



Tripartite Alliance for
Workplace Safety and Health

Library of Photos

Machinery Safety



List of Commonly Used Machines

1. Power Press
2. Conventional Lathe Machine
3. Grinding Machine
4. Milling Machine
5. Blender Mixer
6. Mincing Machine
7. Drill Press
8. Packing Machine
9. Mesh Welding Machine
10. Butt Welding Machine
11. EVG Coil Machine
12. Coupler Machine
13. Band Saw
14. Table Saw
15. Goods Elevator

Power Press

Possible Hazard: Crush by power press Machine.

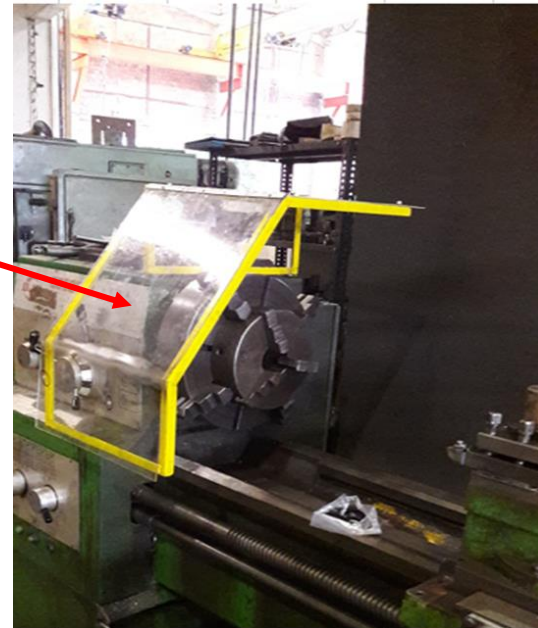
Risk Control: Light curtain will shut down the machine when the light beam is interrupted by operator's hand inside the machine



Conventional lathe Machine

Possible Hazard: Caught by moving parts of lathe machine.

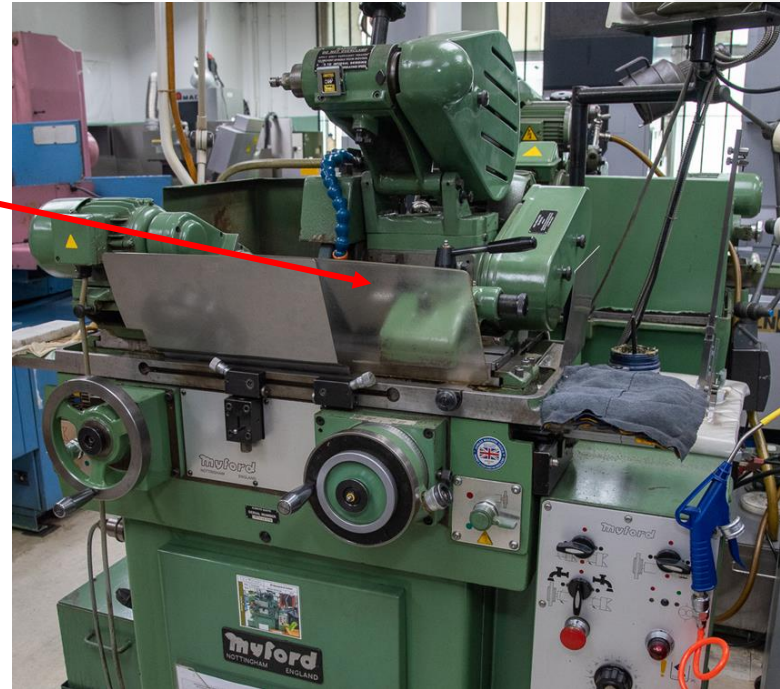
Risk Control: Perspex guard protects operator from rotating spindle of lathe machine



Grinding Machine

Possible Hazard: Hit by flying debris of grinding machine

Risk Control: Guard protects operators from the debris caused by grinding machine.



Milling Machine

Possible Hazard: Hit by flying debris of milling machine

Risk Control: Facial guard protects operators from the debris caused by milling machine. Hand guard prevents hands from accessing the machine while in operation.



Blender Mixer

Possible Hazard: Caught by moving parts of mixer.

Risk Control: Safety interlock installed to ensure cover is closed before operation.



Mincing Machine

Possible Hazard: Caught by moving parts of mincing machine.

