

Risk Assessment - Metal Lathe #208

Risk Assessment performed on behalf of Leicester Hackspace Ltd 08833126

This risk assessment is intended to provide guidance on the risk associated with the above equipment and activities in normal use. Please also check general risk assessments for the space as a whole. Any discrepancies, errors or concerns should be raised with the document maintainers or the directors - do not edit this assessment directly. For responsible persons and last update, see below.

Activity

Use metal lathes



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Date released	Last reviewed	Next review
03/09/26	-	Sep 2027

#	Identify Hazards	Risks	Who may be harmed	Severity	Control Measures	Likelihood	Risk Rating
1	Electricity	Electric shock	User	High	All electrical equipment should be checked for electrical safety prior to use. Equipment must not be used unless they have a PAT test label on. It is the users responsibility to do a visual check of the equipment. If any defects are found (i.e. cracked casing, defect in lead etc) the equipment is not to be used, to be quarantined, the safety officer informed, and a defect label attached. Induction covers inspection of equipment before use.	Low	Med
2	Misuse of equipment	Damage to user or equipment	User, Bystander	High	Members are inducted into the correct use of the equipment and understand associated risks. Members found to be deliberately misusing equipment may have their use of the equipment restricted or revoked altogether.	Low	Med
3	Spindle	Drawing in or entrapment	User	High	Do not put hands into a position where they can come into contact with any part of the rotating work or swarf. Induction covers correct usage of the equipment.	Med	Med
4	Loose hair, loose clothes, gloves	Drawing in or entrapment	User	High	User must not wear gloves or jewellery and ensure all loose clothing and long hair are tied back to prevent contact with the tool. Induction covers appropriate attire for use of the equipment.	Med	Med
5	Ejection of work piece	Crushing injury, piercing injury	User, Bystander	High	The user must ensure that the chuck, faceplate or centres are correctly attached to the lathe. Once the work is attached to the lathe it is to be checked and confirmed it is held securely. Induction covers correct setup and usage. Only advanced users are to turn between centres or using the face plate.	Low	Med
6	Noise	Hearing damage	User, Bystander	Med	Members are required to use appropriate hearing protection during use of the equipment (supplied). Induction covers use of, and location of, hearing protection.	Low	Low
7	Flying swarf	Eye damage	User, Bystander	High	Eye protection must be worn by all users and bystanders in the vicinity of the lathe. Induction covers use of, and location of, eye protection.	Low	Low
8	Swarf removal	Eye damage, slashing injury	User	Med	Swarf must only be removed when the lathe is no longer rotating using a metal scraper. Under no circumstances should swarf be removed using hands. Safe removal of swarf is covered in the induction.	Low	Med
9	Other members	Distraction	User, Bystander	High	The 'do not disturb' light should be used when operating the lathe to avoid accidents being caused by distraction of the user. Induction of new members to the Hackspace includes the importance of not entering wood shop when the light is on.	Low	Med