

CAUTION

DRILL PRESS

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

- Never operate machine or guards are in place, properly designed and adjusted.
- Remove all clothing and jewelry.
- Keep work area clean. Floor must remain free from oiling.
- Do not wear belt or draped apron.
- Use steady, slow, smooth strokes without jerking.
- Do not give "kick change" until work is finished, regardless of speed.
- Guard and gloves must be worn during cutting.
- Always disconnect all energy sources before making adjustments or repairs.
- Observe the operator's position throughout the entire operation.

Note: Illustrations represent approximate configurations; do not duplicate.

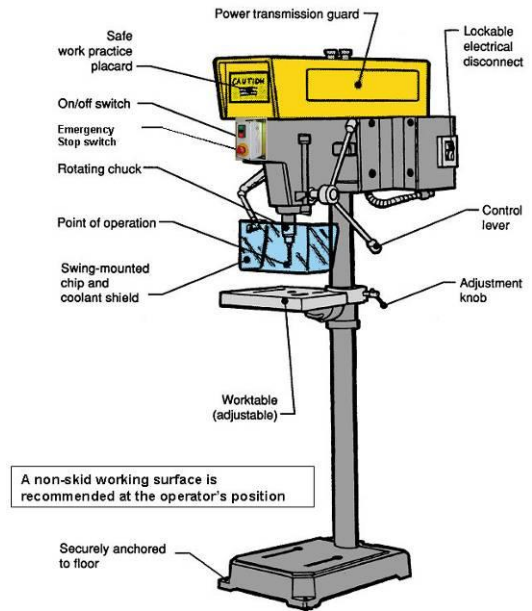
Safe Practices

1. Use the opening at the top of the drill press frame as a guide for the drill bit.
2. To be safe when using the drill press, always use the correct size drill bit.
3. Close the machine door to prevent injury.
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OFFICE OF ENVIRONMENTAL HEALTH & SAFETY
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Drill Press Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



Note: A chip shield is required whenever chips and coolant are present and able to contact the operator or a passerby; or the machine is operated in an automatic or semi-automatic mode; or the operator's body is required to come within 12 inches of the bit.

	Yes	No	N/A
1. Are the openings at the top of the drill press properly guarded?			
2. Is the area around the motor properly guarded?			
3. Does the machine have all OEM knobs, rods, or handles?			
4. Does the machine have a proper chip shield?			
5. Are the electrical system, wires, and plug ends acceptable?			
6. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
7. Does the machine have a compliant start/stop and a latching, red, mushroom shaped, E- stop that controls the motor?			
8. Can the machine be securely isolated from its power source?			
9. Is the work light properly protected against impact and shatter resistant?			
10. Does the machine have a high-friction coating at the operator's position on the floor?			
11. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

DRILL PRESS

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

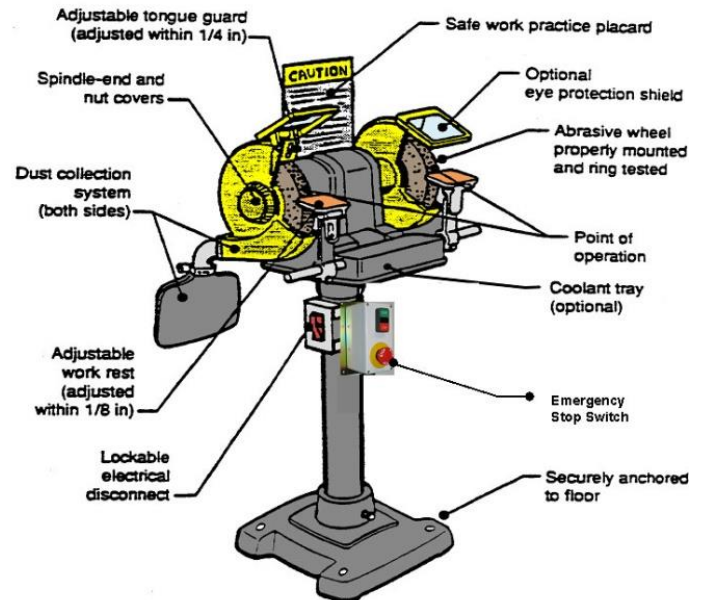
(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Do not use dull or damaged drill bits.
- Use clamps, vices, etc., to secure workpiece to table.
- Do not grab “quick-change chucks” while rotating, regardless of speed.
- Do not wear gloves, jewelry, or loose clothing.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Pedestal / Bench Grinder Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Is the work light properly protected against impact and shatter resistant?			
2. Are the eye shields clean and in working order?			
3. Are tool rests adjusted no more than 1/8" from the wheel and tongue guards 1/4" from wheel?			
4. Are the electrical system wires, and plug ends acceptable?			
5. Can the machine be securely isolated from its power source?			
6. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
7. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
8. Does machine have a proper dust collection system?			
9. Is the coasting time after shutdown acceptable?			
10. Does the machine have a high-friction coating at the operator's position on the floor?			
11. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

PEDESTAL OR BENCH GRINDER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Do not mix incompatible dusts (steel and aluminum).
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Dust collection system, if provided, is connected and operational.
- Replace cracked, badly scarred, or fouled abrasive wheels.
- Rated speed of grinding machine must not exceed abrasive wheel speed.
- Give “ring test” to abrasive wheel before mounting.
- After mounting new wheel, stand to one side and run machine for one minute before starting work.
- Adjust work rests to within 1/8 inch, tongue guards to within 1/4 inch of wheel.
- Do not grind on side of wheel unless wheel is specifically designed for that purpose.
- Dress “out-of-true” wheels immediately.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

BUFFING POLISHING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

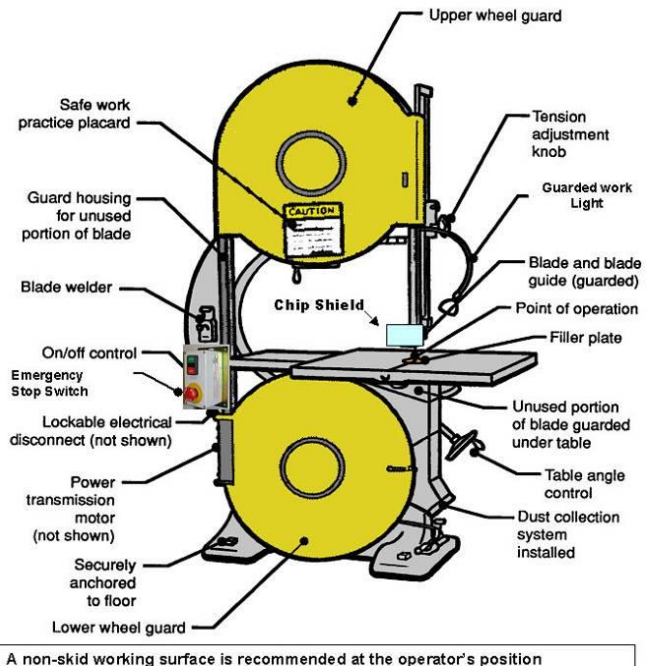
(ie. eye, face, hearing etc.)

