

SAFE OPERATING PROCEDURES

Waterjet Cutter

DO NOT use this machine unless you have been instructed in its safe use and operation and have been given permission.



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained.



CSA approved footwear must be worn at all times in work areas.



Close fitting/protective clothing must be worn.



Rings and jewelry must not be worn.

PRE-OPERATIONAL SAFETY CHECKS

1. Check workspaces and walkways to ensure no slip/trip hazards are present.
2. Locate, and ensure you are familiar with, the operation of the ON/OFF starter and emergency stop button.
3. Check that machine guard panels are in position.
4. Ensure that there is sufficient abrasive to complete the cut.
5. Check that the material is securely clamped.
6. Secure the material using clamps and weights, taking care to avoid potential collisions.
7. Faulty equipment must not be used. Immediately report suspect machinery to your instructor.

OPERATIONAL SAFETY CHECKS

1. Keep clear of moving machine parts.
2. Never leave the machine running unattended.
3. Keep the water level above the jet nozzle to reduce noise and splashing.
4. Do not try to retrieve parts when the machine is cutting.
5. Do not put your hands in the water while the machine is cutting.

HOUSEKEEPING

1. Power down the computer using the Windows shutdown procedure.
2. Remove all clamps and materials from the cutting area.
3. Wash excess abrasive off the machine.
4. Leave the machine and work area in a safe, clean, and tidy state.
5. Be careful of others when blowing or washing sand off the machine.

POTENTIAL HAZARDS

- Eye injury from splashing water/abrasive
- Cuts from the jagged support bars
- Cuts from sharp metal edges

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.