

Fixed CNC Router

GENERAL RISK ASSESSMENT

Location	Secure Workshop		
Outline of risk assessment <i>Summary of what is proposed</i>	Using the CNC Router		
Members / Guests / etc. <i>List those involved</i>	Members		
Assessor Name Signature	Stephen Woolhead	Date completed	9/5/2013
MakespaceDirector Name Signature		Date completed	

Hazard list -- select your hazards from the list below and use these to complete Part B

Situational Hazards	Tick
Assault by person	
Over Crowding	
Objects falling, moving or flying	
Crush by load(s)	
Working at Height (roof, scaffolding, hoists, ladders, etc)	
Vehicle impact / collision / pedestrians	
Obstruction / exposed feature	X
Ergonomic risk due to lack of space	
Slip, Trips and Falls	
Manual Handling	
Unsafe Ground conditions (loose flooring, slippery, etc)	
Overhead Obstructions (power lines, cables, suspended ceilings)	
Sharp object / material	X
Lone Working	
Confined Space	
Machinery / Equipment (cranes, hoists, electrical, tools etc)	X
Restriction by Work equipment or PPE/RPE	X
Young Persons (under 18 years of age)	
Additional Assessments Required	Tick
Manual Handling	
Work at Height (if using ladders)	
DSE	
COSHH (chemical substances)	

Physical / Chemical Hazards	Tick
Contact with hot or cold liquid / vapour	
Contact with hot or cold surface	
Electric shock	X
Explosive blast	
Explosive release of stored pressure	
Fire	X
Hazardous / Chemical substance (separate Assessment required)	
Hot or cold environment	
Laser light (Class 1 or 2)	
Stroboscopic Lights (flashing lights)	
Vibration	X
Noise	X
Smoke/dust	X
Asbestos present	
Health Hazards	Tick
Physical fatigue (unusual working patterns, night working, etc)	
Static body posture (standing for long periods)	
Repetitive action	
Environmental Hazards	Tick
Litter	
Nuisance noise / vibration	
Physical damage	
Substance released into air	
Substance released into soil / water	
Adverse Weather Conditions (outdoor working)	
Additional Hazards/Permits Required (please list)	

Risk Matrix – use this to determine risk for each hazard i.e. how bad and how likely

	Likelihood of Harm				
Severity of Harm	Remote	Unlikely	Possible	Highly likely	Inevitable
Nil	1	2	3	4	5
Slight	2	4	6	8	10
Moderate	3	6	9	12	15
High	4	8	12	16	20
Very High	5	10	15	20	25

1 to 4 Low

5 to 9 Moderate

10 to 15 High Risk

16 to 25 Unacceptable



RISK ASSESSMENT

<p>Activity - Using a belt sander</p>			<p>Location – where this activity will take place: Secure workshop</p>	
<p>Hazards² List what could cause harm from this activity. <i>e.g. working at height, trip hazard, fire, etc.</i></p>	<p>Who exposed List who might be harmed from this activity.</p>	<p>Risk Rating³ For each hazard, decide level of risk as if you were to do the activity without your controls.</p>	<p>Control measures For each hazard, list the measures you will be taking to minimise the risk identified. <i>e.g. appointing competent persons, training received, use of personal protective equipment, provision of first aid, etc.</i></p>	<p>Residual Risk Rating³ For each hazard, now decide level of risk once all your controls are in place.</p>
<p>Exposed feature Entanglement & Entrapment</p>	<p>Members</p>	<p>Moderate</p>	<p>Precautions should be taken for loose hair, clothing, jewellery and other items so that they are not caught in the machine. A safe area around the machine will be marked and should not be entered while the machine is in motion.</p>	<p>Low</p>
<p>Sharp object / material Contact with cutter</p>	<p>Members</p>	<p>Moderate</p>	<p>Training in safe operation. Guards in place. PPE to be used</p>	<p>Low</p>
<p>Slips, Trips and Falls</p>	<p>Members</p>	<p>Moderate</p>	<p>Cables to be kept clear of user and obstructions to prevent anyone from tripping over it</p>	<p>Low</p>

Fire	Members Guests	High	Equipment will be checked for defects before each use to minimise the risk of possible electrical faults or fire. Carbon Dioxide extinguisher to be available for any electrical fires Dust extraction to be run at all time to keep cutting area clear.	Low
Electric shock	Members	Moderate	The equipment will be checked before each use to ensure that there are no defects in the cable, casing or plug.	Low
Sight/Noise/Dust/Vibration	Members	High	PPE to be worn when using the equipment.	Low

Continue on separate sheet if necessary

1 – complete separate table for each activity 2 - from hazard list in Part A 3 - from risk matrix in Part A