- Do not mix incompatible dusts (ex: steel and aluminum).
- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Dust collection system, if provided, is connected and operational.
- Do not wear gloves, jewelry, or loose clothing.
- Do not reach over moving machinery to activate controls.
- Use proper type of polishing wheel for material being processed.
- Polish only on side of wheels designed for side polishing.
- De-energize and lockout machine before making adjustments/ repairs.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Vertical Band Saw Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



Note: Ensure that the proper blade is used for the material being processed.
Never exceed the rated speed of the saw blade. Avoid mixing incompatible dusts.

	Yes	No	N/A
1. Are the wheel door locks and latches functional?			
2. Does the machine have a chip shield?			
3. Is the unused portion of the blade guarded above the work table?			
4. Is the unused portion of the blade guarded below the work table?			
5. Is the machine's table insert in good condition?			
6. Are the electrical system, wires and plug ends acceptable?			
7. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
8. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
9. Is the coasting time after shutdown acceptable?			
10. Does the machine have a high-friction coating at the operator's position on the floor?			
11. Is the machine secured to prevent moving or tipping?			
12. Are the bandsaw wheels fully enclosed?			

Notes

CAUTION

WOOD WORKING BAND SAW

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Exposed blade for cutting material must not exceed 3/8 inch above thickness of material being cut.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Inspect blades for broken or dull saw teeth, excessive gumming, and fouling.
- Use saw blade designed for material being cut.
- Openings in filler plates should never exceed 1/8 inch on either side of blade.
- Adjust blade tension before each use.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

METAL CUTTING (VERTICAL) BAND SAW

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

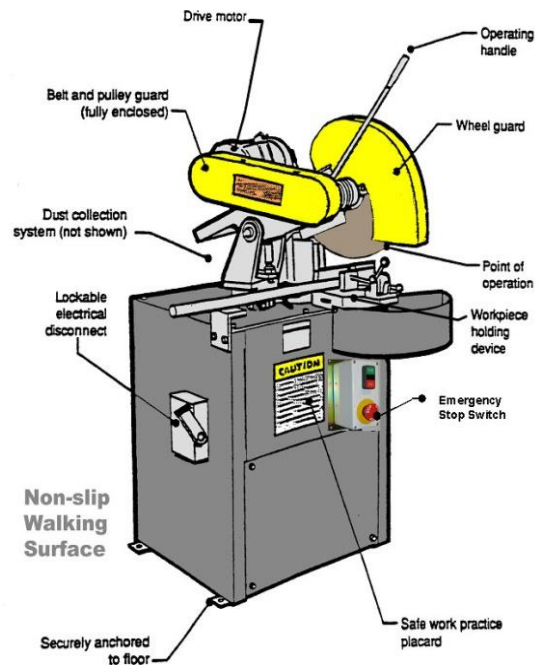
(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Guard unused portions of saw blade, including below work table.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Use saw blade designed for material being cut.
- Inspect blades for broken or dull saw teeth, excessive gumming, and fouling.
- Adjust blade tension properly.
- Exposed blade should be no more than 3/8 inch above the material being cut.
- Openings in filler plates should never exceed 1/8 inch on either side of blade.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Abrasive Chop Saw Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Is the unused portion of the blade guarded?			
2. Is the blade guard functioning correctly?			
3. Does the saw return to its starting position correctly?			
4. If not trigger operated, does the machine have an emergency stop switch?			
5. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
6. Can the machine be securely isolated from its power source?			
7. Are the electrical system, wires and plug ends compliant?			
8. Does the machine have a high-friction coating at the operator's position on the floor?			
9. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

CHOP SAW

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

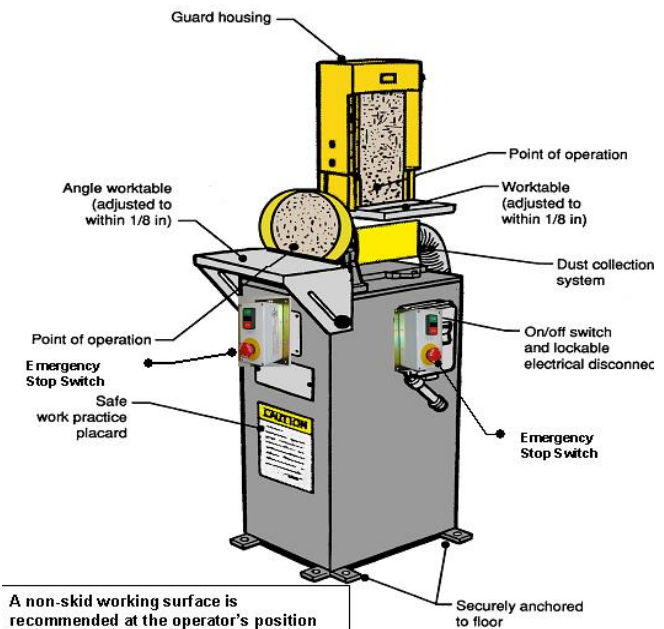
(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Dust collection system, if provided, is connected and operational.
- Use proper blade to cut material.
- Replace dull, cracked, or excessively fouled saw blades.
- Securely clamp workpiece prior to cutting.
- Never clamp or wedge guard in open position.
- Replace/repair spring-loaded trigger switches that “stick”.
- Do not wear gloves, jewelry, or loose clothing.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Belt / Disc Sander Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the machine have an upper disc guard?			
2. Does the machine need a lower disc guard?			
3. Does the machine have an upper belt guard?			
4. Does the machine have a lower belt guard?			
5. Is the power transmission system properly guarded?			
6. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
7. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
8. Are the electrical system, wires and plug ends compliant?			
9. Is the machine secured to prevent moving or tipping?			
10. Does the machine have a high-friction coating at both operators' positions on the floor?			

Notes

CAUTION

COMBINATION (DISK AND BELT) SANDER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

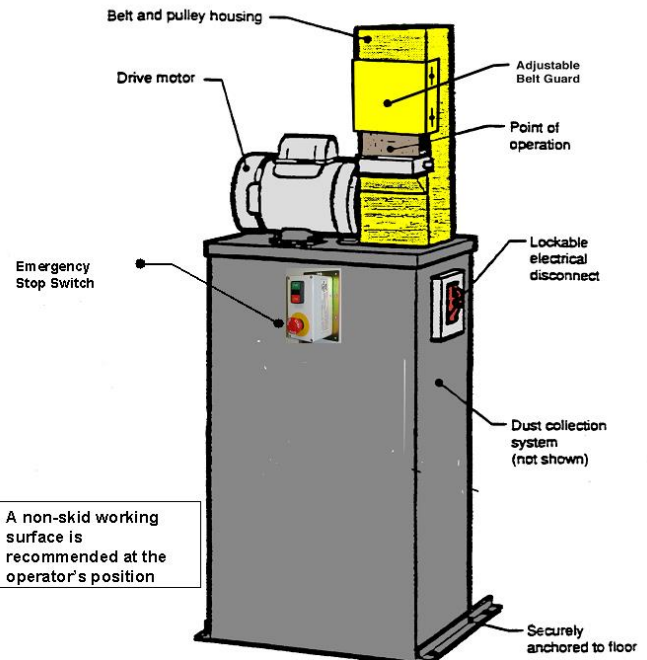
(ie. eye, face, hearing etc.)

- Do not mix incompatible dusts (steel and aluminum).
- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Dust collection system, if provided, is connected and operational.
- Avoid contact with unused portion of abrasive disk or belt above and below work table.
- Use proper abrasive disk and/or belt for material being processed.
- Replace disks if abrasive surface has rips, tears, or worn areas.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Vertical Belt Sander Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Is the unused portion of the belt guarded above the worktable?			
2. Is the unused portion of the belt guarded below the worktable?			
3. Are the electrical system, wires, and plug ends acceptable?			
4. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
5. Can the machine be securely isolated from its power source?			
6. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
7. Is the machine secured to prevent moving or tipping?			
8. Does the machine have a high-friction coating at the operator's position on the floor?			

Notes

CAUTION

Disc Sander

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

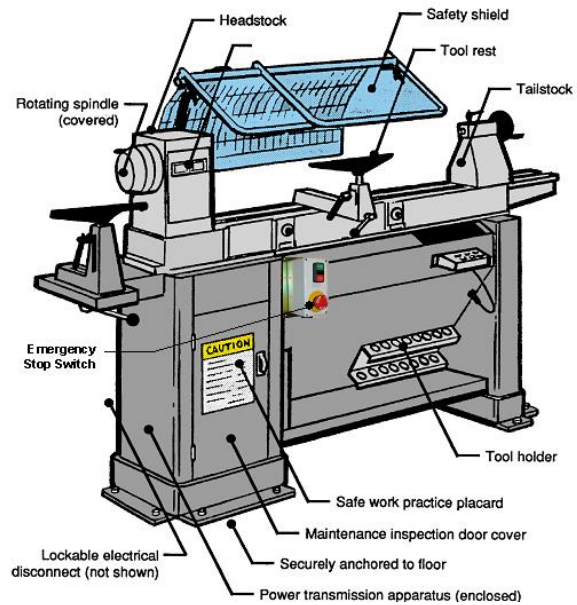
(ie. eye, face, hearing etc.)

- Do not mix incompatible dusts (steel and aluminum).
- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Dust collection system, if provided, is connected and operational.
- Avoid contact with unused portion of abrasive disk or belt above and below work table.
- Use proper abrasive disk and/or belt for material being processed.
- Replace disks if abrasive surface has rips, tears, or worn areas.
- Do not wear gloves, jewelry, or loose clothing.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Wood Lathe Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the machine have a safety shield that extends the entire length of the bed?			
2. Is the power transmission system guarded correctly?			
3. Is the left end of the spindle properly guarded?			
4. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
5. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
6. Are the electrical system, wires, and plug ends acceptable?			
7. Is the work light (if installed) properly protected against impact and shatter resistant?			
8. Is the machine secured to prevent moving or tipping?			
9. Does the machine have a high-friction coating at the operator's position on the floor?			

Notes

CAUTION

WOOD WORKING LATHE

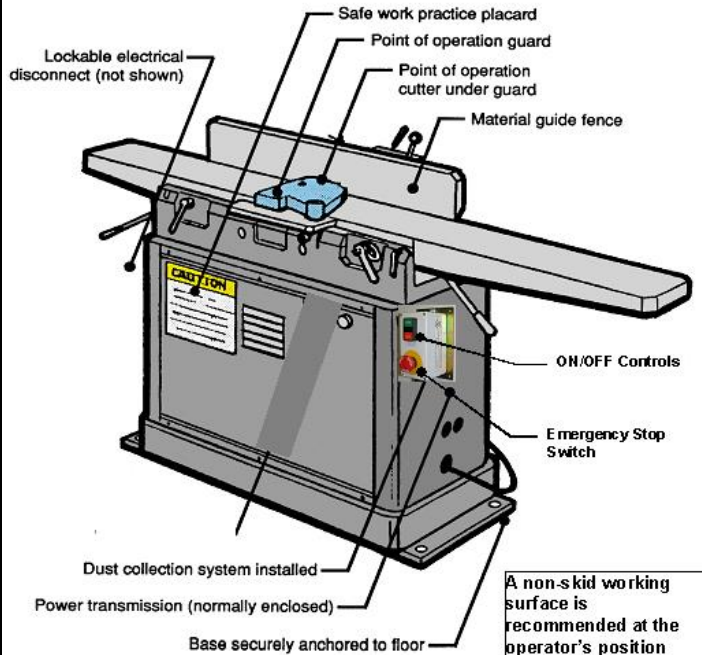
WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Store unused chisels and gouges in tool racks.
- Do not use chisels and gouges with missing or broken handles.
- Be sure of operating speed before beginning work.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Jointer Survey	
Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the point of operation (pork chop) guard function correctly?			
2. Is the power transmission system guarded correctly?			
3. Does the jointer have all OEM knobs, rods, or handles?			
4. Is the rear part of the cutter head guarded correctly?			
5. Are the electrical system, wires, and plug ends acceptable?			
6. Is the work light (if installed) properly protected against impact and shatter resistant?			
7. Can the machine be securely isolated from its power source?			
8. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
9. Is the machine secured to prevent moving or tipping?			
10. Does the machine have a high-friction coating at the operator's position on the floor?			
11. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			

