

Title: Sheet Metal Box and Pan Brake

Issue Date: May 2016

CENTRAL OFFICE USE ONLY

Page Number: 1 of 2

Last Reviewed: May 2016

Next Review Date: May 2018

DO NOT use this machine unless you have been trained in its safe use and operation.







Description of Work: Using a Sheet Metal Box and Pan Brake



Potential Hazards: Pinching hazards with significant mechanical advantage when handles are moved or pulled. Exposed moving parts and gears. Extreme hazard is always present. Risk of cuts from sharp work piece edges with all sheet metal work.

Important Notice: This SOP is intended as a reference guide to compliment Western Engineering's Shop Safety Training. This document by its self does not constitute shop/equipment training. Please visit OWL site: "Western Engineering Shop Training"

Personal Protective Equipment (PPE) Required (Check the box for required PPE):

					
Cut Hazard	Gloves	Eye Protection	Pinching Hazard	Approved Footwear	Employ Entanglement Precautions
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Potential Risks and Hazards:

- Protect from pinching and cutting at all times from both machine and work pieces
- Protect hands from exposed moving parts
- Protect body from moving counter weight when fitted

Safe Work Procedure Checklist:

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1. PRE-Operation:

- Guards or safety devices shall never be removed or adjusted, except by an authorized person for maintenance purposes.
- Working parts should be well lubricated and the jaws and fingers free of rust and dirt.
- Ensure no slip/trip hazards are present in workspaces and walkways.
- Be aware of other personnel in the immediate vicinity and ensure the area is clear before using equipment.
- Familiarize yourself with and check all machine operations and controls.
- Faulty equipment must not be used. Immediately report suspect machinery.

2. Operation:

- Never use pan brakes for bending metal that is beyond the machine's capacity with respect to thickness, shape, or type. 1/16" (1.5mm) flat sheet only
- Never attempt to bend rod, wire, strap, or spring steel sheets in a pan brake.
- Remove the pan brake fingers that are in the way - use only the pan brake fingers required to make the bend.
- Ensure the pan brake fingers that are not removed for an operation are securely seated and firmly tightened before the machine is used.
- Ensure fingers and limbs are clear before operating the pan brake.
- Lower finger clamps to work - do not drop.
- Check work piece is secure.
- Keep clear of moving counterweight (where fitted).

3. POST-Operation:

- Lower finger clamps to a safe position.
- Return all accessories to storage racks.
- Leave the work area in a safe, clean and tidy state.

Competent Persons (The following persons are authorised to operate, supervise and test students on the equipment/process).

Name:	Title:	Contact Details:
Chris Vandelaar	Student Shop Manager	CMLP 1301 x 80281
UMS Technicians	UMS Technicians	TEB Rm. 50 x 88836

This SOP does not necessarily cover all possible hazards associated with the machine and should be used in conjunction with other references It is designed to be used as an adjunct to teaching Safety Procedures and to act as a reminder to users prior to machine use

Date of last review:

Signature: