



## Risk Assessment - Workshop - Use of a Bench & Pedestal Grinder

Reference No: GLO-44413-72

Version No: 4

Assessment Approver: Kevin 'Kev' Jarvis

Department: Global  
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Lead Assessor: Kevin Jarvis  
Team: Steve Parker

### Use of a pedestal or bench grinder in a workshop environment



**Gloucestershire Warwickshire Steam Railway Plc**  
**Risk Assessment for Workshop - Use of a Bench & Pedestal Grinder - Global**

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S	T	Additional Control Measures	L Overall	S	T	Owner/Action
Health and Safety	Personal Injury Multiple causes included contact with moving parts, sharps objects, entanglement, electrical shock etc.	Volunteers & Staff	<p>1) CRITICAL - Elimination: No loose clothes, jewellery, overly long sleeves, ties or gloves will be worn. - Effective</p> <p>2) CRITICAL - Elimination: Hands must be kept clear of the rotating wheel. - Effective</p> <p>3) CRITICAL - Engineering: A stop switch will be fitted within the reach of the user. - Effective</p> <p>4) CRITICAL - Engineering: Machine guards must be fitted, clean, functional and used at all times. - Effective</p> <p>5) CRITICAL - Engineering: Any fitted safety devices such as foot switches or overloads must be fitted and functional. - Effective</p> <p>6) CRITICAL - Engineering: The machine will be securely fixed to the floor or other stable and unmovable surface. Those machines that are mounted on wheels must be securely fixed whilst in use to stop them from moving. - Effective</p> <p>7) CRITICAL - Engineering: The wheel must be securely fixed, in good condition and guarded. - Effective</p> <p>8) CRITICAL - Engineering: The machine must be switched off and power isolated and locked out where possible before any maintenance activity takes place. - Effective</p> <p>9) CRITICAL - Engineering: The wheel rest gap must be adjusted appropriately to allow for wear and so as not to jam the work piece by being as close as possible without touching. - Effective</p> <p>10) CRITICAL - Engineering: Wheels will be made of a suitable material for the piece being worked. - Effective</p> <p>11) CRITICAL - Engineering: Spindle speeds must be set appropriately depending on the task to be carried out. - Effective</p> <p>12) CRITICAL - Engineering: Grinding must never be carried out on the side of the wheel. - Effective</p> <p>13) CRITICAL - Engineering: Only one piece can be worked at a time. No multiples are allowed. - Effective</p> <p>14) CRITICAL - Engineering: Sufficient space must be available around the machine to prevent any issues with those passing by. - Effective</p> <p>15) CRITICAL - Engineering: Floor surfaces must be clean and dry so as not to introduce a slip hazard. - Effective</p> <p>16) CRITICAL - Administrative: Only competent and authorised staff are to use the equipment. - Effective</p> <p>17) CRITICAL - Administrative: The equipment will be mechanically and electrically maintained regularly and accurate records of maintenance activity will be kept. All safety features will be tested. - Effective</p> <p>18) CRITICAL - Administrative: A hair net or cap will be worn by staff with long hair. - Effective</p> <p>19) CRITICAL - Administrative: The machine must never be left unsupervised if energised. - Effective</p> <p>20) CRITICAL - Administrative: Only the user and any trainees can be near to the machine when it is in operation. - Effective</p> <p>21) CRITICAL - Administrative: Only those persons trained and competent can change machine wheels. - Effective</p> <p>CONTINUES ON NEXT PAGE</p> <p>22) CRITICAL - Administrative: The ground surface must not be touched after working due to the potential for a burn. - Effective</p> <p>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</p> <p>24) CRITICAL - PPE: Eye protection, overalls or dust coat and steel toe-capped footwear must be worn. - Effective</p>	2 x Medium - Risk to be minimised and controlled so far as is reasonably practical.	4 = 8	1) Engineering: Consider the use of a dust extraction system in situations where large amounts of dust are generated. - Effective	2) PPE: Wear ear protection if desired and always if noise surveys have indicated that ear protection is required. - Effective	2 x Medium - Risk to be minimised and controlled so far as is reasonably practical.	4 = 8	n/a	



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<b>Score and Control Measure Notes.</b>											
Risk is medium due to potential injury. All control measures must be followed. The risk remains medium.											

### **COSHH Assessments**

There are no COSHH assessments associated with this risk assessment.

Ends



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## Appendix

Image not found.

**Reference: UI-44413-182**  
Bench Grinder -