

CO2 Laser Cutter	SAFE WORK METHOD ST	ATEMENT (SWMS)	
TA	ASK OR ACTIVITY: CO2 Laser Cu	tter	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E fil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PLOOF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undertaking (r 3U) is	required to ture at a safe work method s	tatement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring a	compliance of the SWMS well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N. 1E AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE B PMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND
Safety meetings or toolbox talks will be sched and in accordance with agislative requirements to first identify any site hazards, conditions unical those hazards and then to further take steps to either the conditions are or conditions.	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must structurately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.			
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.			
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.			



		CL	IENT OR PRINCIPAL	CONTRACTOR D	DETAILS			
Client:						SCOPE OF WORKS		
Project Name:				Provide a detailed description of the specific work being carried out (otherwise				
Project Address:					known as cope of works).			
Project Manager:								
Contact Phone:								
Project Manager Sig	gnature:							
Date SWMS supplie	ed to Project Manager:							
		ANY HIGH	RISK CON PUCT	N' JRK BEING	CARRIED OUT			
involves a risk of a person falling more than 2 meters.				is carried out on or near pressurised gas mains or piping.				
is carried out on a te	lecommunication tower.		$H \cap H$	is carried out on	or near chemical, fuel or refrig	erant lines.		
☐ involves demolition of	of an element of a structure	that is load-be		is carried out on	or near energised electrical ins	stallations or services.		
☐ involves demolition of	of an element related to the	e physical integril of a str	3	☐ is carried out in an area that may have a contaminated or flammable atmosphere.				
☐ involves, or is likely t	o involve, disturbing a es	stos.		involves tilt-up or precast concrete.				
☐ involves structural al	teration or repair that re	mporal, upp to p	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.				
is carried out in or ne	ear 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/near	a shaft or trench deeper th	nan 1.5m or tunnel involvir	ng use of explosives.	is carried out in	areas with artificial extremes of	f temperature.		
is carried out in or ne	ear water or other liquid tha	at involves a risk of drowning	ng.	involves diving v	vork.			
		ANY H	IGH-RISK MACHINER	RY OR EQUIPMEN	NT NEARBY			
☐ Forklift	☐ Crane/s	☐ Hoist/s	☐ Excavator	☐ Backhoe/Loader	Boom Lift	□ EWP	☐ Genie Lift	
☐ Trencher	☐ Drilling Rig	Trucks	Formwork	☐ Bobcat	☐ Flammable Gas	☐ Fuel	☐ Dozer	
☐ High Voltage	☐ Mulcher	☐ Tilt-up Panels	Roller	☐ Scissor Lift	☐ Tractor	☐ Other -		





FOOT HAND **HEAD HEARING** SPIRATORY FACE HIGH-VIS **PROTECTIVE** FALL SUN HAIR/JEWELLERY CLOTHING **PROTECTION PROTECTION** PROTECTION **PROTECTION** PROTE DTECTION **PROTECTION** CLOTHING **PROTECTION PROTECTION SECURED**

Select me appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).

Note: A SWMS must be reviewed regularly to make sure it remains effective. A SWMS must be reviewed (and revised if necessary) if relevant control measures are revised. The review process should be carried out in consultation with workers (including contractors and subcontractors) who may be affected by the operation of the SWMS and their health and safety representatives who represented that work group at the workplace.

When a SWMS has been revised, the person conducting a business or undertaking must ensure all:

- 1. persons involved in the work are advised that a revision has been made and how they can access the revised SWMS;
- 2. 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: and.
- 3. workers that will be involved in the work are provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.



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	Incorrect setup, Improper handling of materials	2M	- Training and induction: Ensure all operators are adequately trained and have a clear understanding of the CO2 Laser Cutter's opera in as well as workplace health and safety protocols. This includes any specialism setup requirements and material handling procedures. - Manufacturer guidelines adherence: Follow he manufourder's guidelines and recommendations for setting up, operating, any manuming the CO2 Laser Cutter. This will help prevent incorrect setup and potent anazards associated with improper equipment use. - Pre-start inspection: Conduct prough pre-start insurants to ensure the machine is correctly set up to the conduction of the commencing work. This includes checking the laser cutters against the set in the commencing work. This includes checking the laser cutters against the set in the set of correct installation of peripheral devices. - Proceedings and Islamg: Establish wear signage around the work area indicated the type work being done, the necessary personal protective equipment (PPE) as a devices. - Proceding and the potential hazards associated with CO2 Laser cutting. This will remain the rations of the risks involved and encourage safe practices. - Use of popro, atte PF. All staff members should be equipped with suitable PPE to has a fety or ses, gloves, and ear protection while working with the CO2 Laser Cut. For anothing materials in proximity to the machine. - Materian andling tools and equipment: Utilise suitable material handling tools and expired transportation of materials during the preparation process. - Correct storage and organisation of materials: Store materials in designated areas away from aisles, doorways, or other high-traffic zones to reduce the likelihood of tripping or other accidents. Maintain an organised workspace and ensure that materials are properly secured to prevent toppling or unintended movement. - Effective communication and supervision: Maintain open lines of communication among team members to share information about potential hazards, tasks, and proce	1L	
2. Equipment inspection	Laser malfunction, Electrical hazard	3H	- Ensure all operators have received adequate training in equipment handling, maintenance, and emergency procedures for the CO2 laser cutter.	1L	



