



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 allergic 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.



Deburring Machine Safety Instructions

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

- 1. Maintenance.** Make sure the deburring machine is turned off and disconnect from the main power supply and make sure all moving parts have come to a complete stop before any inspection, adjustment or maintenance is carried out.
- 2. Deburring Machine Condition.** Deburring Machine must be maintained for a proper working condition. Never operate a deburring Machine that has damaged or worn parts. Scheduled routine maintenance should be performed on a scheduled basis.
- 3. Leaving a Deburring Machine Unattended.** Always turn the deburring Machine off and make sure all moving parts have come to a complete stop before leaving the machine. Do not leave deburring Machine running unattended for any reason.
- 4. Avoiding Entanglement.** Remove loose clothing, belts, or jewelry items. Never wear gloves while machine is in operation. Keep Hands clear of the disc at all times while in operation. Tie up long hair and use the correct hair nets to avoid any entanglement with the deburring spindle or moving parts.
- 5. Deburr Disc key safety.** Make sure machine is turned off before changing discs or any adjustment to the locking bolt. Make sure Discs are locked tight before use. NOTE: Dual disc head machines will normally have a left hand thread on one side and a right hand thread on the other side. Always remove the allen key wrench and any service tools immediately after use. Allen keys left in the deburr head can cause serious injury.
- 6. Deburring Discs.** Always use the correct deburring disc for the job you are deburring. Deburring discs are labelled with the rotation, always ensure they are fitted to the correct side of the spindle. Make sure discs are in good working condition and held firmly in place. Replace worn sanding pads. Never exceed the disc maximum rpm. Use correct even pressure when deburring and never over force deburring disc onto work piece. Overloading machine can wear disc out unnecessarily, overload the motor and can cause serious injury if parts fly out of the working area under heavy pressure.
- 7. Work pieces - Material.** Inspect the work piece for sharpness, chips, or cracks before use. Be aware that cracked material or loose burrs can fly off the table by the deburring head and cause serious injury. Material edges can be very sharp and can cause lacerations. Handle material with care, wear safety gloves while handling material.
- 8. Understand the machines controls.** Make sure you understand the use and operation of all controls.
- 9. Vacuum Area of Table.** Always position parts over the vacuum area of the table. The down draft table helps hold the work pieces to the table while deburring.
- 10. Disc spindle Head.** Make sure the Disc spindle has come to a complete stop and turn machine off before changing the discs or rotating the disc head. Do not slow or stop the spindle by using you hand. Keep hand clear of moving parts at all time while deburring. Serious injury or entanglement can occur.
- 11. Dust Hazard.** Deburring causes hazardous dust, which may cause long term respiratory problems if inhaled. Always wear an approved respirator when grinding.
- 12. Speed selection.** Select the appropriate speed for the type of disc you are using, Discs can't exceed certain speeds (rpm), please refer to disc maximum working speeds before use. Allow the Disc to reach full speed before beginning deburring.
- 13. Spindle Rotation.** The main motor has a dual spindle which is marked Side A & Side B. Side A will operate in a clock wise direction and Side B will operate in a Anti-Clockwise direction. Always ensure the deburring disc is fitted to the correct spindle and rotating in the correct direction.
- 14. Rotating head.** Make sure lock pin that secure the head for tilting are locked on place correctly. If head slips and tilts while in use can cause serious injury. Please refer to Disc head Tilting Instructions for correct procedure.
- 15. Clearing chips.** Always use a brush to clear chips. Never clear chips when the disc is running.
- 16. Protective wear.** Wear a jacket and eye safety shield while operating machine. Wear safety gloves when handling work pieces off and onto the table.
- 17. Power outage.** In the event of a power failure during use of the deburring machine, turn off all switches to avoid possible sudden start up once power is restored.
- 18. Clean work area.** Keep the area around the deburring machine clean from oil, tools and chips.
- 19. Call for help.** If at any time you experience difficulties, stop the machine and call you nearest branch service department for help.

PLANT SAFETY PROGRAM

NEW MACHINERY HAZARD IDENTIFICATION, ASSESSMENT & CONTROL

Deburring Machine

Developed in Co-operation Between A.W.I.S.A and Australia Chamber of Manufactures
This program is based upon the Safe Work Australia, Code of Practice - Managing Risks of Plant in the Workplace (WHSA 2011 No10)

Item No.	Hazard Identification	Hazard Assessment	Risk Control Strategies (Recommended for Purchase / Buyer / User)
A	ENTANGLEMENT	HIGH	Eliminate, avoid loose clothing / Long hair etc.
B	CRUSHING	LOW	Secure & support workpiece on deburr table.
B	CRUSHING	HIGH	Deburr head tilting Locking pin - please refer to Deburr head tilting instruction for correct procedure.
			Incorrect adjustment may result in the head becoming loose and a crushing hazard
C	CUTTING, STABBING, PUNCTURING	MEDIUM	Isolate power to machine prior to any checks or maintenance being carried out.
D	SHEARING	MEDIUM	Do not adjust or clean machine until the machine has fully stopped.
			Make sure all guards are secured shut when machine is on.
F	STRIKING	MEDIUM	Isolate power to machine prior to any checks or maintenance.
			Ensure discs are secure on the spindle and locking tools are removed before use.
			Wear full face mask for eye safety.
			Check discs for damage or work out before use.
			Ensure work pieces are placed over vacuum area of work table before use.
			Ensure correct spindle speed for disc maximum rpm.
H	ELECTRICAL	MEDIUM	All electrical enclosures should only be opened with a tool that is not to be kept with the machine.
			Machine should be installed & checked by a Licensed Electrician.
M	HIGH TEMPERATURE	LOW	Wear appropriate protective clothing to prevent hot swarf.
O	OTHER HAZARDS, NOISE.	LOW	Wear hearing protection as required.
Plant Safety Program to be read in conjunction with manufactures instructions			



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Authorised and signed by:

Safety officer:

Manager:

[Signature]

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