

CNC Laser Cutter	SAFE WORK METHOD ST	ATEMENT (SWMS)		
TA	SK OR ACTIVITY: CNC Laser Cu	tter		
Business Name: [Company Name]		ABN: [ABN]	SWMS#	
Business Address: [Company Address]				
Contact Person:	Phone: [Phone]	E gil:		
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE P OF THE PROJECT		
Under the Work Health and Safety Regulation (WHS Regulation), a person conductive proposed work starts.	cting a business or undertaking (HBU) is	required to ture at a safe work method s	statement (SWMS) is prepared before	
Full Name:				
Signature:		Title:	Date:	
Business Address: [Company Address] Contact Person: Phone: [Phone] Engil: Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (k BU) is required to sure out a safe work method statement (SWMS) is prepared before the proposed work starts. Full Name: Full Name:				
Full Name:		Title:	Phone:	
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED			EEN CONSULTED AND	
requirements to first identify any site hazards, conduction unical those	NAME	SIGNATURE	DATE	
on the severity of the incident, a meeting will be called with all workers to amend				
approved by the Person Conducting Business or Undertaking and				
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.				
Signature: Details of the person(s) responsible for ensuring implementation, monitoring at the person second sec	N. YE AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	rs and modifications of the SWMS. Title: ALL RELEVANT PERSONNEL WHO HAVE B OPMENT AND APPROVAL OF THIS SWMS	Phone: EEN CONSULTED AND	



CLIENT OR PRINCIPAL CONTRACTOR DETAILS											
Client:					SCOPE OF WORKS						
Project Name:					Provide a detailed description of the specific work being carried out (otherwis						
Project Address:				ŀ	known as cope of works).						
Project Manager	:										
Contact Phone:											
Project Manager	Signature:										
Date SWMS sup	plied to Project Manag	er:									
ANY HIGH-RISK CON PUCL NO JRK BEING CARRIED OUT											
involves a risk of	a person falling more than	2 meters.		is carried out on of	near pressurised gas main	s or piping.					
is carried out on	a telecommunication tower			is carried out on o	is carried out on or near chemical, fuel or refrigerant lines.						
involves demoliti	on of an element of a struct	ure that is load-be		is carried out on o	☐ is carried out on or near energised electrical installations or services.						
involves demoliti	on of an element related to	the physical integrit of a st	ir e,	☐ is carried out in an area that may have a contaminated or flammable atmosphere.							
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.							
involves structura	al alteration or repair that re	mporan upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
☐ is carried out in c	or near a confined space.			is carried out in an area of a workplace where there is any movement of powered mobile plant.							
☐ is carried out in/r	near a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in are	eas with artificial extremes of	of temperature.					
☐ is carried out in c	or near water or other liquid	that involves a risk of drown	ning.	involves diving wo	rk.						
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	NEARBY						
Forklift	Crane/s	☐ Hoist/s	Excavator	Backhoe/Loader	Boom Lift	EWP	Genie Lift				
Trencher	Drilling Rig	Trucks		Bobcat	E Flammable Gas	Fuel	Dozer				
High Voltage	Mulcher	Tilt-up Panels	Roller	Scissor Lift	Tractor	Other -					







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
1. Preparation	Equipment malfunction, Electrical hazards	2М	 Regularly inspect and maintain the CNC laser cutter to prevent equipment malfunction. Provide a thorough operator training for all workers who will use the CNC laser cutter to ensure they understand proper harming and machine safety procedures. Ensure the machine is properly grounded a sconperiod to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to residual current devices (RCDs) in order to minimise electrical second to the operator. Use appropriate second second propriate second proper and a second to residual workers from potential second secon	1L	
2. Material Handling	Manual handling injuries, Forklift hazards	ЗН	 Conduct manual handling training for all staff involved in material handling, focusing on proper lifting techniques and posture to prevent injuries. Implement a buddy system where two or more workers are required to lift heavy materials, distributing the load amongst them. Use mechanical aids, such as trolleys or pallet jacks, when moving heavy or bulky items to minimise physical strain on workers. 	2M	