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			- Prior to use, inspect the laser cutter for signs of wear or damage, including any cracks, broken or loose parts, and potential electrical hazards.		
			- Check the laser cutting system's grounding to count proper electrical connections and prevent potential short circuits or electrocut.		
			- Test the laser cutter's emergency stop but and other fety features to ensure they are functioning correctly.		
			- Examine the laser cutting area for obstructions and accidental fires or blockages aring operation.		
			- Properly clean the CO2 laser ter's lens and mirror wore each use to maintain optimal laser performance and microsise the risk of manunction.		
			- Perform rouse maintenage check according to the manufacturer's guidelines for the CO2 lase. Itter, ensuring all company are in good condition.		
			- Utili lockou procedure when performing maintenance or repairs on the laser of the avoid ccidental activation or exposure to electrical hazards.		
		1	- Implement monitor a system to continuously check the temperature, ventilation, and air mality the lat cutting area, reducing the likelihood of overheating and sociat mality stions.		
	•		- School regular inspections by certified technicians to identify and address any afety course or potential hazards with the laser cutting equipment.		
			- courage open communication among operators regarding safety concerns, nearmiss incidents, or observed hazards related to the CO2 laser cutter so that these issues can be promptly addressed.		
	6		- Continuously update safety protocols, guidelines, and operator training based on new industry advancements, regulatory changes, and lessons learned from past incidents, helping to minimise risks associated with equipment inspection and use.		
			Clearly mark the machine's power switch and emergency shut-off button to ensure workers know where they are located and can quickly and easily turn off the machine in case of unintended activation.		
			- Ensure workers receive thorough training on the machinery's safe use, maintenance procedures, and emergency stop controls.		
3. Machine start-up	3. Machine start-up Unintended activation, Sudden equipment failure	2M	- Implement safety interlocks or guarding devices to prevent access to the laser cutting area when the machine is running, reducing the risk of unintended activation.	1L	
			- Make sure that all workers using the CO2 Laser Cutter wear appropriate PPE, such as safety glasses, to protect them from potential hazards associated with sudden equipment failure.		
			- Develop a regular maintenance schedule for the laser cutter to ensure the timely replacement of worn-out parts and reduce the risk of sudden equipment failure.		



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			- Routinely test the machine's safety functions and interlocks to ensure they're functioning properly and will prevent unintended activation.		
			- Enforce a clean work environment to reduce the machine's performance, which could lead to sum on equipment failure.		
			- Verify that the proper ventilation system is place and ctioning well to clear the workspace of harmful fumes and contaminal		
			- Provide a clear line of sight around the laser can to allow worters to visually assess its operation and not cany irregularities amptly.		
			- Establish a designated start-u, and shut-down protection to ensure that workers follow the correct post, simish wisks during machine operation.		
			- Encourage arkers to implicately port are usues or abnormalities they notice during operation making it nore likely prential hazards are identified and addressed early		
			- Forb resplay distractions in the working area to maintain focus on the safe operating the matter early early early reduce the risk of unintended activation.		
			Require that they are and authorised workers operate the CO2 Laser Cutter to arante they familiar with the proper safety measures and precautions.		
4. Cutting process	Fire hazard, Toxic fumes release	ЗН		2M	



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5. Material repositioning	Manual handling injuries, Entanglement hazards	2M		1L	



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6. Adjust settings	Unauthorised changes, Accidental parameter change	2M		1L	



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JOB STEP SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	IR INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RR RESIDUAL RISK	PERSON NAME OF PERSON
	5				
7. Monitoring and supervision	Inadequate supervision, Lack of communication	2M		1L	



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8. Emergency shutdown	Failure to shut down immediately, Panic actions	3H		2M	



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9. Regular maintenance	Exposure to hazardous components, Slips or trips	21		1L	



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10. Waste disposal	Release of toxic sestances, Incorrect disposal methods	2M		1L	



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11. Post-operation clean-up	Exposure to cleaning channels, Sharptinjuries			1L	



SPECIFIC WORK STEPS HAZARDS THAT MAY ARISE INITIAL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS RESIDUAL RISK	RESPONSIBLE PERSON
12. Equipment storage Improper storage conditions, Space constraints 11.	



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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 REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF 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/acts-and-regulations

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice

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/legislat

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis

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/wo_place-

Codes of Practice NT: https://worksafe.nt.gov.au/5

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/le_lation

Codes of Practice for SA: https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs

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

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.

Victoria

Occupational Health at Safety Act 34

Occupational Health and Infety gulations 2017

Legis on VIC: https://www.safe.vic.gov.au/occupational-health-and-safety-act-and-

gulat

des on actice VIC attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

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
- 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
- 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.

	lions which are provided, and							
Worker Name	Pos	sition	Signature	Date	Time	Sup	pervisor	
				Date:				
				_				
				Date				
				l te:				
			AV	Date:				
				Date:				
				Date:				
				Date:				
	SAF WC A STHUD STATEMENT MONITORING AND REVIEW							
The SWMS must be reviewed regularly to pake sure it remains effective and must be reviewed (and revised if necessary) if relevant control measure are subcontracted by process should be carried out in consultation with workers (including contractors are subcontracted) who may be affected by the operation of the SWMS and their health and safety representatives who redesented that work group at the workplace. 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			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					
them to understand and imp					tently developing ever-imp	3 ,	· '	
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 P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.	P		
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 SWh			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting so tions.			
Responsible person is assigned and listed on the SWMS for the imperent of continue assures.			
Permit requirements specified, such as Hot Work, Veralt Heights etc.			
SWMS identifies plant and equipment to be u d.			
Details of inspection checks required for any equipment listed are noted 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.			
dentifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE R	EVIEWED	
SIGNATURE	DATE COMPLETED		