

Space risk assessment for P2.24

2320

Current Risk Level (1=Very Low, 2=Low, 3=Moderate, 4=High, 5=Very High)

2

Final 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 -> Physics
Location Details	Physics building rooms 2.24 - Ultrasonics Group
Assessment Date	23/02/2023
Risk Assessment Category	Space
Risk Assessment Title	Space risk assessment for P2.24
Description of Space or Activity/Task or Equipment	P2.24 is part of the Ultrasonics Group.
Additional Information	The pressurisation rig that is present in P2.24 is covered in an equipment risk assessment. Mandatory H&S Moodle courses. Max pressure levels usually 2 bar in an enclosed cage.
Assessment Conclusion	Acceptance of risks identified within the assessment and confirmation that control measures in place reduce the risk to as low as reasonably practicable.
Is This An Acceptable Risk?	Yes
Assessor Name	Steven Dixon
Assessment Team Members	Uploaded on behalf of Steven Dixon by Stephanie Brown (Health and Safety Officer).
Approver	Steven Dixon

Date	15/01/2024
Next Review	27/02/2026

Record Approval

Approval Stage	Approved
Approver	Steven Dixon
Date	15/01/2024

Hazards And Control Measures

HAZARD TYPE, HAZARD DESCRIPTION	WHO MAY BE AT RISK?, HOW MAY PERSON(S) BE HARMED	EXISTING CONTROL MEASURES	CURRENT RISK LEVEL	WHERE CURRENT RISK IS M, H OR VH, WHAT ADDITIONAL CONTROL MEASURES ARE REQUIRED?	FINAL RISK LEVEL
NIR Class 1, Class 2 or Class 3R laser Polytec vibrometer <1mW HeNe Class 2 used to take non-contact vibration measurements.	Users and other in the vicinity. Class 2 laser system- low power HeNe. Slight risk if optical focusing equipment used to direct beam into eye.	Users of vibrometer and other in the vicinity must keep clear of the XY stage when the equipment is measuring and in use, Optics are not to be used to focus the laser light into eyes.	Low Likelihood: Possible Severity: Minor		
People & Wellbeing Continuous daily use of Display Screen Equipment (DSE)	All users of DSE equipment (computers, laptops, tablets). Musculoskeletal strains (back and upper limb pain) and eye strain.	Chairs and desks are available for lab users to set up a workstation. All DSE users must complete the online moodle mandatory training.	Very Low Likelihood: Unlikely Severity: Superficial		Very Low Likelihood: Unlikely Severity: Superficial

Electricity Liquid temperature bath	Users and others in the vicinity. Electrical shock from inappropriate equipment that have not been approved.	Only approved electrical drivers and amplifiers are connected to any device immersed in the liquid. Any electrical connections have to be water proof.	Low Likelihood: Possible Severity: Serious	Low Likelihood: Possible Severity: Serious
Work Environment Trailing cables, walkway obstructions	All lab users Slips, trips and falls.	Minimising objects on the floor and tucking wires away as much as possible.	Very Low Likelihood: Unlikely Severity: Minor	Very Low Likelihood: Unlikely Severity: Minor
Work Environment Electrical equipment	All lab users Risk of fire from use of electrical equipment	Correct training given on the use of an electrical equipment. Equipment tested regularly (PAT). Any damage or faults are reported immediately and equipment removed from use until repairs or replacements are in place.	Very Low Likelihood: Unlikely Severity: Minor	Very Low Likelihood: Unlikely Severity: Minor

Hand Tools / Powered tools Use of sharp hand tools and glue gun	User of hand tool Cutting or puncture injuries to skin from sharp hand tools. Burns from glue gun	Careful use of the scalpel. Sharp items must be kept covered when not in use – place blade first into a block of polystyrene. Always turn off glue gun when not in use and tie any long hair back as well as removing jewellery.	Very Low Likelihood: Unlikely Severity: Minor	Very Low Likelihood: Unlikely Severity: Minor
Substances Soldering fumes	Users and other in the vicinity Through inhalation of solder fumes and burns from the heated elements of the solder.	Hazardous substances such as lead are not to be used unless work working with historical electronics. Lead solder containing rosin is also a known hazardous substance and is to be substituted to a lead and rosin free solder where possible. COSHH assessment are to be written for any hazardous solder if there is justification for use. LEV extraction is to be used when solder and safety glasses. Wear appropriate long sleeved clothing and closed shoes. Always store the iron in the holder and turn off when not in use.	Low Likelihood: Possible Severity: Minor	Low Likelihood: Possible Severity: Minor

Manual Handling Carrying heavy or awkward items. Dropping items	Lab users who need to move equipment or objects. Musculoskeletal injuries from improper manual handling techniques or not using manual handling aids such as trolleys, sack trucks etc.	Undertake manual handling awareness and training. Use correct carrying technique. Steel capped boots to be used where appropriate.	Low Likelihood: Possible Severity: Minor	Low Likelihood: Possible Severity: Minor
Hand Tools / Powered tools Electrical drill/dremmel or similar equipment	Users, Others in vicinity Hand and eye injuries	Usually it will be steel or aluminium - anything else will be separately risk assessed. Mandrel mounted wheels, sanding drums, cutters or other accessories must be fully inserted into the collet or chuck Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, sanding drum for cracks, tear or excess wear. When working on small pieces of material a clamp is to be used, and not held in the users hands. Safety glass and FFP3 dusk masks are to be worn when operating. Very infrequently done (less than once a month for a few minutes).	Low Likelihood: Possible Severity: Minor	Low Likelihood: Possible Severity: Minor

Use this field to confirm that end users have been talked through the Risk Assessment and they have read and understood it.

Training Record(s)

General Details

Confirm affected users have read and understood the risk assessment (large number of individuals). Attach signed sheet.

Attach a sign off sheet with relevant users details, read date and signatures

Confirm affected users have read and understood risk assessment (small number of individuals). Type names and date.

Type the persons name and date to confirm they have read and understood the risk assessment.
