

# Risk Assessment Guidance

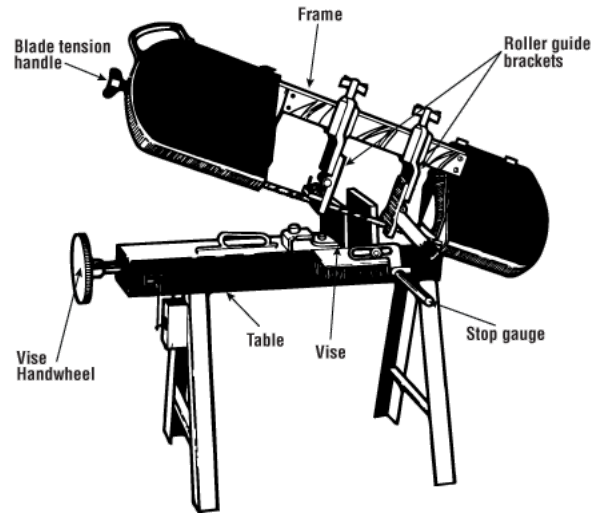
## Title

Cold Metal Saw

This risk assessment guidance has been carried out for cold metal saws located in workshops. This document is a general risk assessment for the use of this equipment but should be reviewed for each location.

Metal saws can be dangerous if not used correctly so please read the operator's manual, be sure all parts, wires, plugs and blade are in good condition.

If you have never used this type of equipment or you are not familiar with the machine, ask your supervisor or the workshop manager to run through the cold saw before you use it.



Job Sequence	Hazard Identification	Controls
Conduct pre-operational checks	<p>Poor condition of the guards.</p> <p>Damage to the machine or guards.</p>	<p>A log of use must be kept for all cold metal saws where deemed necessary by the manufacturer's instructions and serviced by a competent person as per the manufacturer's suggested intervals.</p> <p>It must be visually inspected before each use and damaged machines reported to the workshop manager / supervisor. Damaged machines must not be used until a competent person has examined them.</p> <p>All guards and safety devices including emergency stop button must be in an accessible position and operational.</p>
Operation of the cold metal saw	<p>Entanglement with moving parts.</p> <p>Risk:</p> <ul style="list-style-type: none"> <li>• Laceration</li> <li>• Bruising</li> <li>• Abrasions</li> </ul> <p>Slipping on spillages of cutting fluid and or suds.</p> <p>Manual handling of materials.</p>	<p>All guards must be in position when operating cold metal saws, always lower the blade to the material slowly and ensure the depth gauge is set correctly.</p> <p>Guard along the material at both ends to prevent people coming into contact. For long material ensure its suitably supported using stands.</p> <p>The blade must be set to the correct speed for the material being cut, you must always use lubricant while cutting.</p> <p>The blades must be fitted by a competent person and checked regularly, you must always check that you are using the correct blade for the material being cut. Always ensure the material is secure before you start cutting, if you are cutting several sections the same length use the stop gauge where fitted.</p> <p>Do not remove the material until the blade has completely stopped.</p> <p>The machine should stop within 10secs (PUWER), this machine only to be used by members after training in its safe operation.</p>

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		<b>Goggles rated for impact must be worn at all times.</b>
Work Environment	<p>General environment, ventilation and lighting levels.</p> <p>Space to operate and handle materials safely.</p> <p>Housekeeping.</p>	<p>There must be sufficient light within the workshop when using cold saw or setting blade speed and limits.</p> <p>Chuck and tool-post guards (where fitted) should be clean and free from scratches to limit the need for the operator to look around them to see their work.</p> <p>There must be sufficient space around the unit in order to allow the operator a free range of movement.</p> <p>Ensure power cables are properly isolated from the moving blade.</p> <p>Ensure all control devices and in particular the emergency stop (if fitted) are within easy reach of the operator.</p> <p>Keep the floor around the unit free of oil and grease.</p>
Training	Untrained Person.	<p>Only trained personnel are allowed to operate cold metal saws.</p> <p>No unauthorized persons are allowed in the vicinity of the works.</p> <p>The Supervisor must ensure that the appointed Health and Safety personnel is notified of any significant changes to these works before they commence.</p>
Personal Protective Equipment	<p>Unsuitable clothing.</p> <p>Unsuitable/damaged PPE.</p>	<p>Suitable personal protective equipment (PPE) must be supplied and used. The user must ensure that the PPE is in good condition and being used correctly.</p> <p>Never wear loose clothing which could become entangled in the machine. Long hair must be tied up. No jewellery to be worn when operating the machine.</p>
First Aid		<p>Make sure you are aware of the first aid provisions in place at the event.</p> <p>All accidents &amp; near misses must be reported to your Supervisor.</p>

**All persons working with this equipment or within close vicinity must sign and show that they have read and understood the risk assessment guidance and that they will follow the above control measures set out above during their work processes.**

Additional Guidance	COSHH Assessment	Method Statement	Other (Specify)
		N/A	<b>Only trained persons are allowed to operate this equipment.</b>
Name			
Signed			Date

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