Notes

CAUTION

WOOD WORKING JOINTER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

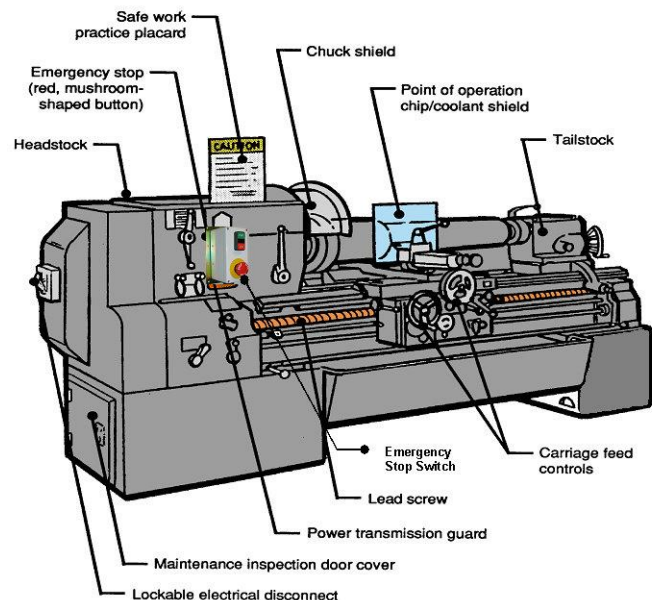
(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Check cutter height adjustment before use.
- Check condition of blades before operating.
- Do not work material too small for machine and personal safety.
- Guard cutterhead on both sides of material fence.
- Never stand directly behind work being processed.
- Use push sticks or block where necessary.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Metal Lathe Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the machine have a chip/coolant shield that travels with the point of operation?			
2. Does the machine have a chuck shield?			
3. Does the machine have a lead screw guard & warning sign?			
4. Does the machine have a spring loaded chuck key and chuck wrench for every chuck?			
5. Are the electrical system, wires, and plug ends compliant?			
6. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
7. Does the machine have a latching, red, mushroom shaped E-stop that controls the spindle motor?			
8. Is the power transmission system properly guarded?			
9. Can the machine be securely isolated from its power source?			
10. Does the machine have a high-friction coating at the operator's position on the floor?			
11. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

METAL WORKING LATHE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

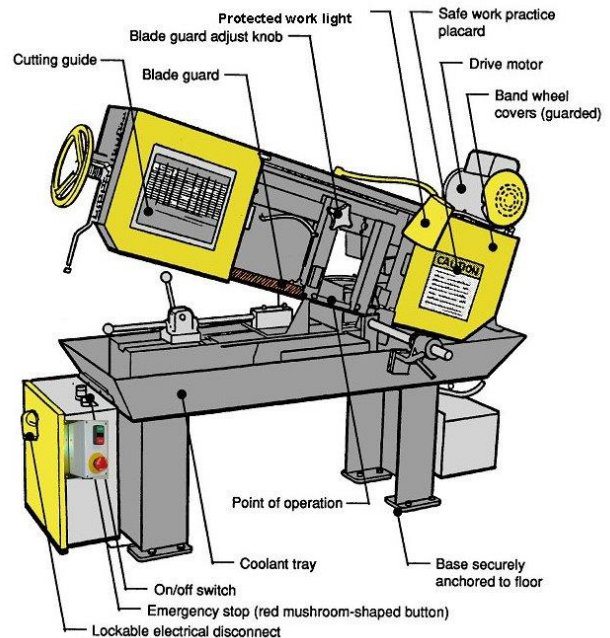
(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Do not reach over or around moving machinery to activate controls.
- Securely clamp workpiece.
- Store unused tools in tool racks.
- All personnel must be away from shear table before operation.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Horizontal Band Saw Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Are the bandsaw wheels that carry the blade fully enclosed?			
2. Is the power transmission system that drives the blade guarded correctly?			
3. Is the unused portion of the blade guarded ahead of the upper blade guides?			
4. Is the unused portion of the blade guarded beyond the lower blade guides?			
5. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
6. Are the electrical system, wires and plug ends compliant?			
7. Does the saw have a latching, red, mushroom shaped E-stop that controls the motor?			
8. Can the machine be securely isolated from power?			
9. Does the machine have a high-friction coating at the operator's position on the floor?			
10. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

METAL CUTTING (HORIZONTAL) BAND SAW

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

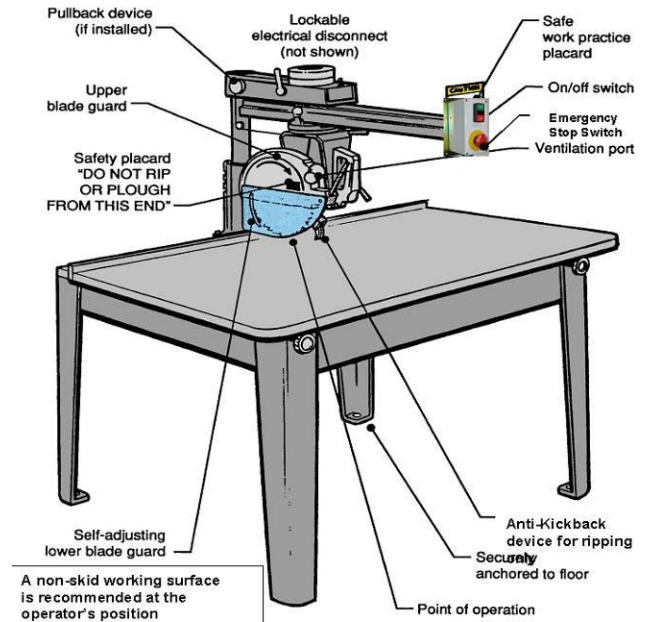
- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Inspect blades for broken or dull saw teeth, excessive gumming, and fouling.
- Adjust blade guards to cover unused portion of blade.
- Adjust blade tension properly.
- Use saw blade designed for material being cut.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management



