

# SOP (SAND BLASTING)

SS-WHS-SAF-000

Authorised By:  
Rev 1 19/03/2024



TASK	Sand Blasting					
HAZARDS	Flying debris	<input type="checkbox"/>	Heat / cold	<input type="checkbox"/>	Electricity	<input type="checkbox"/>
	Cuts / laceration	<input type="checkbox"/>	Dust	<input checked="" type="checkbox"/>	Rollover	<input type="checkbox"/>
	Pinch / crush	<input type="checkbox"/>	Noise / vibration	<input type="checkbox"/>	Plant interaction	<input type="checkbox"/>
	High pressure	<input type="checkbox"/>	Inhalation	<input checked="" type="checkbox"/>	Irritation	<input checked="" type="checkbox"/>
PPE REQUIRED						

## PRE-START CHECKS

1. Ensure all personnel are trained and authorized to perform sand blasting.
2. Inspect the sand blasting equipment for any visible damage, leaks, or wear.
3. Check that the abrasive media is properly loaded into the blasting pot and that the nozzle is in good condition.
4. Verify that the workpiece to be blasted is properly prepared and positioned.
5. Ensure that the blasting area is properly ventilated and that all necessary safety precautions are in place.
6. Confirm that fire extinguishing equipment is readily available in case of emergency.

## SAFE OPERATING PROCEDURE

1. Wear appropriate personal protective equipment (PPE) including a respirator or dust mask, safety glasses, hearing protection, gloves, and appropriate clothing.
2. Start up the sand blasting equipment according to manufacturer's instructions, ensuring that all safety interlocks are engaged.
3. Adjust the blasting pressure and nozzle angle to achieve the desired surface finish without causing damage to the workpiece.
4. Begin the blasting process, moving the nozzle back and forth evenly across the surface of the workpiece to remove contaminants or coatings.
5. Maintain a safe distance from the blasting area to avoid exposure to airborne abrasive media or rebounding particles.
6. Be aware and investigate any unusual noises, vibrations, or odors during blasting.
7. If any issues or errors occur during blasting, stop the equipment immediately and troubleshoot the problem before resuming.
8. After blasting is complete, shut down the equipment and inspect the workpiece for quality and completeness.

## POST-OPERATION PROCEDURE

1. Clean up the blasting area, removing any spilled abrasive media or debris from the workpiece and surrounding area.
2. Dispose of used abrasive media and waste material properly according to company guidelines.
3. Perform routine maintenance tasks such as cleaning the blasting equipment, checking for wear or damage, and replenishing abrasive media as needed.
4. Store the sand blasting equipment and accessories in a designated area, ensuring they are protected from damage and unauthorized use.