

STANDARD OPERATING PROCEDURE

Heated Airstream Tools - Hand Held

DO NOT use this tool unless you have been trained and assessed to a competent level in its safe use and operation, and have been given permission to use this equipment.



Safety glasses must be worn when operating this equipment.



Long and loose hair must be contained when operating this equipment.



Covered footwear must be worn when operating this equipment.



Heat resistant gloves must be worn when changing hot nozzles.

PRE-OPERATIONAL SAFETY CHECKS

1. Ensure that risk assessment has been read. **UQ risk assessment task ID # 2400.**
2. Check workspace and walkways to ensure no slip-hazards are present.
3. Ensure area adjacent to work piece is clear from all flammable items
4. Check equipment is fitted with a current electrical safety test tag.
5. Examine the power cord for damage.
6. Locate and ensure you are familiar with the operation of the ON/OFF switch.
7. Ensure the correct nozzle is selected for the job.
8. Adjust temperature to suit material type and characteristics.
9. Faulty equipment must not be used. Immediately report suspect equipment.

OPERATIONAL SAFETY CHECKS

1. Never leave the tool running unattended.
2. Never carry a power tool by the power cord or disconnect the tool by yanking the power cord.
3. Ensure that the work piece is securely held or clamped whilst working.
4. Always ensure the air stream is directed safely when starting or using the tool.
5. Whenever possible between operations, ensure tool and nozzle are cooled, switched off and rested safely to prevent inadvertent contact with skin or material.
6. Before changing nozzles, pass cool air through tool & nozzle if not an automatic function of the tool. If adjustments need to be made quickly to ensure the temperature of workpiece is maintained, use leather gloves and, where necessary, pliers to remove/replace any hot nozzles.
7. Ensure hot nozzles and work pieces are placed safely to prevent contact with skin or material.
8. Use a safe working posture (beware of hair, skin or clothing in line with heated air stream).

HOUSEKEEPING

1. Before storing tool/nozzle, pass cool air through tool & nozzle if not an automatic function of the tool.
2. Allow all tools and nozzles to cool down before handling or storing.
3. Ensure tool is rested on an appropriate stand or bench whilst cooling.
4. Switch off the machine and unplug.
5. Return all tooling and fixtures to the correct storage location.
6. Ensure the equipment and work area are in a safe, clean and tidy state after job is completed.
7. Return surplus material to stock & dispose of waste material in an appropriate recycling or waste bin

POTENTIAL HAZARDS

- Burns from hot material, surfaces, nozzles or air stream
- Eye injuries
- Inhalation of fumes and dust particles
- Flying swarf/chips
- Electric Shock

FORBIDDEN

- Manually holding small work pieces in the airflow
- Heating flammable liquids
- Overheating combustible or noxious materials
- Removal or modification of safety devices
- Distracting operator
- Using equipment with lapsed test tag
- Drying skin, hair or clothing

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.