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The Hearth Workshop

Standard Operating Procedure

SEALEY SM5 METAL CUTTING BANDSAW



DO NOT use this machine unless you have been instructed in its safe use and operation and have been given permission

Personal Protective Equipment and Clothing

- Safety glasses must be worn at all times in work areas.
- Long and loose hair must be contained.
- Hearing protection must be worn.
- Sturdy footwear must be worn at all times in work areas.
- Close fitting/protective clothing must be worn.
- Rings and jewellery must not be worn.
- Dust mask or other appropriate respiratory protection must be worn

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Locate and ensure you are familiar with all machine operations and controls
- ✓ Ensure all guards are fitted, secure and functional. Do not operate if guards are missing or faulty.
- ✓ Check workspaces and walkways to ensure no slip/trip hazards are present.
- ✓ Inspect the power cord for any breaks, wear or abrasions.
- ✓ Ensure the blade is in good condition and not bent or loose.
- ✓ Adjust the blade guides to provide maximum support and blade coverage without fouling the workpiece or clamping mechanism.
- ✓ Adjust the angle setting on the clamping mechanism ensuring it tightens fully and the sliding face doesn't foul the guide bearings.
- ✓ Ensure that the automated power off function is operating correctly.

OPERATIONAL SAFETY CHECKS

- ✓ Keep hands away from the blade and cutting area during operation.
- ✓ Start the bandsaw when the workpiece is secure and the blade has been lowered to just above the workpiece.
- ✓ Use lubricant to cool the blade and improve the quality of the cut.
- ✓ Irregular profiles should be monitored closely during cutting. Failure to do these things can result in the saw falling to one side or material binding on the blade.
- ✓ Stop the machine before attempting to back the work away from the blade.
- ✓ Stop the saw immediately if the blade develops a 'click' or bounce. Report it to a lead maker and hang an "Out of Use" sign on the machine.
- ✓ Only run the blade in the upright position if the saw is setup for operation in the vertical position.

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the machine when work completed.
- ✓ Reset all guards to a fully closed position.
- ✓ Leave the machine and surrounding area in a safe, clean and tidy state.

DON'T

- ✗ Do not use faulty equipment. Immediately report suspect machinery to a Lead Maker and attach an "Out of Use" sign.
- ✗ Do not cut anything smaller than 65mm in diameter in vertical position or too small to be clamped safely in horizontal position.
- ✗ Cut cylindrical or irregular stock without the use of an appropriate jig or fixture; ask a Lead Maker for support if unsure.
- ✗ Never leave the machine running unattended; even if you are the only person using it.
- ✗ Do not try to force a wide blade to cut a small radius. Use relief cuts and material removal if cutting a tight curve.
- ✗ Do not leave sawdust on, in or around the machine; use a shop vac to clear away any dust – do not use a brush without using a vacuum.
- ✗ Do not operate the bandsaw if the guide bearings are out of adjustment. This can be identified by play in blade from side to side. Seek advice from a Lead Maker.
- ✗ Do not attempt to slow the blade when powering off the saw. Allow it to slow at its own rate.
- ✗ Do not make adjustments to guards, clamp or tension whilst the blade is still in motion.
- ✗ Do not leave coolant on the floor or saw; all spills must be cleared away.
- ✗ Do not use the saw to cut non-metallic materials.
- ✗ Do not force the cutting head downwards; do not apply pressure to the cutting head during operation.

POTENTIAL HAZARDS AND INJURIES

- ⓘ Limb injury or loss.
- ⓘ Eye injuries.
- ⓘ Sharp edges and burrs, metal splinters.
- ⓘ Permanent hearing damage.
- ⓘ Entrapment or crush injuries from jammed workpieces.
- ⓘ Respiratory damage from dust inhalation.

This Standard Operating Procedure does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references. It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use. Users acknowledge that improper use of equipment increases their risk of harm and that this is a decision they make. Anyone found to be using equipment incorrectly will have their usage rights removed pending a re-induction on the safe use of the equipment; this may incur a charge of £10 for each induction.

A*	For use by Lead Makers and trained staff only. Use by anyone else is strictly prohibited.	A	For use by adult members (18+) who have received and signed the specific induction package. No Lone Working.
B	For use by adult members (16+) who have received and signed the specific induction package. Lone Working Permitted.	C	For use by all members (6+) under the supervision of adult members/Lead Makers who have received and signed the specific induction package. Adult Lone Working Permitted