



Buffing / Polishing Machine

- Keep work area clean.
- Do not mix incompatible dusts (i.e., steel and aluminum).
- Before you begin:
 - Be sure available dust collection system is operating.
 - Use proper type of polishing wheel for material.
- Polish only on side of wheels designed for side polishing.

Note: Immediately report all machinery malfunctions to the supervisor.

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Drill Press

- Keep work area clean.
- Before you begin:
 - Replace dull or damaged drill bits.
 - Use clamps, vises, etc., to secure workpiece to table.
- Do not grab quick-change chucks while rotating, regardless of speed.

Note: Immediately report all machinery malfunctions to the supervisor.

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Multiple Spindle "Gang" Drill Press

- Keep work area clean.
- Before you begin:
 - Replace dull or damaged drill bits.
 - Use clamps, vises, etc., to secure workpiece to table.
- Do not grab quick-change chucks while rotating, regardless of speed.

Note: Immediately report all machinery malfunctions to the supervisor.

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Pyramid Roll Bending Machine

- Keep work area clean.
- Do not clean or wipe down moving rolls.

Note: Immediately report all machinery malfunctions to the supervisor.

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Roll Bending and Forming Machine

- Keep work area clean.
- Do not clean or wipe down moving rolls.

Note: Immediately report all machinery malfunctions to the supervisor.

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Gear Cutting / Hobbing Machine

- Keep work area clean.
- Securely clamp workpiece to table.
- Use spring-loaded operational handles with power-fed tables.
- Cover and store all unused cutters.

Note: Immediately report all machinery malfunctions to the supervisor.

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Pedestal or Bench Grinder

- Keep work area clean.
- Do not mix incompatible dusts (i.e., steel and aluminum).
- Be sure available dust collection system is operating.
- Before you begin:
 - Replace cracked, badly scarred, or fouled wheels.
 - Dress out-of-true wheels immediately.
- Before mounting new abrasive wheel:
 - Be certain rated speed of grinding machine does not exceed rated speed of abrasive wheel.
 - Give "ring test" to each abrasive wheel.
- After mounting new wheel and before beginning work, stand to one side and allow grinding wheel to run at operating speed for at least one minute.
- Only grind on side of wheel if designed for that purpose.
 Note: Immediately report all machinery malfunctions to the supervisor.

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Surface Grinder

- Keep work area clean.
- Before you begin:
 - Replace cracked, badly scarred, or fouled wheels.
 - Use proper wheel for material being worked.
 - Check coolant level.
- Before mounting a new wheel:
 - Use wheel rated the same or higher than machine speed.
 - Give "ring test" to each abrasive wheel installed.
- After mounting new wheel and before beginning work, stand to one side and allow grinding wheel to run at operating speed for at least one minute.
- Turn off coolant before stopping wheel.

Note: Immediately report all machinery malfunctions to the supervisor.

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Drop Hammer

- Keep work area clean.
- Secure all overhead machinery parts.
- Use hand tools to feed workpiece.

Note: Immediately report all machinery malfunctions to the supervisor.

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Precision Honing Machine

- Keep work area clean.
- Do not mix incompatible dusts (i.e., steel and aluminum).
- Be sure available dust collection system is operating.
- Before you begin:
 - Replace cracked, badly scarred, or fouled wheels.
 - Dress out-of-true wheels immediately.
- Before mounting new abrasive wheel:
 - Be certain rated speed of grinding machine does not exceed rated speed of abrasive wheel.
 - Give "ring test" to each abrasive wheel.
- After mounting new wheel and before beginning work, stand to one side and allow grinding wheel to run at operating speed for at least one minute.
- Only grind on side of wheel if designed for that purpose.
 Note: Immediately report all machinery malfunctions to the supervisor.

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Ironworker

- Keep work area clean.
- Be sure foot pedal control is protected against accidental activation.
- Do not wear gloves, jewelry, or loose clothing.

Note: Immediately report all machinery malfunctions to the supervisor.

