

Metal Horizontal Band Saw Operations – Safe Work Procedure

Purpose: To provide SD 64 staff, with a list of procedures to ensure they are protected against potential hazards associated with Metal Horizontal Band Saw Operations.

Hazards: Working with coolants and vapors. Work involving metal pieces, portions and other related materials, fine metal filings, airborne dust and potential inhalation hazards inherent to Metal Working processes. Hazards include pinch, crush, inhalation, and struck by flying debris or objects.

WARNING: DO NOT use this machine unless you have been trained in its safe use and operation. Failure to comply could result in severe injury.

General Safety

- Never start work without proper authorization & training.
- **Personal Protective Equipment (PPE):** eye protection, including protective glasses or goggles, hearing protection (when equipment is in use) and long pants. Hearing protection can include earmuffs or ear plugs based on the sound level.
- Tie back hair, no loose clothing and no jewelry should be worn.
- Do Not wear gloves when operating the saw.

Before METAL HORIZONTAL BAND SAW OPERATIONS

- Ensure no slip/trip hazards are present in workspaces and walkways.
- Make sure guards are present, installed and working.
- If installed ensure hydraulic damping mechanisms function.
- Check that the Blade is in good condition and properly tensioned.
- Check coolant delivery system to allow for sufficient flow.
- Locate and be aware of the operation of the ON/OFF switch or E-stop.
- Disconnect power supply before changing or adjusting tools and equipment.
- Remove all wrenches and tools used in the setup from the work area.

During METAL HORIZONTAL BAND SAW OPERATIONS

- Lift the head of unit up and lock in position.
- Clamp work piece firmly into the vice. Long pieces of material must be supported.
- Check to ensure that the blade will have at least 3 teeth in contact with the material.
- Adjust blade guards for optimal blade support and to cover unused portion of blade.
- Ensure hands are away from blade, then turn the machine on.
- Allow the upper head to come down slowly until the teeth are cutting the material.
- The machine should be turned off immediately if the blade gets jammed, brakes or the pulls free from the vise. The upper head should be lifted clear of the material and the proper adjustments made.
- Once the cut is complete, turn off the machine and wait for it to come to a complete stop before removing scrap pieces from the area.
- Do not leave machine running while unattended.

After METAL HORIZONTAL BAND SAW OPERATIONS have been completed

- Collect all waste/debris and place in appropriate containers.
- Inspect equipment to ensure no damage has occurred, guards and other devices are in good condition and in place. Record any damage as per the Technology Education Safety Manual.
- If equipment is damaged or inoperable follow lockout procedures.

Created: Sept. 2025

Revised: