

Brake Drum	Machining Operations Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI		
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ntle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			



				F	RISK MATRIX			
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
4A       Stop work. The risk is intolerable, cominate the hazard on redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisation is required.       Remember to approve additional controls the control state of						<ol> <li>Substitute</li> <li>Isolate</li> <li>Engineering</li> </ol>		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	elimination		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Winor breach; adverse client comment work (2023) and ISO 45001:2018 clauses 6–8.			
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
			no schedule	Deviation caught and corrected on site				



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Slippery floor, Poor lighting	ЗН	<ul> <li>Ensure floors are clean and dry before operations houn</li> <li>Improve lighting around the work area</li> <li>Use signage to warn about the conditions.</li> <li>Perform regular maintenance check-ups for a line ong fixtures</li> <li>Equip workers with suitable notwear with good about the recognize all respond to unsafe and the second t</li></ul>	2M
2. Tool Inspection	Faulty equipment, Univoelleo.cools		<ul> <li>Estable n a regular interaction schedule for all tools</li> <li>Jain Welkers have oper tool inspection techniques</li> <li>Replace of repair faulty equipment immediately</li> <li>Jearly label all tools with inspection and expiry dates</li> <li>Conduct pre-use checks to ensure functionality</li> <li>Have a system for reporting and tagging defective tools</li> <li>Maintain a logbook for tool maintenance records</li> <li>Provide supervised training sessions for all new employees</li> <li>Ensure that spare parts are available when needed</li> <li>Develop a checklist for tool hazards identification.</li> <li>Educate workers on the importance of equipment maintenance.</li> </ul>	1L
3. Securing Work Piece	Improper clamping, Surface debris	4A	<ul> <li>Use appropriate clamping devices for the work piece</li> <li>Inspect clamps and bolts for wear and tear regularly</li> <li>Remove debris and residues from the surface before clamping</li> <li>Confirm that clamping pressure is evenly distributed</li> <li>Apply visual checks for proper alignment before starting the machine</li> <li>Incorporate use of PPE such as gloves when handling materials</li> <li>Assign experienced personnel for initial setups</li> </ul>	2M



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			- Regularly train workers on the importance of securing the work piece	
			- Use engineered fixtures for complex pieces	
			- Document and follow work piece clamping processes.	
			- Ensure easy access to clamps for quick constraints.	
4. Operating Machinery	Machine entanglement, Noise	4A		ЗН
5. Cutting Operations	Flying debris, Sharp edg	ЗН		2М
6. Material Handling	Manual handling injury, Dropped loads	4A		2М

Version 2.5

Review #



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7. Machine Maintenance	Chemical exposure, Electrical hazards	4A		1L
8. Lockout/Tagout	Unexpected machine start-up, Inadequate de-energising	4A		1L
9. Coolant Management	Spillage, Skin irritation	ЗН		2M

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10. Emergency Procedures	Injuries, Panic	14		2M
11. De-clamping Work Piece	Fall risk, Pinching	ЗН		2M

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12. Clean-up Operations	Chemical residues, Sharps	ЗН		2М
13. Waste Management	Contamination, In requate disposal	ЗН		1L
14. Comprehensive Training	Operator error, Lack of knowledge	4A		2M

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15. Reporting Incidences	Underreporting, Slow response	ЗН		1L
16. Exit and Egress	Blocked exits, Tripping Kurd	ЗН		1L



#### **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 RI	EFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	SLATIVE 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: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws">https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</a> Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a>	Victoria Occupational Health au Safety Act 204 Occupational Health and orfety regulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-oulates</u> Codes of mactice 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: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislati-codes">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes</a> racth         Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes-oi.</a> racth	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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serv-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serv-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serv-laws</u>	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_laces/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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> <li>Work health and safety consultation, cooperation and coordination</li> </ul>
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.	<ul> <li>Mont heart and safety constitution, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>