Radial Arm Saw Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the carriage travel easily in both directions?			
2. Does the saw return gently to its starting position when released?			
3. Is the hood guard in good working condition?			
4. Is the hood guard easily adjustable?			
5. Is the hood guard properly labeled "Danger: Do Not Rip or Plough From This End"			
6. Does the machine have a lower blade guard on both sides of the blade?			
7. If used for ripping lumber, does the machine have an anti-kickback device?			
8. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
9. Does any part of the blade travel over the edge of the table toward the operator?			
10. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
11. Are the electrical system, wires and plug ends acceptable?			
12. Can the machine be securely isolated from its power source?			
13. Does the machine have a high friction coating at the operator's position?			
14. Is the machine secured to prevent moving or tipping?			

Notes

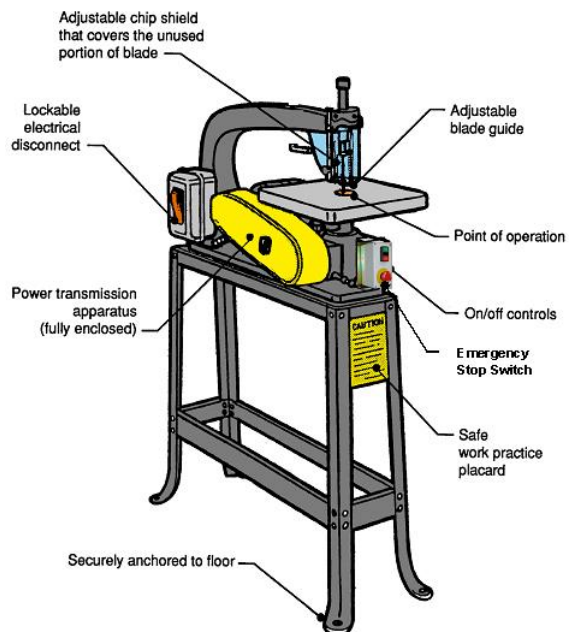
CAUTION

RADIAL ARM SAW **WEAR APPROPRIATE PERSONAL** **PROTECTIVE EQUIPMENT**

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
 - Beware of all dangerous moving machinery parts.
 - Keep work area clean. Foreign materials may cause poor footing
 - Dust collection system, if provided, is connected and operational.
 - Saw must gently return to starting position when released.
 - Use stick or brush to remove small scrap from work table.
 - Use proper saw blade for material being cut.
 - Replace dull, cracked, or excessively fouled saw blades.
 - Do not use abrasive, cutoff, or wire wheels on radial arm saws.
 - Saw blade must never travel beyond working edge of table; forward travel stop is properly adjusted.
 - When cross-cutting, use workpiece clamps to prevent “kickback” hazards.
 - When ripping, kickback dogs must be used and properly adjusted.
 - Never exceed rated RPM of saw blade.
 - Follow manufacturer requirements for cutting ferrous and nonferrous metals.
 - De-energize and lockout all energy systems before making adjustments/ repairs.
 - Do not wear gloves, jewelry, or loose clothing.
 - Ensure that operator is properly trained and has read owners operation manual.
- Note: Immediately report all machinery malfunctions to management**

Scroll Saw Survey	
Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Are the power transmission components guarded?			
2. Does machine have OEM finger guards?			
3. Is the machine's table insert in good condition?			
4. Does machine have a chip shield?			
5. Does the machine have a lower blade guard?			
6. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
7. Are the electrical system, wires and plug ends acceptable?			
8. Can the machine be securely isolated from its power source?			
9. Is the machine secured to prevent moving or tipping?			
10. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			

Notes

CAUTION

SCROLL/JIG SAW

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

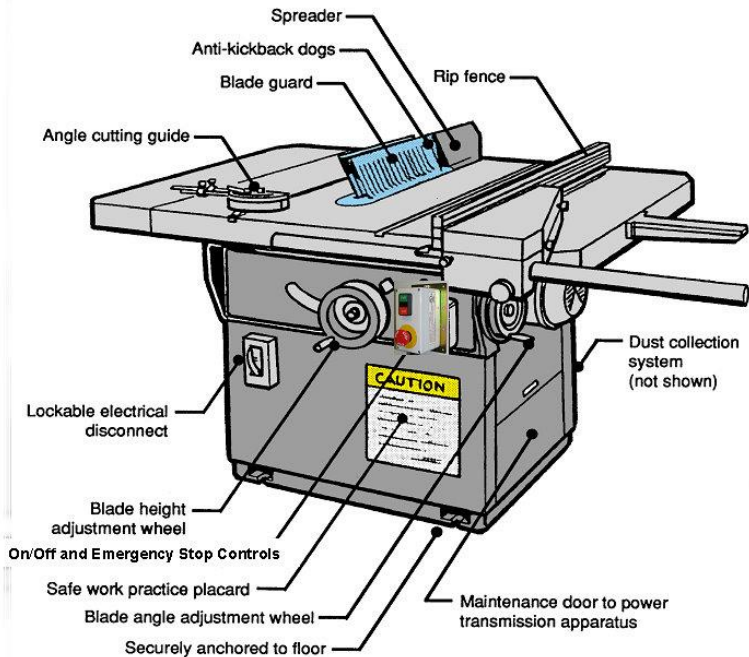
(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Use saw blade designed for material being cut.
- Lower material hold-down bar as far as thickness of material will allow.
- Openings in filler plates should never exceed 1/8 inch on either side of blade.
- Do not force feed material.
- Inspect blades for broken or dull saw teeth, excessive gumming, and fouling.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Table Saw Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the machine have an anti-kickback/splitter?			
2. Does the machine have a blade guard that maintains contact with the stock?			
3. Is the machine's table insert in good condition?			
4. Is the power transmission system guarded correctly?			
5. Are the electrical system, wires, and plug ends compliant?			
6. Does the machine have all OEM knobs, rods and handles?			
7. Does the machine have a latching, red, mushroom shaped E-stop that controls the motor?			
8. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
9. Is the coasting time of the machine acceptable?			
10. Does the machine have a high friction coating at the operator's position?			
11. Does the machine have a high-friction coating at the take-out position on the floor?			
12. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

