TASK	Injection Molding Machine					
HAZARDS	Flying debris	☐	Heat / cold	☒	Electricity	☐
	Cuts / laceration	☐	Dust	☐	Rollover	☐
	Pinch / crush	☒	Noise / vibration	☒	Plant interaction	☐
	High pressure	☒	Fire	☒	Other:	☐
PPE REQUIRED						

PRE-START CHECKS

1. Ensure all personnel are trained and authorized to operate the machine.
2. Inspect the machine for any visible damage, leaks, or signs of wear.
3. Check that the mold is properly installed and secured in the machine.
4. Verify that the hopper is filled with the appropriate material for desired production.
5. Ensure that all safety guards and interlocks are in place and functioning correctly.
6. 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. Start up the injection molding machine according to manufacturer's instructions, allowing it to reach operating temperature.
3. Set the machine parameters such as temperature, pressure, and injection speed based on the material and mold being used.
4. Load the material into the hopper and initiate the molding process by closing the mold and activating the injection cycle.
5. Monitor the operation closely, ensuring that the mold fills properly and that the injection pressure is within safe limits.
6. Be aware of any unusual noises, vibrations, or odors during molding and investigate the cause if necessary.
7. If any issues or errors occur during molding, stop the machine immediately and troubleshoot the problem before resuming.
8. After molding is complete, open the mold and remove the finished parts carefully to avoid damage.

POST-OPERATION PROCEDURE

1. Inspect the molded parts for quality and completeness, making any necessary adjustments to the molding parameters for future reference.
2. Clean up the molding area, removing any excess material or waste from the machine and work area.
3. Dispose of any unused or excess material properly according to company policy.
4. Perform routine maintenance tasks such as cleaning the mold, checking for wear or damage, and lubricating moving parts.
5. Store the injection molding machine and accessories in a designated area, ensuring they are protected from damage and unauthorized use.