

# Hazard Register



Type	LASER ENGRAVER	Location	
Make	-	Sale Number	3026340
Model	-	Lot Number	18
Serial Number			

ID	Hazard Type	Hazard Description
138796.1	Plant Operation	READ SAFETY INSTRUCTIONS AVAILABLE WITH PLANT. ENSURE A COPY OF THE MANUFACTURERS MANUAL IS OBTAINED AND OPERATORS HAVE AN UNDERSTANDING IN OPERATION OF THIS PLANT.
138796.2	PPE	PERSONAL PROTECTIVE EQUIPMENT (PPE) - IDENTIFY TYPE AND PROVIDE INSTRUCTION/INFORMATION RE: USE, STORAGE, CARE AND MAINTENANCE OF PPE (E.G. EYE & HEAR PROTECTION, DUST MASK ETC.) SIGNAGE MUST BE ATTACHED RE: THE USE OF APPROPRIATE EYE PROTECTION
138796.3	Plant Operation	LASER FLASH CAN CAUSE INJURY (WARNING SIGNS PRESENT). PROVIDE PROTECTION FOR THE OPERATOR (PPE) AND TO PROTECT PERSONS IN THE VICINITY OF ANY OPERATING PROCESSES.
138796.4	Electrocution	HIGH VOLTAGE OUTPUT WITHIN PLANT. ENSURE LOCK OUT AND ISOLATION PROCEDURES ARE IMPLEMENTED PRIOR TO OPENING ANY PANEL OR CONDUCTING MAINTENANCE ON THIS PLANT. THERE IS AN ISOLATION POINT ON THE MAIN CONTROL PANEL OF THE PLANT.
138796.5	Risk Control	IDENTIFY ALL OPERATIONAL HAZARDS ASSOCIATED WITH PLANT, RISK ASSESS IDENTIFIED HAZARDS AS PER AS4360:2004 RISK MANAGEMENT AND IMPLEMENT APPROPRIATE CONTROLS. DOCUMENT ALL RISK ASSESSMENTS.
138796.7	Emergency Stop	IF E-STOPS PRESENT ON PLANT. ENSURE E-STOPS ARE REGULARLY TESTED FOR SAFETY.
138796.8	Signage	ALL OPERATOR CONTROLS MUST BE CLEARLY IDENTIFIED AND LABELLED.
138796.9	Electrical	PLANT NEEDS TO BE REGULARLY INSPECTED AND MAINTAINED AS PER AS/NZS3760: IN-SERVICE SAFETY INSPECTION AND TESTING OF ELECTRICAL EQUIPMENT AND AS/NZS3000: WIRING RULES AND/OR AS1543: ELECTRICAL EQUIPMENT OF INDUSTRIAL MACHINES. PLANT TO BE USED IN CONJUNCTION WITH EARTH LEAKAGE CIRCUIT BREAKER (SAFETY SWITCH) AND OVERLOAD PROTECTION.
138796.10	PLANT DAMAGE	AN EMPLOYER MUST ENSURE THAT IF THE PLANT HAS BEEN DAMAGED, AND THE DAMAGE COULD LEAD TO AN INCREASED HEALTH AND AFETY RISK, THE EMPLOYER MUST ENSURE THAT A COMPETENT PERSON ASSESSES THE DAMAGE AND DETERMINES WHAT REPAIRS MUST BE MADE TO MINIMISE THE RISK AND CARRIES OUT THE REPAIR AND ANY TESTING TO ENSURE THAT IT REMAINS WITHIN THE DESIGN LIMIT.
138796.12	Training & Competency	A PERSON MUST NOT OPERATE OR USE CERTAIN TYPES OF PLANT, OR EMPLOY OR DIRECT ANOTHER PERSON TO OPERATE OR USE SUCH PLANT, IF THE OPERATOR DOES NOT POSSESS A CERTIFICATE OF COMPETENCY OR RECOGNISED QUALIFICATION TO OPERATE THAT PLANT. ENSURE OPERATOR IS APPROPRIATELY LICENSED/CERTIFIED/COMPETENCY ASSESSED TO OPERATE PLANT. ENSURE RECORDS OF QUALIFICATIONS ARE RETAINED ONSITE.
138796.13	Work Method	AIRBORNE FUMES, DUSTS AND CHEMICALS ASSOCIATED WITH THE USE OF THE PLANT AND THE OPERATIONAL PROCESSES . REFER TO MSDS, UNDERTAKE ANALYSIS OF AIRBORNE CONCENTRATION FUMES AND DUSTS , UNDERTAKE RISK ASSESSMENT AND IMPLEMENT APPROPRIATE CONTROLS EG FUME/ DUST EXTRACTION SYSTEM, CLEANING OF FILTERS AND FUME CAPTURE SYSTEMS.