TABLE SAW

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

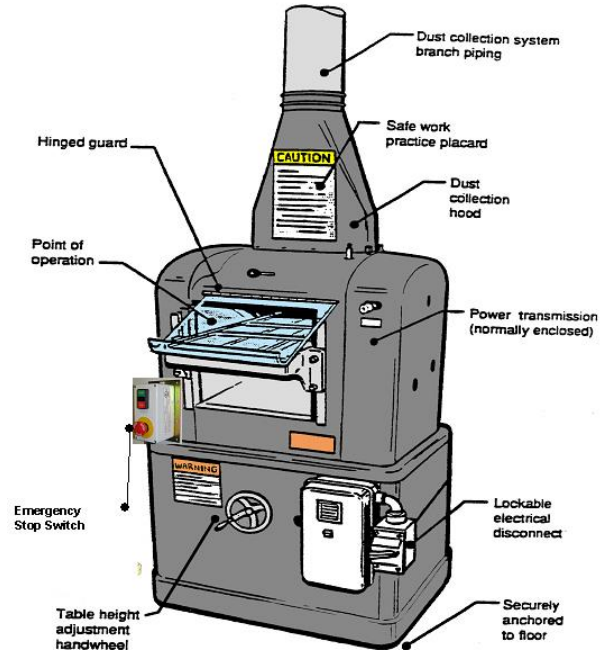
- Never start machine unless all guards are in place, properly designed and adjusted.
- Spreader and anti-kickback dogs are properly positioned and functional when cutting wood.
- Dust collection system, if provided, is connected and operational.
- Keep work area clean. Foreign materials may cause poor footing
- Use proper saw blade for material being cut.
- Inspect mounting flanges for damage and proper size.
- Replace dull, cracked, or excessively fouled saw blades or blades with broken teeth.
- Use push blocks/push sticks whenever possible.
- Follow manufacturer requirements for cutting ferrous and nonferrous metals.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management



Wood Planer Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Is the power transmission system properly guarded?			
2. Does the machine have a point of operation guard (both front and rear)?			
3. Is the coasting time after shutdown compliant?			
4. Are the electrical system, wires, and plug ends compliant?			
5. Does the machine have a latching, red, mushroom shaped E- stop that controls the motor?			
6. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
7. Does the machine have a high-friction coating at the operator's position on the floor?			
8. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

WOOD PLANER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

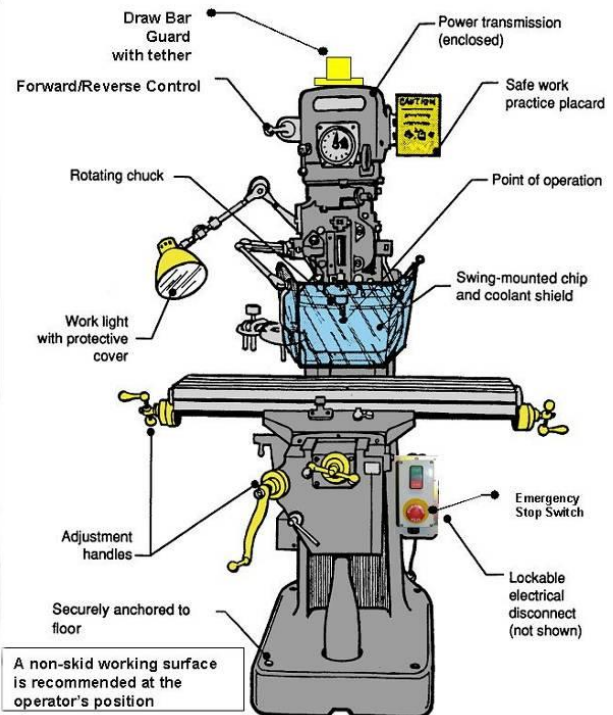
- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Dust collection system, if provided, is connected and operational.
- Inspect workpiece for nails, screws, protruding knots, etc.
- Never stand directly behind work being processed.
- Check cutter height adjustment before use.
- Do not work material too small for machine and personal safety.
- Do not attempt to remove an excessive amount of material at one time.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management



Vertical Mill Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Is the power transmission system properly guarded?			
2. Is the draw bar properly covered?			
3. Is a red, mushroom shaped E-Stop installed that controls the spindle and the table drives?			
4. Does the machine have a chip/coolant shield?			
5. Are the electrical system, wires, and plug ends compliant?			
6. Is the work light (if installed) properly protected against impact and shatter resistant?			
7. Can the machine be securely isolated from its power source?			
8. Is the machine secured to prevent moving or tipping?			
9. Does the machine have a high-friction coating at the operator's position on the floor?			
10. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			

Notes

CAUTION

VERTICAL MILLING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Securely clamp workpiece to table.
- Use spring-loaded operating handles when work table is power fed.
- Use barrier guards when conducting “fly cutting” operations.
- Cover and store all unused cutters.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

HORIZONTAL MILLING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Securely clamp workpiece to table.
- Use spring-loaded operational handles on machines with power-fed tables.
- Cover and store all unused cutters
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Hydraulic Press	
Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the machine have a method of protecting the operator from ejected components?			
2. Does the machine have a method of protecting the operator from crush hazards on all sides of the point of operation?			
3. If the machine is foot actuated, is the foot pedal or switch covered to protect from unintentional operation?			
4. Is the frame and bed rated for the tonnage of the hydraulic pressing cylinder?			
5. Are all hydraulic hoses and fittings properly rated for the application?			
6. Does the machine have all OEM knobs, rods, or handles?			
7. Are the electrical system, wires, and plug ends acceptable?			
8. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
9. Does the machine have a compliant start/stop pushbutton controls and a latching, red, mushroom shaped, emergency stop pushbutton for the pump motor?			
10. Can the machine be securely isolated from its power source?			
11. Is the work light properly protected against impact and shatter resistant?			
12. Does the machine have a high-friction coating at the operator's position on the floor?			
13. Is the machine secured to prevent moving or tipping?			
14. Are there any noticeable leaks in the hydraulic system?			

