













Root & Branch	<b>Risk Assessment</b> In accordance the Management of Health and Safety Regulations 1999	Ref: RA010 Date: 23 Jul y 17
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	<b>Task:</b>	RECORD Electric Wood Lathes Operation		<b>Location:</b>	Woodwork Shop Root & Branch
	<b>Name of Assessor</b>	S.R Coombs		<b>Name of Reviewer</b>	Mark Wild
	<b>Job Title</b>	R & B Health and Safety Officer		<b>Job Title</b>	Trustee
	<b>Signature</b>	S Coombes		<b>Signature</b>	
	<b>Persons Potentially at Risk</b>				
	<b>Operator</b>	<b>Other service users</b>	<b>Staff / Volunteers</b>	<b>Public /Other Contractors</b>	
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		Y/N	N	Y/N	N	N
<b>Specific PPE comments or requirements:</b> Facemask and Ear defenders to be worn when turning Hardwoods										

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

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

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	4	4	If thought to be defective at any time, cease use of machine and remove power cord from source to isolate from use. Report any defects to your Supervisor immediately.  Ensure machines is regularly serviced in accordance with manufacturers recommendations.	1	4	4	
Improper Use	Equipment used incorrectly can cause serious injury to operators and others	2	4	8	Only trained operatives to use equipment, if you are unsure about this seek advice from your Manager.  This machine is designed for the purpose of turning WOOD 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	Power Turning of wood can cause material (Sawdust and Chippings) to be ejected from the cutting area at high speed causing injury	3	4	12	Check that the workpiece correctly secured before switching on power.  Use extraction equipment to minimise chippings and sawdust escaping from machine onto user or passers-by.  User must wear suitable personal protective equipment, Safety boots Safety Glasses or Full face Visor.	1	4	4	
Hands touching chuck or Workpiece	Injury may be caused by fingers contacting with rotating Chuck or workpiece	3	4	12	Operator trained that fingers must NEVER come within 8cm of chuck or workpiece.	1	4	4	Until operator can demonstrate competence, close supervision is required

Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Noise	Excessive noise exposure may contribute to noise induced hearing loss	2	4	8	Some Exotic Hard woods can resonate and Howl also Impacting on other workshop users.  All workshop users and visitors should wear ear protection with a minimum SNR of 26 when lathe in use on hardwoods.	1	4	4	
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 workpiece has become loose.  <b>STOP the Machine Immediately remove power cord from electric supply and summon the supervisor. Do not allow anyone to use machine.</b>	1	3	3	
Fumes	Ill health can be caused by fumes when power turning Exotic Hardwoods.	2	4	8	<b>Always wear a face mask when cutting Hardwoods.</b>	1	3	3	
Manner of Attire and Jewellery	Injury can be caused by loose clothing (Particularly flapping cuffs & Sleeves) or items of Jewellery becoming entangled with exposed rotating workpiece	2	4	8	Suitable clothing <b>MUST</b> be worn. <b>Jewellery items, such as Bracelets, Pendants, Neck Chains, Wrist Watch etc. Must be removed Prior to starting the Lathe.</b>	1	4	4	
Maintenance and cleaning activities	Injury could be sustained whilst cleaning the machine	2	3	6	<b>Power cord must be removed from source before cleaning of machine commences</b> <b>Use Vacuum cleaner NOT fingers to clean machine</b> Guards must <b>NOT</b> be removed to access difficult to reach places – Supervisors will deal with these problem areas	1	3	3	
Electric Shock	Injury or Burns caused by Electric Shock. Due to short circuit or breakdown of insulation	1	4	4	All power to sockets fed through RCD trip switches  All plug in machinery subject to annual PAT testing regime every 12 months  All electrical circuits tested by a qualified electrician every five years as per legislation	1	4	4	
Special Hazard No 1 Security of Workpiece	Injury maybe caused as a result of workpiece flying out of the Chuck or from between centre drives. This can happen particularly when starting out with <b>wood that is not round.</b>	2	4	8	The Operator <b>MUST</b> be trained and the Lathe should be stopped <b>every 5 minutes</b> and the security of workpiece confirmed as secure.	1	4	4	Until operator can demonstrate competence, close supervision is required