

Risk assessment RA24 Denford Micromill

<https://sportsciencesafety.stir.ac.uk>

Faculty / Service Area	Faculty of Health Sciences and Sport	Location	Pathfoot B27
Description of work task / equipment /area being assessed			
Machining operations on the Denford Micromill			
Change log	Version 1.1	29 Aug 2022	Expanded this section
	Version 1.2	11 July 2023	Referenced regulations and SOPs
Head of faculty	Prof Jayne Donaldson	Safety officer	Dr Nidia Rodriguez Sanchez
Completed by	Chris Grigson	Date	7 Jun 2020
Reviewed by	Dr Nidia Rodriguez Sanchez	Date	11 July 2023
	Chris Grigson	Date of next review	August 2024
Equipment used	Denford Micromill		
Categories of people involved	Staff, UG, PG, Visitors		
Duration of activity	< 8hrs	Frequency of activity	Daily
Legal compliance to standards and regulations required	<p>Health and Safety at Work act 1974 (HASAWA) https://www.hse.gov.uk/legislation/hswa.htm</p> <p>Management of Health and Safety at Work Regulations 1999 (MHSWR) https://www.legislation.gov.uk/uksi/1999/3242/contents/made</p> <p>Provision of Work Equipment Regulations 1998 (PUWER) https://www.hse.gov.uk/work-equipment-machinery/puwer.htm</p>		

		The Control of Substances Hazardous to Health Regulations 2004 (COSHH) https://www.hse.gov.uk/coshh							
What are the hazards?	Hazard category	Who might be harmed and how?	What are you already doing to control the risks?	*Risk rating	What additional controls (if any) are required to reduce the risks?	*Risk rating	Action by who?	Action by when?	Date of completion
Rotating spindle Powered Axes	F4	Operator Drawing in Pinch points	Interlocked enclosure prevents machine operation when open Only trained operators allowed to use machine Monthly inspection of machine Pre use check	1x4=4					
Sharp tooling and finished materials	F4	Operator Cuts and lacerations from sharps	Cut resistant gloves, eye protection and lab coat Sharps disposed of in sharps bin Any more serious cuts and lacerations to be reported to line manager First aiders and first aid box close by	2x2=4					

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Burns	F4	Operator Contact with heated tooling or material	SOP with clear instruction to allow all parts to cool before dismounting Clear signage to indicate risks. Any burns should be irrigated immediately with copious amounts of cold running water. And advice sought from a first aider. First aid box close by	1x2=2					
Sharp finishing tools	F4	Operator Cuts and lacerations from sharps	Cut resistant gloves, eye protection and lab coat Operator instructed in safe use of finishing tools Sharps disposed of in sharps bin Any more serious cuts and lacerations to be reported to line manager	2x2=4					

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			First aiders and first aid box close by						
Mains electricity	F4	Operator Electric shock from exposed wires or earth fault.	Regular PAT testing Pre use visual inspection	1x3=3					
References and Further reading	HSE General Work Equipment- Frequently asked questions https://www.hse.gov.uk/work-equipment-machinery/faq-general.htm BSI, PD 5304:2019 – TC, Guidance on safe use of machinery								