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Metal Working Lathe

- Keep work area clean.
- Before you begin:
 - Be sure all personnel are clear of chuck before operation.
 - Check operating speed.
- Do not work material too small for machine.
- Securely clamp workpiece.
- Store unused tools and chucks in racks.

Note: Immediately report all machinery malfunctions to the supervisor.

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Horizontal Milling Machine

- Keep work area clean.
- Securely clamp workpiece to table.
- Use spring-loaded operational handles with power-fed tables.
- Cover and store all unused cutters.

Note: Immediately report all machinery malfunctions to the supervisor.

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Knee Mill Milling Machine

- Keep work area clean.
- Before you begin:
 - Securely clamp workpiece to table.
 - Use spring-loaded operating handles on power-fed work table.
 - Use barrier guards when conducting fly cutting operations.
- Cover and store all unused cutters.

Note: Immediately report all machinery malfunctions to the supervisor.

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Vertical Milling Machine

- Keep work area clean.
- Before you begin:
 - Securely clamp workpiece to table.
 - Use spring-loaded operating handles on power-fed worktables.
 - Use barrier guards when conducting fly cutting operations.
- Cover and store all unused cutters.

Note: Immediately report all machinery malfunctions to the supervisor.

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Bench-Mounted Hydraulic Power Press

- Keep work area clean.
- Before beginning work:
 - Be sure foot pedal control is protected against accidental activation.
 - Adjust the stroke limit to set die opening to no more than ¼ inch above thickness of material.
 - Use back gage to correctly align material to be processed.
 - Contact safety officer before using unitized dies.
- Locate 2-hand controls a safe distance from point of operation.
- Never leave control mode selector keys in the machine.
- Use inch control mode for setup purposes only.
- Use die blocks during die setting.
- Use hand tools to hold and retrieve workpiece.

Note: Immediately report all machinery malfunctions to the supervisor.

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Hydraulic Power Press

- Keep work area clean.
- Before beginning work:
 - Be sure foot pedal control is protected against accidental activation.
 - Adjust the stroke limit to set die opening to no more than ¼ inch above thickness of material.
 - Use back gage to correctly align material to be processed.
 - Contact safety officer before using unitized dies.
- Locate 2-hand controls a safe distance from point of operation.
- Never leave control mode selector keys in the machine.
- Use inch control mode for setup purposes only.
- Use die blocks during die setting.
- Use hand tools to hold and retrieve workpiece.

Note: Immediately report all machinery malfunctions to the supervisor.

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Mechanical Power Press

- Keep work area clean.
- Before beginning work:
 - Be sure foot pedal control is protected against accidental activation.
 - Adjust the stroke limit to set die opening to no more than ¼ inch above thickness of material.
 - Use back gage to correctly align material to be processed.
 - Contact safety officer before using unitized dies.
- Locate 2-hand controls a safe distance from point of operation.
- Never leave control mode selector keys in the machine.
- Use inch control mode for setup purposes only.
- Use die blocks during die setting.
- Use hand tools to hold and retrieve workpiece.

Note: Immediately report all machinery malfunctions to the supervisor.

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Hydra-Mechanical Press Brake

- Keep work area clean.
- Before beginning work:
 - Be sure foot pedal control is protected against accidental activation.
 - Adjust the stroke limit to set die opening to no more than ¼ inch above thickness of material.
 - Use back gage to correctly align material to be processed.
- Never leave control mode selector keys in the machine.
- Use inch control mode for setup purposes only.
- Use die blocks during die setting.
- Use hand tools to hold workpiece.

Note: Immediately report all machinery malfunctions to the supervisor.

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Hydraulic Press Brake

- Keep work area clean.
- Before beginning work:
 - Be sure foot pedal control is protected against accidental activation.
 - Adjust the stroke limit to set die opening to no more than ¼ inch above thickness of material.
 - Use back gage to correctly align material to be processed.
 - Contact safety officer before using unitized dies.
- Locate 2-hand controls a safe distance from point of operation.
- Never leave control mode selector keys in the machine.
- Use inch control mode for setup purposes only.
- Use die blocks during die setting.
- Use hand tools to hold workpiece.

