

# **Risk Assessment - Workshop - Use of a Milling Machine**

Reference No: GLO-44418-7

Version No: 5

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Department: Global

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Use of a milling machine in a workshop environment



Туре	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Personal Injury Multiple causes included contact with moving parts, sharps objects, entanglement, electrical shock etc.	Volunteers & Staff	1) CRITICAL - Elimination: No loose clothes, jewellery, overly long sleeves, ties or gloves to be worn Effective 2) CRITICAL - Elimination: Hands will be keep clear rotating parts such as the chuck and workpiece on the moving machine table Effective 3) CRITICAL - Engineering: An 'Emergency Stop' or other stop switch should be fitted within the reach of the user Effective 4) CRITICAL - Engineering: Machine guards should be fitted, clean, functional and used at all times. Consider guards for the chuck, spindle mandrel, feed shafts and lead screws if not protected by the design of the machine Effective 5) CRITICAL - Engineering: Any fitted safety devices such as 'Impact Wands', safety wires, foot switches or overloads should be fitted and functional Effective 6) CRITICAL - Engineering: The machine should be securely fixed to the floor or other stable and unmovable surface. Those machines that are mounted on wheels should be securely fixed whilst in use to stop them from moving Effective 7) CRITICAL - Engineering: The machine must be switched off and power isolated and locked out where possible before any maintenance activity takes place Effective 8) CRITICAL - Engineering: Cutting fluids will be used as appropriate and maintained to remain in a suitable condition for use Effective 9) CRITICAL - Engineering: The work piece shall be mounted to the machine and properly secured Effective 10) CRITICAL - Engineering: The cutting tool must be carefully checked for security before starting the machine Effective 11) CRITICAL - Engineering: The machine must be stopped before the work piece is removed from the machine Effective 13) CRITICAL - Engineering: The machine must be stopped before the work piece is removed from the machine Effective 14) CRITICAL - Engineering: The machine must not be adjusted when the machine is in operation Effective 15) CRITICAL - Administrative: Only competent and authorised staff should use the equipment Effective 16) CRITICAL - Administrative: The equip	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	2) Engineering: Lifting aids are to be	and controlled so far as is reasonably practical.	Arrange for the assessment, fitting and use appropriate guards where these are not present due to the age and/or design of the machine. Re layout m/c short o use gantries Geoff Goring
			the machine Effective  22) CRITICAL - Administrative: Only the user and any trainees are to be near to the machine when it is in operation Effective				
			23) CRITICAL - Administrative: Loose tooling and other equipment or rags etc. must not be kept on the machine or allowed to obstruct the work area Effective 24) CRITICAL - PPE: Eye protection, overalls or dust coat and steel toe-capped footwear to be worn Effective				



Туре	Hazard Cause	Persons Affected	Control Measures	L Ove	S rall	T	Additional Control Measures	L Ove	S T rall	Owner/Action
	Control Measure Notes.									_

Risk is medium due to potential injury.

All control measures must be followed.

The risk remains medium. Not all milling machines are under suitable cranes or gantries increasing handling H&S issues

## **COSHH Assessments**

The following COSHH assessments are applicable to this risk assessment:

• COSHH-44517-36 - Astro - Sol A

## **Appendix**



Reference: UI-44418-453 Milling Machine 1 -



Reference: UI-44418-551 Milling Machine 2 -