

Glass Grinder | SAFE WORK METHOD STATEMENT (SWMS)

TASK OR ACTIVITY: Glass Grinder

Business Name: [Company Name]

ABN: [ABN]

SWMS#

Business Address: [Company Address]

Contact Person:

Phone: [Phone]

Email:

THIS SAFE WORK METHOD STATEMENT IS APPROVED BY THE PCBU OF THE PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a safe work method statement (SWMS) is prepared before the proposed work starts.

Full Name:

Signature:

Title:

Date:

Details of the person(s) responsible for ensuring implementation, monitoring and compliance of the SWMS, as well as reviews and modifications of the SWMS.

Full Name:

Title:

Phone:

ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS SWMS MUST HAVE THE FOLLOWING COMMUNICATED

NAME AND DATED SIGNATURE OF ALL RELEVANT PERSONNEL WHO HAVE BEEN CONSULTED AND COMMUNICATED TO IN THE DEVELOPMENT AND APPROVAL OF THIS SWMS

Safety meetings or toolbox talks will be scheduled in accordance with legislative requirements to first identify any site hazards, then to communicate those hazards and then to further take steps to either eliminate or control each hazard.

NAME

SIGNATURE

DATE

If an incident or a near miss occurs, all work must stop immediately. 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.

CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS Provide a detailed description of the specific work being carried out (otherwise known as scope of works).
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Project Manager Signature:	
Date SWMS supplied to Project Manager:	

ANY HIGH-RISK CONSTRUCTION WORK BEING CARRIED OUT

<input type="checkbox"/> involves a risk of a person falling more than 2 meters.	<input type="checkbox"/> is carried out on or near pressurised gas mains or piping.
<input type="checkbox"/> is carried out on a telecommunication tower.	<input type="checkbox"/> is carried out on or near chemical, fuel or refrigerant lines.
<input type="checkbox"/> involves demolition of an element of a structure that is load-bearing.	<input type="checkbox"/> is carried out on or near energised electrical installations or services.
<input type="checkbox"/> involves demolition of an element related to the physical integrity of a structure.	<input type="checkbox"/> is carried out in an area that may have a contaminated or flammable atmosphere.
<input type="checkbox"/> involves, or is likely to involve, disturbing asbestos.	<input type="checkbox"/> involves tilt-up or precast concrete.
<input type="checkbox"/> involves structural alteration or repair that requires temporary support to prevent collapse.	<input type="checkbox"/> is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.
<input type="checkbox"/> is carried out in or near a confined space.	<input type="checkbox"/> is carried out in an area of a workplace where there is any movement of powered mobile plant.
<input type="checkbox"/> is carried out in/near a shaft or trench deeper than 1.5m or tunnel involving use of explosives.	<input type="checkbox"/> is carried out in areas with artificial extremes of temperature.
<input type="checkbox"/> is carried out in or near water or other liquid that involves a risk of drowning.	<input type="checkbox"/> involves diving work.

ANY HIGH-RISK MACHINERY OR EQUIPMENT NEARBY

<input type="checkbox"/> Forklift	<input type="checkbox"/> Crane/s	<input type="checkbox"/> Hoist/s	<input type="checkbox"/> Excavator	<input type="checkbox"/> Backhoe/Loader	<input type="checkbox"/> Boom Lift	<input type="checkbox"/> EWP	<input type="checkbox"/> Genie Lift
<input type="checkbox"/> Trencher	<input type="checkbox"/> Drilling Rig	<input type="checkbox"/> Trucks	<input type="checkbox"/> Formwork	<input type="checkbox"/> Bobcat	<input type="checkbox"/> Flammable Gas	<input type="checkbox"/> Fuel	<input type="checkbox"/> Dozer
<input type="checkbox"/> High Voltage	<input type="checkbox"/> Mulcher	<input type="checkbox"/> Tilt-up Panels	<input type="checkbox"/> Roller	<input type="checkbox"/> Scissor Lift	<input type="checkbox"/> Tractor	<input type="checkbox"/> Other -	

RISK MATRIX											
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HEIRARCHY OF CONTROLS			
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			Elimination Remove the hazard.			
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard.			
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard			
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Engineering Isolate the hazard.			
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records	Administrative Change the work.			
Notes on Hierarchy of Controls: Elimination methods are the most effective and preferred when controlling a hazard. Substitution is the second most effective method of controlling a hazard. Engineering by isolation is the third most effective, while Administrative Controls by changing the work is the fourth most effective method. PPE (Personal Protective Equipment) is the least effective method.											
PERSONAL PROTECTIVE EQUIPMENT (PPE)											
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING PROTECTION	EYE PROTECTION	RESPIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
											
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Select the appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).											
<p>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.</p> <p>When a SWMS has been revised, the person conducting a business or undertaking must ensure all:</p> <ol style="list-style-type: none"> persons involved in the work are advised that a revision has been made and how they can access the revised SWMS; 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, 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 equipment setup, Slips and falls	2M	<ul style="list-style-type: none"> - Provide training: Ensure that all workers who will be handling glass grinding equipment have been trained in the correct procedures and are familiar with the manufacturer's guidelines. - Inspect equipment: Regularly inspect the glass grinder and related tools for any signs of wear, damage or malfunction. - Anti-slip flooring: Install anti-slip matting around the work area to prevent slips and falls caused by water, lubricants or ground glass particles. - Proper lighting: Ensure the work area is well-lit for clear visibility of the workspace, helping to reduce the risk of accidents due to poor lighting conditions. - Keep work area clean: Clean up any spilled liquids promptly and remove any debris on the floor that could cause workers to trip, slip, or fall. - Correct use of PPE: Ensure that proper personal protective equipment (PPE) such as gloves, safety glasses, and long-sleeve clothing are worn when operating a glass grinder to minimise the risk of injury. - Use of barricades and warning signs: Set up barricades and warning signs around designated glass grinding areas to alert other workers to potential hazards and restricted access zones. - Equipment maintenance: Regularly service and maintain the glass grinder according to the manufacturer's guidelines to ensure it functions properly and safely. - Pre-operation checks: Conduct a thorough pre-use check of the glass grinder and associated equipment to ensure they are set up correctly and functioning optimally. - Follow manufacturer's guidelines: Always follow the manufacturer's setup and operational instructions for the specific glass grinder being used, preventing accidents resulting from incorrect equipment setup. - Emergency stop mechanisms: Ensure that the glass grinder is equipped with an accessible and functional emergency stop mechanism for workers to halt operations in case of an emergency. - No loose clothing: Workers should avoid wearing loose clothing, jewellery, or hair that can catch on moving parts of the glass grinder, causing injury. - Proper ergonomics: Adjust the height of the workspace to accommodate workers' levels, promoting better posture and reducing the risk of slips and falls. - Implement a buddy system: Assign workers to work in pairs or groups, ensuring that at least one person is always available to monitor the glass grinding operation and address any unexpected hazards. 	1L	
2. Handling materials	Manual handling injuries, Dropping heavy objects	3H	<ul style="list-style-type: none"> - Provide comprehensive manual handling training to all workers involved in the glass grinding process, including correct lifting techniques and how to use mechanical lifting aids. 	2M	

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			<ul style="list-style-type: none"> - Ensure that all staff wear appropriate personal protective equipment (PPE) such as gloves, safety shoes, and high-visibility clothing to protect themselves from potential injuries during material handling. - Use mechanical lifting aids like forklifts, pallet trucks, and hoists to minimise the amount of manual labour required, particularly when handling heavy or awkward items. - Implement a clear communication system among workers, such as hand signals or verbal cues, to ensure everyone is aware when materials are being moved or placed. - Establish designated walkways for transporting materials to avoid collisions with other workers or objects in the workspace. - Store glass sheets off the floor and secure them properly using sturdy racks or A-frame trolleys to reduce the risk of breakage and ensure easy access. - Conduct regular checks on equipment and tools used for material handling, ensuring they are well-maintained and safe for use. - Encourage workers to practice good housekeeping and maintain a clean working environment, reducing the likelihood of slips, trips, and falls while handling materials. - Wherever possible, avoid stacking glass sheets onto unstable surfaces or piling them too high, as this could lead to tipping hazards and an increased risk of injury. - Utilise specialised glass handling equipment, such as suction cups or vacuum lifters, to help prevent falling or slipping hazards while moving glass panels. - Ensure workspaces have adequate lighting, promoting better visibility when handling materials and minimising potential accidents. - Encourage teamwork among workers, particularly when it comes to lifting and moving large or heavy objects, to distribute weight and reduce the strain on individuals. - Implement regular breaks for those engaged in continuous heavy lifting tasks, helping to reduce fatigue and the chance of injuries arising from repetitive strain. 		
3. Inspection	Glass shard injury, Dust inhalation	2M	<ul style="list-style-type: none"> - Personal Protective Equipment (PPE): Ensure that all workers are wearing appropriate PPE, such as safety glasses, gloves, respiratory masks or dust masks, and hearing protection. - Pre-shift briefing: Conduct a pre-shift briefing with all workers to inform them about the hazards associated with glass shard injuries and dust inhalation, and discuss the relevant control measures in place. - Regular equipment inspection: Schedule routine inspections of the glass grinder to ensure it's functioning properly and safely, and to identify and address any potential issues before they escalate. 	1L	