Note: Immediately report all machinery malfunctions to the supervisor.

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Mechanical Press Brake

- Keep work area clean.
- Before beginning work:
 - Be sure foot pedal control is protected against accidental activation.
 - Adjust the stroke limit to set die opening to no more than ¼ inch above thickness of material.
 - Use back gage to correctly align material to be processed.
 - Contact safety officer before using unitized dies.
- Locate 2-hand controls a safe distance from point of operation.
- Never leave control mode selector keys in the machine.
- Use inch control mode for setup purposes only.
- Use die blocks during die setting.
- Use hand tools to hold workpiece.

Note: Immediately report all machinery malfunctions to the supervisor.

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Pneumatic Riveting / Dimpling Machine

- Keep work area clean.
- Before you begin, set correct temperature and timer settings.
- Keep hands clear of anvils during operation.
- Cool hot dimpling dies before removal or adjustment.
- Lower anvil all the way down when changing setup.
- Raise anvil gradually to avoid damage to dies and parts.

Note: Immediately report all machinery malfunctions to the supervisor.

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Combination (Disk and Belt) Sander

- Keep work area and abrasive surfaces clean.
- Be sure available dust collection system is operating.
- Before you begin:
 - Replace torn or worn disks.
 - Use proper abrasive disk and/or belt for material being sanded.
 - Properly adjust guards to cover unused portion of abrasive disk or belt above or below work table.
- Do not mix incompatible dusts (i.e., steel and aluminum).

Note: Immediately report all machinery malfunctions to the supervisor.

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Disk Sander

- Keep work area and abrasive surfaces clean.
- Be sure available dust collection system is operating.
- Before you begin:
 - Replace torn or worn disks.
 - Use proper abrasive disk and/or belt for material being sanded.
 - Properly adjust guards to cover unused portion of abrasive disk above or below work table.
- Do not mix incompatible dusts (i.e., steel and aluminum).

Note: Immediately report all machinery malfunctions to the supervisor.

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Metal Cutting Horizontal Band Saw

- Keep work area clean.
- Before you begin:
 - Replace broken, dull, cracked, or fouled saw blades.
 - Adjust blade tension.
 - Be sure filler plate/blade gap is no more than 1/8".
 - Be sure exposed blade around material does not exceed 3/8".
 - Be sure unused part of blade is guarded above and below table.
- Use correct saw blade and speed for material being cut.

Note: Immediately report all machinery malfunctions to the supervisor.

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Metal Cutting Vertical Band Saw

- Keep work area clean.
- Before you begin:
 - Replace broken, dull, cracked, or fouled saw blades.
 - Adjust blade tension.
 - Be sure filler plate/blade gap is no more than 1/8".
 - Be sure exposed blade above material does not exceed 3/8".
 - Be sure unused part of blade is guarded above and below table.
- Use correct saw blade and speed for material being cut.

Note: Immediately report all machinery malfunctions to the supervisor.

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Abrasive Metal Cutting Chop Saw

- Keep work area and abrasive surfaces clean.
- Be sure available dust collection system is operating.
- Before you begin:
 - Replace or repair sticky spring-loaded trigger switches.
 - Replace dull, cracked or fouled saw discs.
 - Use proper discs to cut material.
 - Securely clamp workpiece.
- Never clamp or wedge guard in open position.

Note: Immediately report all machinery malfunctions to the supervisor.

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Metal Shearing Machine

- Keep work area clean.
- Securely clamp workpiece to table.
- Use spring-loaded operational handles with power-fed tables.
- Cover and store all unused cutters.

Note: Immediately report all machinery malfunctions to the supervisor.

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Resistance Welding Machine

- Keep work area clean.
- Wear proper gloves.
- Before you begin:
 - Be sure foot pedal control is protected against accidental activation.
 - Use certified control settings and procedures.
 - Double check heat and tip pressure before welding.
 - Inspect welding cables often for damage and wear.
- Keep hands away from electrodes.

Note: Immediately report all machinery malfunctions to the supervisor.

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