

Creating Do	vetail Joints With Jigs Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF Y PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	ure that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			



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		
Risk Rating & Required Action: 4A Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisatic is required. 3H Review and approve additional controls to come task parts. Senior supervisor sign-off needed. 2M Ensure all nominated controls are in prace and efficience with caution; monitor conditions. 1L Proceed, following standard operating procedures Monitor and keep records. Consequence Scale:							Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if		
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		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	Minor 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	Improper setup, Wrong tools	ЗН	 Verify setup through checklist before starting Ensure correct tools are selected for the job Conduct a pre-work briefing with all personnel Calibrate machining equipment according to expression selected for the job selection work area is tidy and free from unneced ry items Confirm work area is tidy and free from unneced ry items Use appropriate PPE: safety resses, gloves, ear patential Train all employee on a schine mandling procedures Post clear to rational instructions for ry work ations Tester lequipment operations without to aerials first Implement lockor agout procedure before setup 	2М
2. Material Selection	Splinters, Heavy lifting	27	 Wear Laprovinte PP uncluding gloves The memanica wids for lifting heavy materials Stack or verials safely to prevent toppling train workers on proper lifting techniques Store materials in dry environments to prevent deterioration Inspect materials for damages before selection Use proper protective clothing based on material type Educate workers on the characteristics of materials Label all materials for easy and safe identification Maintain clear pathways for material handling 	1L
3. Marking Out	Exposure to marking tools, Inaccurate measurements	ЗН	 Use tools with retractable tips for safety Ensure marking tools are maintained and in good condition Provide training on proper tool usage and maintenance Verify measurements using calibrated measuring tools Cross-check measurements with a partner Illuminate work area adequately Use marking aids like rulers and templates Keep hands away from marking tips during use 	1L



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			- Organize tools to avoid clutter	
			- Document all measurement decisions and checks	
4. Cutting Joints	Blade contact, Cutting inaccuracies	4A		2M
5. Jig Assembly	Pinching, Alignme errors	ЗН		2М
6. Testing Setup	Equipment malfunction, Interference with operation	4A		2M



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7. Adjusting Jig	Tools slippage, Incorrect adjustments	ЗН		2M
8. Cutting Dovetails	Kickback, Blade ex,	IA		2M
9. Sanding Edges	Dust inhalation, Surface burns	ЗН		1L



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10. Final Assembly	Misalignment, Pinched fingers	зн		2M
11. Cleanup	Slips and trips, Sharp tool contact	2М		1L
12. Inspection	Overlooking defects, Equipment malfunction	ЗН		1L



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13. Training Review	Training fatigue, Misinterpretation of procedures	2М		1L
14. Maintenance	Tool failure, Inadequate contracte	ЗН		1L
15. Documentation	Incorrect documentation, Data loss	2M		1L



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16. Review and Feedback	Disregarded feedback, Unresolved issues	2М		1L
17. Continuous Improvement	Resistance to change, Improper implementation	2М		1L
18. Emergency Procedures	Inadequate emergency response, Unfamiliarity with procedures	ЗН		1L



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19. Machinery Shutdown	Unexpected operation, Energy discharge	ЗН		2M
20. Post-Work Debrief	Miscommunication, Overlooked issues	2М		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 REFERENCES							
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	LATIVE 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	Victoria Occupational Health au Safety Actor 04 Occupational Health and onfety or gulations 2017 Legismon VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-oulations</u> Unless on vactice VIC <u>autps://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/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	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: <u>https://worksafe.nt.gov.au/laws-and-compliance/worplace-set-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formerset-set-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: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/word Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012	 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 						
Work Health and Safetý (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/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Details of permits, licenses or access required by regulatory bodies (add or delete as required): - - Permits from local council -	 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 						
 Permits from local council Authorisation to commence work Any required documents. 	- Managing risks of plant in the workplace - Construction work						