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			<ul style="list-style-type: none"> - Housekeeping: Maintain a clean and clutter-free work area to minimise the risk of glass shard injuries, and promptly remove accumulated dust to reduce dust inhalation hazards. - Ventilation systems: Install an effective ventilation system in the workplace to extract and filter airborne dust particles, thereby improving air quality and reducing the risk of dust inhalation. - Clear signage: Display clear signage around the glass grinding area to warn workers of the potential hazards, and to remind them to follow the necessary precautions and control measures. - Proper handling techniques: Train workers in proper handling techniques when dealing with glass shards, such as using tools instead of hands, and ensuring hands are always away from the sharp edges. - First-aid kits and emergency response: Keep a well-stocked first-aid kit on hand, and establish an emergency response plan for addressing glass shard injuries and respiratory issues resulting from dust inhalation. - Dust exposure monitoring: Implement regular monitoring of dust levels in the workplace to ensure that exposure remains below the recommended limits set by local regulations or industry standards. - Training and supervision: Provide ongoing training for employees on workplace health and safety procedures, specifically in relation to glass grinding operations. Ensure that workers are adequately supervised to reinforce compliance with these procedures. - Review and update SWMS: Regularly review and update the Safe Work Method Statement (SWMS) for glass grinding tasks, incorporating any new hazards or control measures identified through ongoing risk assessments and feedback from workers. 		
4. Grinding glass	Flying debris, Excessive noise exposure	3H	<div>REDACTED</div> <div>REDACTED</div> <div>REDACTED</div> <div>REDACTED</div> <div>REDACTED</div>	2M	

[illegible]

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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
10. Maintenance of equipment	Entrapment hazards, Unguarded moving parts			1L	
11. Waste disposal	Broken glass injuries, Incorrect waste disposal	2M		1L	

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			<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		
12. Emergency response	Inadequate training, Ineffectual communication	2M	<div></div> <div></div> <div></div>	1L	

[illegible]

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 IF ANY STATE THAT 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>

Victoria

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-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/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-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>

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-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

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.

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:		
			Date:		
			Date:		
			Date:		
			Date:		
			Date:		
			Date:		

SAFE WORK METHOD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remains effective and must be reviewed (and revised if necessary) if relevant control measures are needed. 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 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	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 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.	<input type="checkbox"/>	<input type="checkbox"/>	
Names and signatures of all relevant personnel consulted during the development of the SWMS.	<input type="checkbox"/>	<input type="checkbox"/>	
Name, signature, position and date signed of the person approving the SWMS.	<input type="checkbox"/>	<input type="checkbox"/>	
Specific personnel and qualifications, experience is noted in the SWMS.	<input type="checkbox"/>	<input type="checkbox"/>	
Provides a step-by-step process of tasks required to carry out the activity or task.	<input type="checkbox"/>	<input type="checkbox"/>	
Adequate risk assessment of any identified hazards has been completed.	<input type="checkbox"/>	<input type="checkbox"/>	
Foreseeable hazards are identified and documented for each step.	<input type="checkbox"/>	<input type="checkbox"/>	
Any hazards listed in any site risk assessments have been added to the SWMS.	<input type="checkbox"/>	<input type="checkbox"/>	
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.	<input type="checkbox"/>	<input type="checkbox"/>	
Check control measures added to the SWMS are the most effective solutions.	<input type="checkbox"/>	<input type="checkbox"/>	
Responsible person is assigned and listed on the SWMS for the implementation of control measures.	<input type="checkbox"/>	<input type="checkbox"/>	
Permit requirements specified, such as Hot Work, Electrical Work, Work at Heights etc.	<input type="checkbox"/>	<input type="checkbox"/>	
SWMS identifies plant and equipment to be used.	<input type="checkbox"/>	<input type="checkbox"/>	
Details of inspection checks required for any equipment listed are noted on the SWMS.	<input type="checkbox"/>	<input type="checkbox"/>	
Describes any mandatory qualifications, experience, training, skills required to perform the work.	<input type="checkbox"/>	<input type="checkbox"/>	
Applicable personal protective equipment is selected on the SWMS.	<input type="checkbox"/>	<input type="checkbox"/>	
Lists any required permits or licenses.	<input type="checkbox"/>	<input type="checkbox"/>	
Reflects and documents any legislative references and/or Australian Standards.	<input type="checkbox"/>	<input type="checkbox"/>	
Identifies any hazardous substances used with specific control measures in line with any SDS.	<input type="checkbox"/>	<input type="checkbox"/>	
REVIEWED BY		DATE REVIEWED	
SIGNATURE		DATE COMPLETED	