Risk Control: Use of guard and push stick prevent access of hands and fingers into the mincing machine.



Typical industrial meat mincer.

1. Feed tray with feeding orifice
2. Throat
3. Grinder housing



Drill Press

Possible Hazard: Cut by flying drill bits and cut by rotating drill.

Risk Control: Clear Perspex guard that travels with the drill bit to prevent fingers from being cut by drill bit.



Packing Machine

Possible Hazard 1: Caught in-between packing machine.

Risk Control 1: This safety feature prevents operator's hands during machine maintenance such as machine fault due to jamming of packing material.

Possible Hazard 2 : Caught in-between packing machine.

Risk control 2: Interlocks installed on Perspex casing automatically stops packing machine when casing is opened.



Mesh Welding Machine

Possible Hazard: Caught in-between moving coil.

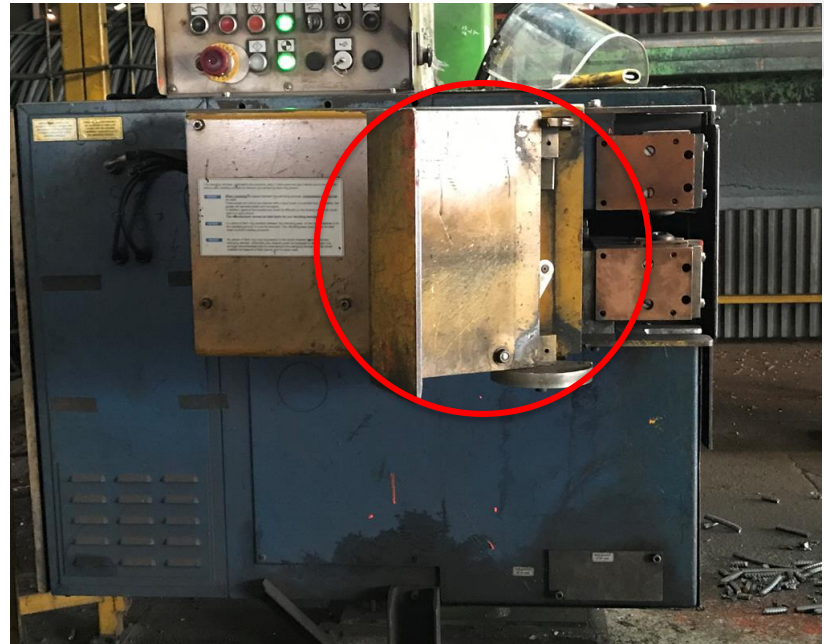
Risk Control: Gate interlocks installed on perimeter barricade stops the operation of welding machine when operator enters the perimeter barricade.



Butt Welding Machine

Possible Hazard: Scald by hot surface on welding machine.

Risk Control: Protective guard which is removable helps prevent direct contact of operator's hand with the hot surface.



EVG coil machine

Possible Hazard: Operator hit by small links during shearing process.

Risk Control: Protective movable guarding installed.



Coupler Machine

Possible Hazard: Caught in-between moving parts.

Risk Control: Use of removable guard protects operator hands from moving thread cutter.



Band Saw

Possible Hazard: Cut by sharp object.

Risk Control: Installation of a protective guard and the use of push plate prevent direct contact when cutting the meat.



Table Saw

Possible Hazard: Cut by sharp tool.

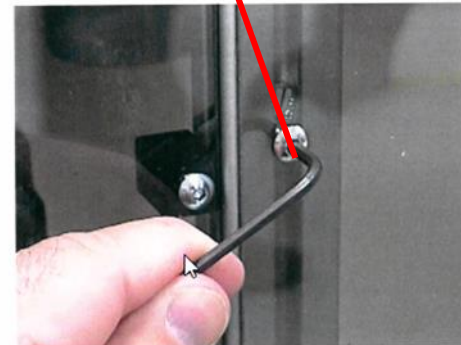
Risk Control: Use of adjustable guard which need to be placed downward before carrying the cutting on the wood pieces.



Goods Elevator

Possible Hazard: Caught in-between moving object.

Risk Control: Fixed guard installed which can only be removed with hand tool, protects operator from access to an elevator in motion.



Tool (Allen Wrench) Being Used To Remove Guard

Acknowledgement

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