

## Dry Ice Blasting Training Outline

1. \_\_\_\_ Machine overview and purpose of use.
  - a. \_\_\_\_ Properties of dry ice blasting
  - b. \_\_\_\_ Only trained individuals should operate the machine(s)
  - c. \_\_\_\_ Introduction of the manual.
  - d. \_\_\_\_ Purpose, use and set up of each component including gun, nozzles, inserts, extensions, air hoses, blast hoses, connections, hopper, vibrator, motor and pellet feed system.
  - e. \_\_\_\_ Capabilities of the machine and accessories including PSI and ice feed rates.
  - f. \_\_\_\_ Application overview as it relates to each piece of equipment.
  - g. \_\_\_\_ The need for dry, clean air. Cover AC Drier here if applicable.
2. \_\_\_\_ Discuss Hazards and Safety Practices - machine and dry ice.
  - a. \_\_\_\_ PPE required and recommended for dry ice blasting (long sleeve shirts, long pants, gloves, safety shoes, eye protection Which may include safety glasses with side shields, goggles or face shield and hearing protection (both plugs and muffs are recommended for high pressure blasting).
  - b. \_\_\_\_ “Pinch Points” and hazard areas inside the machine.
  - c. \_\_\_\_ Proper use of the gun and other safety features on the equipment.
  - d. \_\_\_\_ Static electricity discharge and how to set up a secondary ground (do not use dry ice blasting equipment if you have a pacemaker).
  - e. \_\_\_\_ Airline and compressor safety.
  - f. \_\_\_\_ “Confined Space” cautions and referral to OSHA rules.
  - g. \_\_\_\_ Proper handling and storage of dry ice (avoid asphyxiation and burns).
3. \_\_\_\_ Applications, control of aggression, and nozzle selection.
  - a. \_\_\_\_ Cover CFM consumption and how it relates to PSI.
  - b. \_\_\_\_ Matching the right nozzle/insert to the application and air available.
  - c. \_\_\_\_ Explain methods to control aggression of dry ice blasting.
4. \_\_\_\_ Hands on training and blasting.
  - a. \_\_\_\_ Pre use inspection of the equipment.
  - b. \_\_\_\_ Proper system set up and assembly.
  - c. \_\_\_\_ Proper start up and check out of equipment prior to dry ice introduction.
  - d. \_\_\_\_ Ice introduction to the machine.
  - e. \_\_\_\_ Blasting technique (trigger safety, proper balanced way to hold the gun and blast hose, plastic barriers for removing oil, grease, ink, etc. and powdery materials may require vacuuming before blasting if necessary).
  - f. \_\_\_\_ Hands on use of the equipment (all trainees will run the machine and practice blasting).
5. \_\_\_\_ Tear down, cleaning, and storage of equipment.

- a. \_\_\_\_\_ Post use inventory.
  - b. \_\_\_\_\_ How to clean your equipment (clean and inspect exterior, guns, nozzles, hoses, hopper and fittings).
  - c. \_\_\_\_\_ Proper storage and care for each component.
6. \_\_\_\_\_ Questions and answers.

Names of Trainees:

_____	_____
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_____	_____
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_____	_____

Equipment Trained on Today: \_\_\_\_\_

Training Provided By: \_\_\_\_\_

Accepted by: \_\_\_\_\_

Date: \_\_\_\_\_

Company: \_\_\_\_\_