Notes

CAUTION

HYDRAULIC POWER PRESS

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place and properly adjusted.
- Foot pedal control protected against accidental activation.
- Two-hand control system located safe distance from point of operation.
- Never leave control mode selector keys in machine. Supervisor keeps keys during operation.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Use “inch” stroke control mode for setup purposes.
- Use hand-feeding tools to place and retrieve parts.
- Die blocks used during die setting and maintenance operations: interlocked to disconnect power while using.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

BENCH-MOUNTED HYRAULIC POWER PRESS

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Locate operational controls a safe distance from machine.
- Keep work area clean. Foreign materials may cause poor footing.
- Use hand-feeding tools whenever possible.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- De-energize and lockout machine before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

CAUTION

MECHANICAL POWER PRESS

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

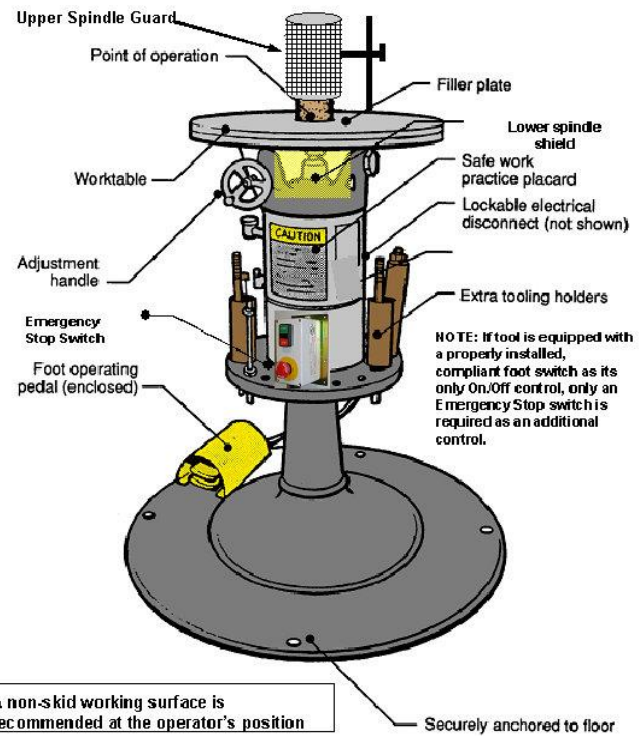
(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Two-hand control system located a safe distance from point of operation.
- Foot pedal control must be protected against accidental activation.
- Never leave control mode selector keys in machine. Supervisor keeps keys during operation.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Use “inch” stroke control mode for setup purposes.
- Use hand feeding tools to place and retrieve parts whenever possible.
- Die blocks used during die setting and maintenance operations: interlocked to disconnect power while using.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

Vertical Spindle Sander Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps
Machine Frame Type	Maximum Spindle Diameter
Pedestal Bench Cabinet	3" or 6"



	Yes	No	N/A
1. Does the machine have a spindle guard that covers the unused upper part of the spindle?			
2. Does the machine have a lower spindle guard in front?			
3. Does the machine have a lower spindle guard in rear?			
4. Is the power transmission system properly guarded?			
5. Are the electrical system, wires, and plug ends acceptable?			
6. Can the machine be securely isolated from its power source?			
7. Does the machine have a latching, red, mushroom shaped E- stop that controls the motor?			
8. Does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
9. Does the floor have a high-friction coating at the operator's position			
10. What type of upper spindle guard is best for this machine?			
A - Floor Mounted - for pedestal type machines that are secured to floor.			
B - Pedestal Mounted - for pedestal style that are not secured to floor.			
C - Table Mounted - for pedestal or cabinet type machines			

Notes

CAUTION

DRUM/SPINDLE SANDER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Do not mix incompatible dusts (steel and aluminum).
- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Dust collection system, if provided, is connected and operational.
- Use proper abrasive disk and/or belt for material being processed.
- Beware of contact with the unguarded portion of drum/spindle above and below work table.
- Replace disks if abrasive surface has rips, tears, or worn areas.
- Filler plate opening should not exceed 1/8 inch.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management



Panel Saw Survey

Machine Owner	Worksite
Surveyor's Name	Date of Survey
Supervisor's Name	Room Name or No.
Machine Manufacturer	
Model #	Serial No.
Supply Voltage	No. of Supply Phases (Circle One) 1 or 3
Horsepower	Full Load Amps



	Yes	No	N/A
1. Does the machine have a trough guard?			
2. Does the saw return to its starting position automatically?			
3. If the "lock on" button is present, does the saw have an E-Stop?			
4. If the "lock on" button is present, does it have a system that will prevent automatic restart after power outage? (Power outage protection)			
5. Are the electrical system, wires and plug ends acceptable?			
6. Can the machine be securely isolated from its power source?			
7. Does the machine need high friction coating at the operator's position?			
8. Is the machine secured to prevent moving or tipping?			

Notes

CAUTION

Machine Name _____

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Do not wear gloves, jewelry, or loose clothing.
- Beware of all dangerous moving machinery parts.
- Keep work area clean.
- Ensure that operator is properly trained and has read owners operation manual.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- _____.
- _____.
- _____.

Note: Immediately report all machinery malfunctions to management

CAUTION

SPINDLE SHAPER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Use proper cutter for material being worked.
- Inspect cutter and collets for defects before each use.
- Use jig fixtures to feed material whenever possible.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

MULTIPLE SPINDLE “GANG DRILL” DRILL PRESS

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Use workpiece clamps, vices, etc. to secure work to table.
- Do not use dull or damaged drill bits.
- Do not grab “quick-change chucks” while rotating, regardless of speed.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

ROUTER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Only use accessories designed to operate in high speed routers.
- Always disconnect the plug from the electrical outlet before changing bits or making adjustments. This also applies to special set-ups where the router is mounted in a table.
- Make sure the bit is firmly secured in the chuck before starting work.
- Make sure the router motor is secured to the router base before the power is turned on.
- When starting the router, make sure the bit is not in contact with the work.
- Hold the router firmly when turning the power on to overcome the starting torque of the motor.
- Keep hands and loose clothing away from revolving bits and cutters.
- Operate router in the proper direction, e.g., into or against cutter rotation.
- Do not overload or “bog down” the speed of the router.
- Make several light cuts where large amounts of material are to be removed.
- Always make sure the bit is sharp. If unsure, check with the instructor. Never use a dull bit.
- At least ½” of the router bit shank must be in the collets.
- The work to be routed must be securely clamped or otherwise secured.
- When using multi-piece router bits, double check to make sure that all nuts and bearings are tightened properly.

Note: Immediately report all machinery malfunctions to management

CAUTION

ROLL BENDING AND FORMING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Emergency stopping devices must be in place and operational.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Do not clean or wipe down moving rolls.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

DROP HAMMER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Keep work area clean. Foreign materials may cause poor footing.
- Do not operate machine if unauthorized persons are present.
- All overhead machinery parts secured to prevent falling components.
- Use hand tools for all piecework feeding.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

ELECTRIC MITER SAW

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Dust collection system, if provided, is connected and operational.
- Clamp workpiece securely before cutting.
- Use proper blade for material being cut.
- Replace dull, cracked, or excessively fouled saw blades.
- Never clamp or wedge guard in open position.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

GEAR CUTTING/HOBGING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

HYDRA-MECHANICAL PRESS BRAKE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Foot pedal control must be protected against accidental activation.
- Never leave control mode selector keys in machine. Supervisor keeps keys during operation.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Use “inch” control mode for setup purposes only.
- Use of unitized dies requires additional safeguarding. Contact safety office for proper procedures before proceeding.
- Die blocks used during die setting and maintenance operations: interlocked to disconnect power while using.
- Adjust the stroke limit to set die opening no more than 1/4 inch above thickness of material.
- Use “back gage” to correctly align material to be processed.
- Use hand tools to hold workpiece whenever possible.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

HYDRAULIC PRESS BRAKE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Never leave control mode selector keys in machine. Supervisor keeps keys during operation.
- Foot pedal control must be protected against accidental activation.
- Operating controls required for each operator.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Adjust the stroke limit to set die opening no more than 1/4 inch above thickness of material.
- Use of unitized dies requires additional safeguarding. Contact safety office for proper procedures before proceeding.
- Use “inch” stroke control mode for setup purposes.
- Die blocks used during die setting and maintenance operations: interlocked to disconnect power while using.
- Use “back gage” stops to correctly align the material.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

IRONWORKER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Foot pedal control must be protected against accidental activation.
- Beware of all dangerous moving machinery parts-all operating stations move at the same time.
- Keep work area clean. Foreign materials may cause poor footing.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

“KNEE MILL” MILLING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Securely clamp workpiece to table.
- Do not reach over moving machinery to activate controls.
- Use spring-loaded operating handles when work table is power fed.
- Cover and store all unused cutters.
- Use barrier guards when conducting “fly cutting” operations.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

MECHANICAL PRESS BRAKE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Foot pedal control must be protected against accidental activation.
- Two-hand control system located safe distance from point of operation.
- Never leave control mode selector keys in machine. Supervisor keeps keys during operation.
- Separate operating controls required for each operator/helper.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing.
- Use “back gage” stops to correctly align material.
- Use hand tools to hold workpiece whenever possible.
- Use “inch” stroke control mode for setup purposes.
- Use of unitized dies requires additional safeguarding. Contact safety office for proper procedures before proceeding.
- Die blocks used during die setting and maintenance operations: interlocked to disconnect power while using.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

METAL SHEARING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Foot pedal control must be protected against accidental activation.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Give control selector keys to supervisor during the operation.
- Do not shear material too narrow for hold-down dogs to reach.
- All personnel must be away from shear table before operation.
- Do not allow personnel to reach under rear barrier to retrieve material while running.
- Use hand tools whenever possible.
- Awareness barrier is in place at rear of machine.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

PRECISION HONING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Do not reach over or around moving machinery to activate controls.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

PYRAMID ROLL BENDING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Do not reach over or around moving machinery to activate controls.
- Do not clean or wipe down moving rolls.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

RESISTANCE WELDING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Shields of safety glass or other fire-resistant material confine flying sparks.
- Keep work area clean. Foreign materials may cause poor footing
- Wear proper gloves to protect hands—keep hands clear of electrodes.
- Operate machine using only certified control settings and procedures.
- Double check heat and tip pressure before welding.
- Inspect welding cables often for damage and wear.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

SURFACE GRINDER

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Inspect abrasive wheels before each use. Replace cracked, badly scarred, or fouled wheels immediately.
- Use proper wheel for material being worked.
- Before mounting new abrasive wheel, be certain rated speed of grinding machine does not exceed rated speed of abrasive wheel.
- After mounting new wheel, stand to one side, allow grinding wheel to run at operating speed for at least one minute before beginning work.
- Give “ring test” to each abrasive wheel before mounting.
- Check coolant level prior to grinding.
- Turn off coolant before stopping wheel to avoid out-of-balance condition.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management

CAUTION

PNEUMATIC RIVETING/DIMPLING MACHINE

WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

(ie. eye, face, hearing etc.)

- Never start machine unless all guards are in place, properly designed and adjusted.
- Beware of all dangerous moving machinery parts.
- Keep work area clean. Foreign materials may cause poor footing
- Do not reach over or around moving machinery to activate controls.
- Cool hot dimpling components (dies) before removal or adjustment.
- Set correct temperature and timer settings before dimpling parts.
- Lower anvil all the way down when changing setup.
- Raise anvil gradually to avoid damage to dies and parts.
- Keep hands clear of anvils during operation.
- De-energize and lockout all energy systems before making adjustments/ repairs.
- Do not wear gloves, jewelry, or loose clothing.
- Ensure that operator is properly trained and has read owners operation manual.

Note: Immediately report all machinery malfunctions to management