⚠ WARNING

General Machinery Safety Instructions

Machinery House
requires you to read this entire Manual before using this machine.

1. **Read the entire Manual before starting machinery.** Machinery may cause serious injury if not correctly used.
2. **Always use correct hearing protection when operating machinery.** Machinery noise may cause permanent hearing damage.
3. **Machinery must never be used when tired, or under the influence of drugs or alcohol.** When running machinery you must be alert at all times.
4. **Wear correct Clothing.** At all times remove all loose clothing, necklaces, rings, jewelry, etc. Long hair must be contained in a hair net. Non-slip protective footwear must be worn.
5. **Always wear correct respirators around fumes or dust when operating machinery.** Machinery fumes & dust can cause serious respiratory illness. Dust extractors must be used where applicable.
6. **Always wear correct safety glasses.** When machining you must use the correct eye protection to prevent injuring your eyes.
7. **Keep work clean and make sure you have good lighting.** Cluttered and dark shadows may cause accidents.
8. **Personnel must be properly trained or well supervised when operating machinery.** Make sure you have clear and safe understanding of the machine you are operating.
9. **Keep children and visitors away.** Make sure children and visitors are at a safe distance for you work area.
10. **Keep your workshop childproof.** Use padlocks, Turn off master power switches and remove start switch keys.
11. **Never leave machine unattended.** Turn power off and wait till machine has come to a complete stop before leaving the machine unattended.
12. **Make a safe working environment.** Do not use machine in a damp, wet area, or where flammable or noxious fumes may exist.
13. **Disconnect main power before service machine.** Make sure power switch is in the off position before re-connecting.
14. **Use the Correct Extension Lead.** Extension leads should be avoided where possible but If required, always use an extension lead that is rated for the power requirements of your machinery. Using an incorrectly rated extension lead can lead to overheating, damage to machinery, or potential fire hazards. Ensure leads are in good condition and free of damage. Replace if faulty.
15. **Keep machine well maintained.** Keep blades sharp and clean for best and safest performance. Follow instructions when lubricating and changing accessories.
16. **Keep machine well guarded.** Make sure guards on machine are in place and are all working correctly.
17. **Do not overreach.** Keep proper footing and balance at all times.
18. **Secure workpiece.** Use clamps or a vice to hold the workpiece where practical. Keeping the workpiece secure will free up your hand to operate the machine and will protect hand from injury.
19. **Check machine over before operating.** Check machine for damaged parts, loose bolts, Keys and wrenches left on machine and any other conditions that may effect the machines operation. Repair and replace damaged parts.
20. **Use recommended accessories.** Refer to instruction manual or ask correct service officer when using accessories. The use of improper accessories may cause the risk of injury.
21. **Do not force machinery.** Work at the speed and capacity at which the machine or accessory was designed.
22. **Use correct lifting practice.** Always use the correct lifting methods when using machinery. Incorrect lifting methods can cause serious injury.
23. **Lock mobile bases.** Make sure any mobile bases are locked before using machine.
24. **Allergic reactions.** Certain metal shavings and cutting fluids may cause an ellergic reaction in people and animals, especially when cutting as the fumes can be inhaled. Make sure you know what type of metal and cutting fluid you will be exposed to and how to avoid contamination.
25. **Call for help.** If at any time you experience difficulties, stop the machine and call you nearest branch service department for help.

⚠ WARNING

Electric Wire Rope Hoist - Safety Instructions

Machinery House
requires you to read this entire Manual before using this machine.

1. **Supporting Structure Requirement.** Have a qualified structural engineer verify that the supporting structure (I-beam, gantry, bracket or mounting point) is capable of safely supporting the maximum rated load of your specific Electric Wire Rope Hoist model. Ensure the structure and all mounting hardware meet load requirements and are securely installed with adequate support.

2. **Hoist Condition.** The Electric Wire Rope Hoist must be maintained in proper working condition at all times. Never operate a hoist with damaged, worn, or missing components. Scheduled routine maintenance must be performed. Inspect the wire rope, hook, latch, housing, power cord, pendant control and mounting bracket for signs of wear, fraying, cracks, distortion or damage. Replace defective components immediately.

3. **Crushing Hazard.** Never place any part of your body under the hoist or under a suspended load. Serious injury or death can occur. Keep hands, feet and clothing clear of the wire rope, drum and moving components. Use assistance when installing the hoist, as it may be heavy.

4. **Work area hazards.** Maintain a clear and controlled work area. Keep bystanders at a safe distance during lifting operations. Always remain aware of surrounding personnel and obstructions to prevent unintended accidents.

5. **Overloading Chain/Lever Block.** Do not exceed the rated lifting capacity of the hoist. Overloading can cause equipment failure and serious injury. Always use correctly rated lifting slings, shackles and attachments. Confirm load weight before lifting.

6. **Warning Labels.** Read and follow all warning labels attached to the hoist. Do not remove, obscure or tamper with safety labels under any circumstances.

7. **Load Security.** Do not lift loads that are unstable, loosely stacked or not properly secured. Unsecured loads may shift or fall, resulting in serious injury or damage. Ensure the load is correctly rigged and balanced before lifting.

8. **Safe Operation.** Operate the hoist using the pendant control in a smooth and controlled manner. Avoid sudden starts and stops.
   - Ensure the load is positioned directly below the hoist before lifting to prevent side loading.
   - Never allow the wire rope to twist, kink or run at an angle.
   - Keep the load as close to the ground as practical during movement.
   - Do not operate the hoist if the wire rope is not correctly seated on the drum.

9. **Limit Switches & Safety Devices.** Do not bypass or tamper with limit switches or safety devices. These are designed to prevent over-travel and equipment damage. Always stop operation if a safety device activates.

10. **Prohibited Use.** The Electric Wire Rope Hoist must never be used to lift or transport personnel. Children must never be allowed near the equipment.

11. **Emergency Procedures.** In the event of abnormal noise, vibration, electrical fault, overheating, or difficulty during operation, stop immediately and disconnect power. Contact your nearest authorised service department for assistance.

Hazard Identification & Risk Assessment - Electric Wire Rope Hoist

This risk assessment has been developed with reference to AS 1418.2:2020 – Cranes, Hoists and Winches – Part 2: Serial Hoists and Winches, as well as the Safe Work Australia Model Code of Practice: Managing the Risks of Plant in the Workplace, to ensure compliance with relevant safety standards and best practices for the safe use of Electric Wire Rope Hoist.

Hazard Identification	Hazard	Risk Rating (Before Controls)	Controls	Risk Rating (After Controls)	Responsible Person
Overloading beyond Rated Capacity (WLL)	Structural failure, load drop, serious injury or fatality	Medium	• Never exceed rated WLL. • Clearly mark WLL. • Operator training.	Low	Operator
Failure of Supporting Structure	Collapse of beam or mounting point	High	• Supporting structure to be assessed by structural engineer. • Mounting hardware to meet required load rating. • Compliance with AS 1418 structural requirements.	Low	Operator
Improper rigging	Load shift, entanglement	High	• Use certified slings. • Secure hooks. • Vertical lifting only.	Medium	Operator
Load instability	Crushing or impact injury	Medium	• Centre load. • Avoid sudden motion. • Use taglines.	Low	Operator
Pinch or strain injury	Hand or muscle injury	Medium	• Wear gloves. • Use smooth motion. • Maintain posture.	Low	Operator
Inadequate training	Improper use	High	• Certified training. • Supervision of new staff.	Low	Operator
Wire Rope Damage	Rope failure and load drop	Medium	• Pre-use inspection. • Remove from service if broken wires, corrosion, kinking or deformation detected.	Low	Operator
Electrical Shock	Serious injury or fatality	Medium	• Hoist to comply with AS/NZS 3100. Proper earthing required. • Do not operate with damaged cables. Isolate power before servicing.	Low	Operator

The Safe Operation Manual for the Electric Wire Rope Hoist must be read in conjunction with the Safety Instructions and Risk Assessment to ensure proper understanding and safe operation of the equipment.

Risk Matrix

	Insignificant	Minor	Moderate	Major	Severe
Rare	Low	Low	Low	Medium	High
Unlikely	Low	Low	Medium	Medium	High
Possible	Low	Medium	Medium	High	High
Likely	Medium	Medium	High	High	Extreme
Almost Certain	Medium	High	High	Extreme	Extreme

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Authorised and signed by:

Safety officer: .....

Safety officer: .....

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