/spectroscopy/Safety/Sample When booking all users will provide a reference to the risk assessment for the sample used.
Date Record Created	26/10/2022		

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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
Equipment/Plant Broken Glassware/Ceramics	Contractor Laboratory Worker Staff Student Cuts	PPE - Personal Protective Equipment (PPE) is issued and worn (specify). Admin - Good levels of housekeeping maintained with clean as you go policy in place. Admin - Only trained, competent operators permitted to use the equipment. Admin - Correct bins available in the lab	Serious	Possible	Low		Serious	Possible	Low
Substances Contact or interaction with dangerous substances. Diamond Grit	Contractor Laboratory Worker Staff Student Irritation to eyes or skin	Admin - Refer to relevant COSHH Assessment (Diamond Grit). Admin - Storage in accordance with substance requirement. Admin - Specific substance training provided. PPE - Personal Protective Equipment (PPE) is issued and worn (Nitrile Gloves).	Major	Unlikely	Low		Major	Unlikely	Low
Work Environment Nitrogen gas leaks	Contractor Laboratory Worker Staff Student Asphyxiation	Eng - Oxygen depletion monitor are in place a regularly maintained Admin - Awareness training provided. Admin - Information, instruction, supervision & training. Eng - Adequate ventilation in place.	Major	Unlikely	Low		Major	Unlikely	Low
Work Environment Floor/ground conditions (obstructions).	Contractor Laboratory Worker Staff Student Trips	Admin - Awareness training provided. Admin - Good levels of housekeeping maintained with clean as you go policy in place.	Minor	Unlikely	Very Low		Minor	Unlikely	Very Low
Work Environment Dirty or Polluted working Area	Contractor Laboratory Worker Staff Student Contact with substances, Trips etc.	Admin - Awareness training provided. Admin - Good levels of housekeeping maintained with clean as you go policy in place.	Minor	Possible	Low		Minor	Possible	Low

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<p>Work Environment Temperature (too hot or cold). Elevated Temperatures.</p>	<p>Contractor Laboratory Worker Staff Student Burns</p>	<p>PPE - Personal Protective Equipment (PPE) or suitable clothing is issued and worn (Heat Resistant Gloves, Safety Glasses). Admin - Signage used to raise awareness. Admin - Information, instruction, supervision & training. Admin - Samples and boats are moved in or out of a hot furnace long rods are to be used and must only be lifted with tweezers Admin - Samples to be left in boats and on heat proof mats too cool before removal Admin - Temperature of furnace is displayed.</p>	<p>Serious</p>	<p>Possible</p>	<p>Low</p>		<p>Serious</p>	<p>Possible</p>	<p>Low</p>
<p>Electricity Contact with live electrics.</p>	<p>Contractor Laboratory Worker Staff Student Electric Shock and or Burns</p>	<p>Eng - Cables and leads are appropriately insulated. Eng - Fixed guarding is in place preventing access. Eng/Admin - Access is restricted to authorised personnel. Admin - Associated electrical equipment installed by competent persons. Admin - Information, instruction, supervision & training.</p>	<p>Major</p>	<p>Unlikely</p>	<p>Low</p>		<p>Major</p>	<p>Unlikely</p>	<p>Low</p>
<p>Assessment Conclusion</p>		<p>Long standing procedure with a good safety record.</p>							