













Root & Branch	Risk Assessment In accordance the Management of Health and Safety Regulations 1999	Ref: RA011 Date: 23 July 17
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	Task: <i>Bench Dual Wheel Grinder Operation</i>	Location: <i>Woodwork Shop Root & Branch and Forge Workshop</i>	
	Name of Assessor: <i>S.R Coombs</i>	Name of Reviewer: <i>Mark Wild</i>	
	Job Title: <i>R & B Health and Safety Officer</i>	Job Title: <i>Trustee</i>	
	Signature: <i>S Coombes</i>	Signature: 	
	Persons Potentially at Risk		
Operator	Other service users	Staff / Volunteers	Public /Other Contractors
Y	Y	Y	Y

Operative PPE requirements for this operation										
										
Safety Boots	Coveralls	Gloves	Eye Protection	Face Protection		Hearing Protection	Hi Viz Vest/ Clothing	Dust Mask	Wellington Boots	Hard Hats
Y	N	N	Y	N		N	N	N	N	N
Specific PPE comments or requirements: Eye protection and boots										

Estimated Level of Risk (Based on Maximum Risk Identified)		
Low (1-4)	Medium (5-12)	High (13-25)
Yes	Yes, until properly trained	

Emergency Details			
Nearest A & E:	<i>Great Western Hospital Swindon</i>	Telephone No:	01793 604020
First Aid:	<i>First Aiders listed on board in lobby</i>	<i>First Aid Kit in Kitchen</i>	<i>Additional Kits in Forge and Wood Shop</i>

Likelihood - L	Rating Given	Severity of Outcome - S	Rating Given
Highly Unlikely	1	First Aid injury or minor property damage	1
Unlikely	2	Minor injury or property damage	2
Medium	3	Potential lost time injury or short term ill health	3
Likely, may occur regularly	4	Major illness or injury	4
Highly Likely, certain or almost certain to occur	5	Fatal or disabling injury or serious ill health	5

Apply a rating to both **likelihood** and **severity** and then multiply together to give actual risk rating of a particular hazard

Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Defective Equipment	Defective equipment presents a risk of injury	1	3	3	If thought to be defective at any time, cease use of machine and attach a defect tag to isolate from use. Remove Power cord from supply socket. Report any defects to your Supervisor immediately. Ensure machines is regularly serviced in accordance with manufacturers recommendations.	1	3	3	
Improper Use	Equipment used incorrectly can cause serious injury to operators and others	2	3	6	Only trained operatives to use equipment, if you are unsure about this seek advice from your manager. This machine is designed to grind carbon steel and high speed steel tools ONLY. Do not permit untrained persons to use equipment. Use equipment in full accordance with manufacturers recommendations as contained in the handbook.	1	3	3	Until operator can demonstrate competence, close supervision is required
Flying Debris	Grinding causes small hot metal particles and sparks to be ejected from the cutting area at high speed. Potentially causing damage to the Operators eyes	2	3	6	Ensure guards are in place, do not tamper with or remove guards for any reason.. Tool rests must be adjusted to be close to the abrasive wheel to prevent snatching. User must wear suitable personal protective equipment, Safety boots and Safety Glasses.	1	3	3	
Vibration	Excessive vibration is a warning of a potentially serious problem that could cause injury	2	3	6	Ensure operatives are aware that vibration implies something is very wrong, Maybe the abrasive wheel has become loose on the arbour. STOP the Machine Immediately remove power cord from electric supply and summon the supervisor. Do not allow anyone to use machine.	1	3	3	

Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Maintenance and cleaning activities	Injury could be sustained whilst cleaning the machine	2	3	6	<p>Power cord must be removed from source before cleaning of machine commences.</p> <p>Use Vacuum cleaner NOT fingers to clean machine.</p> <p>Guards must NOT be removed to access difficult to reach places – Supervisors will deal with these problem areas.</p>	1	3	3	
Electric Shock	Injury or Burns caused by Electric Shock. Due to short circuit or breakdown of insulation	2	4	8	<p>All power to sockets fed through RCD trip switches.</p> <p>All plug in machinery subject to annual PAT testing regime every 12 months.</p> <p>All electrical circuits tested by a qualified electrician every five years as per legislation.</p>	1	4	4	