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138796.15	Safe Work Method Statement (SWMS)	CONDUCT SAFE WORK METHOD STATEMENTS FOR TASKS ASSOCIATED WITH REMOVAL AND REINSTALLATION OF PLANT AS REQUIRED BY QLD WH&S REGULATIONS AND CODES OF PRACTICE.
138796.19	AIR PRESSURE	ENSURE ALL HOSES AND FITTINGS ARE REGULARLY INSPECTED AND MAINTAINED.
138796.21	Noise	AN EMPLOYER MUST ENSURE THAT APPROPRIATE CONTROL MEASURES ARE TAKEN IF A PERSON IS EXPOSED TO NOISE LEVELS THAT EXCEED AN 8-HOUR NOISE LEVEL EQUIVALENT OF 85 DB(A), OR PEAK AT MORE THAN 140 DB(C). IF NOISE IS ABOVE PRESCRIBED LIMITS NOISE MEASUREMENT IS TO BE MADE IN ACCORDANCE WITH AS/NZS 1269.1:1998 OCCUPATIONAL NOISE MANAGEMENT PART 1: MEASUREMENT AND ASSESSMENT OF NOISE EMISSION AND EXPOSURE, AND EXPOSURE TO NOISE IS TAKEN TO BE MEASURED AT THE POSITION OF THE EARS OF A PERSON, OR AT AN EQUIVALENT OF THAT POSITION, AND THE MEASUREMENT IS TO BE MADE ON THE ASSUMPTION THAT THE PERSON IS NOT WEARING ANY DEVICE TO PROTECT HIMSELF OR HERSELF FROM NOISE.
138796.22	Maintenance	AN EMPLOYER MUST PERFORM MAINTENANCE, INSPECTION AND CLEANING ON PLANT IN ACCORDANCE WITH THE MANUFACTURER'S AND DESIGNER'S REQUIREMENTS AND MUST PUT IN PLACE THE NECESSARY FACILITIES AND SYSTEMS OF WORK TO ENSURE THE SAFETY OF PERSONS WHO PERFORM THE MAINTENANCE, INSPECTION AND CLEANING TASKS. IF ACCESS TO THE PLANT IS REQUIRED TO PERFORM THESE TASKS, THE PLANT MUST BE STOPPED AND ONE OR MORE OF THE FOLLOWING MEASURES MUST BE USED TO CONTROL THE RISKS -LOCKOUT OR ISOLATION DEVICES, DANGER TAGS , PERMIT TO WORK SYSTEMS OR OTHER CONTROL MEASURES.
138796.23	Legislation	AN EMPLOYER MUST ENSURE THAT CLASS 3B OR CLASS 4 LASERS OR LASER PRODUCTS AS DEFINED IN AS/NZS 2211.1:1997 LASER SAFETY: EQUIPMENT CLASSIFICATION, REQUIREMENTS AND USER'S GUIDE, ARE USED CORRECTLY AND DO NOT PRESENT A RISK TO PERSONS OPERATING PLANT
138796.24	PLANT DAMAGE	CONDITION UNKNOWN. ENSURE THAT A QUALIFIED PERSON INSPECTS THIS PLANT PRIOR TO USE IN THE WORKPLACE.

Health and Safety  
Plant Safety  
Purchaser Information

This plant health and safety information has been prepared by Grays for the purchaser of the plant item as required by National WHS Legislation. Whilst every effort has been made to identify all of the hazards, it should be recognised that all reasonably practicable hazards have been identified given due consideration to:

- state of knowledge about the plant item
- the availability and suitability of ways to eliminate or control the hazards
- the cost of evaluating, eliminating or controlling the hazard

Consequently, if this plant item is being purchased for use at a place of work, the purchaser is reminded of their obligations to involve and consult with employees in identifying foreseeable hazards, assess their risks and to take action to eliminate or control the risks.

In order to assess the risk, it is necessary to consider for all the identified hazards, the chance (likelihood) of something happening that would impact (consequence) on health and safety at the workplace. The following guidelines are provided to assist the purchaser in consistently carrying out an assessment of risk:

Likelihood	Consequences
<ul style="list-style-type: none"><li>• Frequency and duration of exposure</li><li>• Probability of occurrence of hazard or event (including part history of incidents)</li><li>• Possibility to avoid / minimize or limit the damage, impact or harm</li><li>• Reliability and effectiveness of existing / established systems of control</li></ul>	<ul style="list-style-type: none"><li>• Assume “worst case” injury, but also competent follow-up medical and rehabilitation support</li><li>• Consider forces or energy levels, highest belt tensions, size of gears, pulleys or other entrapment points and therefore body parts likely to be injured</li><li>• Consider sharpness of entrapment points, surrounding parts likely to exacerbate injury, and any give in the entrapment point</li><li>• Consider, will entrapment continue until plant is stopped, or can an injured part travel through the entrapment area</li><li>• Are temperatures of plant, or chemicals, likely to further injure entrapped person</li></ul>

The outcome of the risk assessment will be a prioritised list of risk control strategies and actions consistent with the following ratings:

- Low risk- may be considered acceptable, where the existing controls in place are seen to be effective, requiring periodic monitoring for effectiveness.  
Medium risk- considered to be unacceptable and requiring additional risk controls within medium to long term.  
High risk – considered to be unacceptable and requiring action within the short to medium term.  
Extreme risk – unacceptable, where immediate action required.

In all of these cases employees/operators must be made aware of the risk controls in place to protect them from the hazards.