

COLD SAW SOP

ACRONYMS

LOTO - Lockout/Tagout.

PPE - Personal Protective Equipment.

SOP - Safe Operating Procedure.

PPE



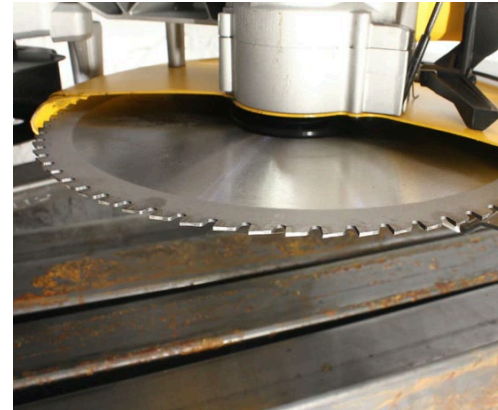
PRECAUTIONS

- All operators are to be trained and competent to operate a Cold Saw safely. Operator training should include:
 - Workplace induction
 - Safe operating procedures
 - Manufacturer's instructions
 - Nature of hazards
 - Fitting of PPE
 - Manual handling
 - Housekeeping
 - First Aid



HAZARDS - What can cause harm?

- ▲ Noise
- ▲ Electricity
- ▲ Blade
- ▲ Moving parts/objects
- ▲ Dust/debris
- ▲ Manual Handling
- ▲ Poor housekeeping



WORK AREA



No trip or slip hazards



Adequate lighting

PRE-OPERATIONAL INSPECTION

- Follow the pre-operational checklist in the manufacturer's operational manual, ensure:
 - Guards are in place and adjusted
 - Saw blade is sharp and correctly fitted
 - Saw pulls forward and retracts smoothly
 - Ventilation openings and switches are free of foreign matter
 - Coolant tank full and flowing as required
 - The safety shield closes completely to avoid spraying the operator
 - Equipment and leads are tested and tagged as required for use.



E-STOP button is functional

MAINTENANCE

- Follow LOTO procedures record service/repairs information in Maintenance Log
- Maintenance is conducted as per manufacturers' instructions and by qualified persons only
- When the machine is taken out of service for maintenance:
 - Shut off and isolate the power supply
 - The power supply is clearly labelled/tagged "do not use."

COLD SAW SOP

OPERATION

1. Operate in accordance with manufacturers' instructions
2. Wear prescribed PPE
3. Position workpiece and close the vise
4. Rotate the cam lever at the handwheel to secure the setting of the vise.
A long workpiece must have the proper support on both ends
5. If mitreing, adjust the head accordingly and lock it in position. If making a mitred cut, check that the blade will not contact the rear vise jaw. If it will, loosen the screw on the rear vise jaw and slide the jaw so that it clears the path of the blade, then retighten the screw
6. Turn the power ON
7. Select the blade speed
8. Turn on the coolant flow switch
9. Start the blade by pressing the trigger on the handle grip (the trigger also activates the coolant flow)
10. Pull the operating lever to bring down the blade into the workpiece (you will manually control the speed of the downstroke)
11. When the cut is complete, release the trigger and raise the head. The spring will help return the head to the upward position
12. Release the vise using the handwheel, and remove the workpiece
When operations are complete, always return the head to an upward position to relieve stress on the return spring
13. On completion:
 - a. Turn power to the saw off
 - b. When cooled, clean up any metal shavings on both the machine and the floor using brush/suitable tools and gloves
 - c. Clean all equipment/tools and the area upon completion
 - d. Inspect equipment (including the condition of guards, electrical leads)
 - e. Remove waste/debris daily e.g. swarf, waste, or stock.



Entanglement from moving parts. Keep fingers (and other body parts), hair, clothing, jewellery, and tools away from moving parts.

BLADE REPLACEMENT

- The blade is the correct diameter and width
- Arbor hole (centre hole) in the blade is the correct diameter
- The blade is correctly seated before tightening the blade-locking nut. Do not overtighten.



PRACTISE RECOMMENDED MANUAL HANDLING TECHNIQUES