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			- Clearly mark designated walkways and no-go zones within the workspace, separating pedestrian and forklift traffic areas to reduce risk of collisions.		
			- Ensure all forklift operators hold valid licenses, by received adequate training, and are competent in safe operation.		
			- Regularly inspect and maintain forklifts an other lifting support, adhering to a pre-check procedure before use to ensure exponent of a safe condition.		
			- Develop and implement clear communication, cocols for material handlers and forklift operators to discuss in rement plans and conal interviews, minimising miscommunication hazards.		
			- Establish and string, on the spin d limits for forklifts operating within the workplace, aim of to reduce the rist of accident the to excessive speed.		
			- Keep works, ses organized and clustering, ensuring that materials are stored correct and set v, rectaing the chance of trips or falls during handling processes.		
			- Review fety providing and policies regularly, providing angoing supervision and monitoing worke, adherence to protocols, making corrections and improvement, where the sarry.		
			- E. tre , oper training and induction are provided for all personnel operating the CNC to sutter, with emphasis on machine safety and entanglement prevention.		
			spect the workspace surrounding the CNC laser cutter to guarantee clear wayways and sufficient space for workers to safely manoeuvre during set up and operation.		
			 Confirm that the emergency stop button is functional and accessible, allowing immediate shut down of the CNC laser cutter in case of an emergency or entanglement. 		
0 Marking October	Estandard Contain		- Verify that safety guards and interlocks are properly installed and working efficiently to minimise the risk of crush injuries during machine setup and operation.	014	
3. Machine Set Up	Entanglement, Crush inju	4A	 Enforce a strict policy requiring workers to wear appropriate personal protective equipment (PPE), including cut-resistant gloves, long sleeves, and closed-toe footwear. 	2M	
			- Implement lockout/tagout procedures to control hazardous energy sources while setting up the CNC laser cutter, thus mitigating the potential for accidental activation.		
			 Encourage regular communication among team members to address any emerging concerns, promote safe work practices, and conduct thorough pre-start meetings before beginning machine set up. 		
			- Establish and maintain a preventative maintenance programme for the CNC laser cutter, regularly assessing the condition of the machine and replacing worn components as necessary.		



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			 Clearly display signage indicating hazard zones and warning workers about risks associated with CNC laser cutter operations, such as entanglement and crush injury hazards. Foster a culture of safety in the workplace by a moting incident reporting, conducting risk assessments, and reinforcing and importance of adhering to established safe work procedures. 		
4. Programming	Incorrect parameters, Eye strain	2M		1L	

Version 2.5



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5. Lens Inspection	High-pressure gas release Option radiation	ЗН		2M	



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6. Cutting Operation	Flying debris, Noise exponence hazard	4A		ЗН	



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7. Positioning Workpiece	Pinch points, Sharp edges	ЗН		1L	



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8. Path Checking	Collision with objects/people, Slips/trips/falls	2М		1L	



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9. Material Removal	Burns from hot materials, Manual handling injuries	ЗН		2М	



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10. Waste Disposal	Dust exposure, Improper container use	2М		1L	



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11. Finished Product Inspection	Poor lighting, Ergonomic issues	2M		1L	



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12. Maintenance	Exposure to hazardous substances, Electrical hazards	ЗН		2М	



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13. Emergency Actions	Inability to act quickly, Inadequate evacuation plan	2M		1L	



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14. Cleaning & Housekeeping	Chemical exposure, Slips/trips/falls	2М		1L	

Version 2.5

Date of Issue:



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15. Shutting Down	Incomplete procedures, Encurear hazards	ЗН		1L	



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	S				



EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REF	ERENCES							
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE AT ARE NOT APPLICABLE								
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health au Safety Act and 4 Occupational Health and a fety or gulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulations</u> of the source VIC <u>extps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>							
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes rodes-oi rach. Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes-oi rach.	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>							
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/weiplace-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/laws-and-compliance/weiplace-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/laws-and-compliance/weiplace-serve-laws	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>							
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u>	Model Codes of Practice - Managing noise and preventing hearing loss at work - Confined spaces - Labelling of workplace hazardous chemicals - Managing risks of hazardous chemicals in the workplace - Welding processes							
Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012 Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice	 First aid in the workplace Managing the risk of falls at workplaces Hazardous manual tasks Managing the risk of falls in housing construction Managing electrical risks in the workplace Demolition work Excavation work 							
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work - Any required documents.	 Work health and safety consultation, cooperation and coordination Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 							



SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

SAF WC A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to review the sure it remains revised if necessary) if relevant control measure are a conconsultation with workers (including contractors are subcontract of the SWMS and their health and safety representatives who re workplace.

ke sure it remains effective and must be reviewed (and acception of the process should be carried out in s any subcontract s) who may be affected by the operation esentatives who received that work group at the

When the SWMS has been revised the PCBU must ensure that all persons involved with the work are advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- 1. Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- 3. Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							



SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	TO BE DONE	COMMENTS
The company details have been entered, including the project name and address.			
Names and signatures of all relevant personnel consulted during the development of the SWMS.		P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.			
Provides a step-by-step process of tasks required to carry out the activity or task.			
Adequate risk assessment of any identified hazards has been completed.			
Foreseeable hazards are identified and documented for each step.			
Any hazards listed in any site risk assessments have been added to the SWN			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting sections.			
Responsible person is assigned and listed on the SWMS for the imement of cont, measures.			
Permit requirements specified, such as Hot Wey, Electrical Work, Verat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed approved on the SWMS.			
Describes any mandatory qualifications, experience raining skills required to perform the work.			
Applicable personal protective equipment is selected on the SWMS.			
Lists any required permits or licenses.			
Reflects and documents any legislative references and/or Australian Standards.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE CO	MPLETED	