

SAFE WORK INSTRUCTION

Proto Max Water Jet Cutter

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses must be worn at all times.



Hearing protection must be worn.



Protective gloves must be worn.

POTENTIAL RISKS

- WARNING** - Cuts to the skin will inject abrasive material. Seek medical aid and take the warning notice with you to a medical centre if you sustain ANY injury involving abrasives.
- When closing the lid, keep your hands away from the edge of the tank
- Removing the abrasive feed tube from the nozzle while under pressure will blow abrasive particles into the air, contaminating eyes, tools and machines.
- Fingers and hands can be pinched or cut by moving parts. Keep fingers and hands away from moving parts.
- When setting up material for cutting, wear gloves that provide protection against sharp metal edges
- Use caution around the support slats on the bed of the machine when loading materials. The edges can become very sharp and cause cuts.

DON'Ts

- Do not use faulty equipment. Immediately report suspect equipment to your supervisor.
- Never leave the machine running unattended.
- Do not operate with guard or panel removed
- Never place hands in vicinity of the nozzle while cutting
- Never reach into moving machinery
- Do not spray water on or near the machine electrical enclosure.

PRE-OPERATIONAL SAFETY CHECKS

- Ensure you have been trained and authorised to use the cutter. Always check with supervisor before operation.
- Locate and ensure you are familiar with all machine operations, controls and procedures.
- Ensure all guards are fitted, secure and functional. Do not operate if guards are missing or faulty
- Ensure material clamps are fitted correctly.
- Inspect the visible high pressure plumbing connections for leaks

- Ensure Nozzle splash guard is fitted correctly.
- Conduct a nozzle test without and with abrasive.
- Run the operational test before loading material and setting machine for cutting.

OPERATIONAL SAFETY CHECKS

- Only one person may operate this machine at a time.
- Turn on the main power, verify the operation light turns on.
- Turn on Computer. Check connection to Machine via application
- Turn on and check the water pressure. This should be 45-85 psi
- Set machine to home position.

ENDING OPERATIONS AND CLEANING UP

- If you are the last user of the day, carry out an operational test to clean the nozzle.
- Switch off the machine when work completed.
- Leave the machine and surrounding area in a safe, clean and tidy state.