

# Safe Work Instruction - Line Marking Machine - Airless Petrol Hydraulic Driven

**DO NOT use this plant\* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator**

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process. Additional training may be required for high risk plant. Site and task may change required PPE.

## PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Protective body clothing must be worn



Hearing protection must be worn



Foot protection must be worn



Hand protection must be worn



Half face mask respiratory protection must be worn

## POTENTIAL HAZARDS AND RISKS

- Fire and explosion**  
Injury from fumes of solvent paints, incompatible fluids with aluminium parts can cause equipment rupture.
- Skin Injection**  
High pressures spray able to inject toxins into the body causing serious injury.
- Carbon monoxide poisoning**  
Exhaust contains poisonous carbon monoxide, can cause death.
- Moving parts**  
Pinch, cut or amputate fingers and another body part injuries
- Manual Task Injury**  
Manual task injury from incorrect manual handling techniques
- Toxic fluid or fumes**  
Toxic fluids or fumes can cause serious injury or death if splashed in eyes or on skin, inhaled, or swallowed
- Burn hazards**  
Injury from equipment surface and fluids that heated can become very hot during operation.
- Battery hazards**  
Content of open battery may leak, explode, severe irritation and /or chemical burns.
- Slip, Trips, Falls**  
Select option from drop down list
- Electrical shock**  
Hazardous voltage is present in control box while engine running.
- Static Sparking**  
Not grounding for flammable flushing fluids can cause fumes to ignite or explode causing serious injury.
- Laser light hazards**  
III3R levels of laser light can causes eye (retinal) injury including spot blindness due to incorrect use.

## PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete the appropriate pre-operational plant checklist if applicable
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure nozzle tips guards, hoses are fitted correctly, fluid tank lids secured, laser beam set at height and angle that prevent the beam from shining in people eyes

## OPERATING PROCEDURES

- ✓ Use equipment in well ventilated area
- ✓ Don't fill up tank while engine is running or hot
- ✓ Operate plant to the conditions of the work area
- ✓ Ensure hoses don't cause a trip hazard
- ✓ Do not aim gun at, or spray at any person or animal
- ✓ Keep hands and body parts away from discharge
- ✓ Follow pressure relief procedure for turning off unit also when removing nozzle tips.

- ✓ Do not leave equipment energized or under pressure while unattended.
- ✓ Always engage trigger lock when not spraying
- ✓ Route hoses and cables away from traffic areas, sharp edges, moving parts and hot surfaces
- ✓ Before making adjustments bring plant to a complete standstill and isolate (use this when applicable)
- ✓ Do not kink or over bend hoses or use hoses to pull equipment
- ✓ Ensure you only use compatible fluids with aluminium pressurised equipment
- ✓ Keep clear of moving parts, hot fluids and surfaces
- ✓ Turn off laser before adjustment or cleaning lens
- ✓ Never look directly into the laser beam or pointed it at anyone
- ✓ Manual relieve pressurized fluid when stop dispensing and before cleaning, checking or servicing the equipment.
- ✓ Wear specified PPE

### **ENDING OPERATIONS**

- ✓ Turn off engine allow plant to cool before performing any maintenance, refuelling or cleaning
- ✓ Refuel plant at least 3 metres from combustibles
- ✓ Ensure grounding procedure is completed for flammable flushing fluids
- ✓ Ensure plant is in good working order
- ✓ Ensure equipment is secure when being transported and stored in the appropriate location

### **DO NOT**

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor
- ✗ Do not leave plant running unattended
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant
- ✗ Do not illegally dispose unwanted solvents or paint

**\*Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.**