













Root & Branch	Risk Assessment In accordance the Management of Health and Safety Regulations 1999	Ref: RA07 Date: 19 Jul 17
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	Task:	Table Mounted Router Operation		Location:	Woodwork Shop Root & Branch
	Name of Assessor	S.R Coombs		Name of Reviewer	Mark Wild
	Job Title	R & B Health and Safety Officer		Job Title	Trustee
	Signature	S Coombes		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		Y/N	N	Y/N	N	N
Specific PPE comments or requirements: Facemask and Ear defenders to be worn when machining Hardwoods or MDF Board										

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:	Great Western Hospital Swindon	Telephone No:	01793 604020
First Aid:	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 attach a defect tag to isolate from use. Report any defects to your Supervisor 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	3	6	Only trained operatives to use equipment, if you are unsure about this seek advice from your Manager. This machine should be used for the Routing of 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	Routing of wood can cause material (Sawdust and Chippings) to be ejected from the cutting area at high speed	3	3	9	Ensure guards are in place. Extraction Should be used User must wear suitable personal protective equipment, Safety boots and Safety Glasses. Do not remove or tamper with machine guards.	1	1	1	
Noise	Excessive noise exposure may contribute to noise induced hearing loss	2	4	8	Some Exotic hard woods can cause cutter to resonate and howl impacting on other workshop users All workshop users and visitors should Wear Ear protection with minimum SNR of 26 Whilst this Planer is in use on Hardwoods	1	4	4	

Hazard	Risk	L	S	R	Control Measures	L	S	R	Further Action Required
Vibration	Excessive vibration is a warning of a potentially serious problem that could cause injury	1	3	3	Ensure operatives are aware that vibration implies something is very wrong, Maybe the cutter has become loose in the collet STOP the Machine Immediately remove power cord from electric supply and summon the supervisor. Do not allow anyone to use machine.	1	1	1	
Manual Handling	Risk of injury from lifting large baulks of wood, resulting in damage and strains to back or rupture	2	3	6	Always use correct lifting Techniques Always ask for assistance, supervisor will always be available	1	3	3	Ensure that all service users are trained in correct stance and lifting techniques.
Fumes	Ill health can be caused by fumes when routing Exotic Hardwoods	2	4	8	Always wear a face mask when cutting Hardwoods or MDF	1	3	3	
Finger Damage	Injury from fingers contacting high speed cutter	3	3	9	Always use a notched push stick to feed material past cutter keeping fingers well clear	1	3	3	
Cutter Change	Injury can be caused by very sharp cutters	3	2	6	Remove power cord from socket; Wear gloves when handling cutters. Remember that outbound cutters will be very hot and sharp edged	1	2	2	
Kickback	Injury can be caused by Kickback of material	2	3	6	Use correctly adjusted fence and Feather boards to prevent the occurrence of material Kickback. Take two small cuts rather than one large one.	1	3	3	
Maintenance and cleaning activities	Injury could be sustained whilst cleaning the machine	2	3	6	Power cord must be removed from source before cleaning of machine commences Use Vacuum cleaner NOT fingers to clean machine Guards must NOT 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	2	4	8	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	