

SOP (HYDRAULIC PRESS)

SS-WHS-SAF-000

Authorised By:
Rev 1 19/03/2024



TASK	Hydraulic Press					
HAZARDS	Flying debris	<input type="checkbox"/>	Heat / cold	<input type="checkbox"/>	Electricity	<input type="checkbox"/>
	Cuts / laceration	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Rollover	<input type="checkbox"/>
	Pinch / crush	<input checked="" type="checkbox"/>	Noise / vibration	<input checked="" type="checkbox"/>	Plant interaction	<input type="checkbox"/>
	High pressure	<input type="checkbox"/>	Hydraulic Fluid	<input checked="" type="checkbox"/>	Structural	<input checked="" type="checkbox"/>
PPE REQUIRED						

PRE-START CHECKS

1. Ensure all personnel are trained and authorized to operate the hydraulic press.
2. Inspect the press for any visible damage, leaks, or signs of wear.
3. Check that all hydraulic hoses and fittings are properly connected and in good condition.
4. Verify that the pressure relief valve is properly set and functioning correctly.
5. Confirm that fire extinguishing equipment is readily available in case of emergency.

SAFE OPERATING PROCEDURE

1. Wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and closed-toe shoes.
2. Position the workpiece on the press bed, ensuring that it is properly aligned with the ram.
3. Adjust the ram stroke and pressure settings as necessary for the desired operation.
4. Start the hydraulic pump and allow it to build up pressure to the specified level.
5. Activate the press controls to lower the ram onto the workpiece, applying pressure gradually and evenly.
6. Monitor the press operation closely, checking for any abnormalities such as unusual noises or leaks.
7. Be prepared to activate the emergency stop button or release the pressure quickly in case of an emergency.
8. If any issues or errors occur during operation, stop the press immediately and troubleshoot the problem before resuming.

POST-OPERATION PROCEDURE

1. Turn off the hydraulic pump and release the pressure from the press.
2. Remove the workpiece from the press bed and inspect it for any defects or issues.
3. Clean the press bed and surrounding area to remove any debris or spilled materials.
4. Perform routine maintenance tasks such as checking hydraulic fluid levels and inspecting hoses for wear.
5. Store any unused tools or accessories in a designated area, ensuring they are protected from damage and unauthorized use.