



ST 200/E Mini Air Pencil
Operation and Maintenance Manual
Manual P/N 5050-0565

Thank you for purchasing this SMD Rework Station. Please read this manual before operating the unit. Store this manual in a safe, easily accessible place for future reference.

1. Specification

Model	ST200
Power consumption	120W
Heating Voltage	36V
Temperature range	100 °C - 450 °C
Airflow	6.0 LPM (Max.)
Display Mode	LED Digital Display
Length of Handle assembly	104cm
Dimension	25cm (L) X 28cm (W) X 11.8cm (H)
Weight	5.3 Kg
Noise	<55dB

2. Safety Instructions

CAUTION

When the power is on, the air coming out of the nozzle and the surrounding area are very hot. Mishandling may lead to burns or fire, be sure to observe the following precautions.

- Please avoid abuse of the equipment, use the system only in the describe manner!
- Do not touch the nozzle or the front end of the handpiece.
- Never use the unit near flammable gases or flammable materials.
- Turn the power off while taking breaks and when finished using the unit.
- Turn the power off and wait for the nozzle to cool to room temperature before replacing parts, installing a nozzle or storing the unit.
- The handpiece must be stored in the handpiece cubby when not in use.
- Do not block the airflow from the nozzle.
- Keep the nozzle at least 2mm from the object to be heated.
- When not in use, unplug the system.
- The unit shall only be used with rated voltage and frequency. Refer to the power requirements on the back of the unit.

- If the unit becomes damaged, stop using immediately and do not use until it has been repaired by a qualified technician.
- Don't rap the handle, it maybe damage the handle.
- Do not modify the unit
- Use only genuine replacement parts.
- Keep the unit out of reach of children.

3. Application

The unit is suitable for desoldering various kinds of components such as chips, SOIC, SOT, TSOP, QFP, PLCC and other SMDs, with or without solder paste.

4. Operation instructions

1. Position the unit on a stable work platform and place the handpiece in the handpiece cubby.
2. Plug the provided power cord into the power inlet on the back of the unit.
3. Plug in the power cord to proper electrical supply..
4. Turn on power switch.
5. Turn the temperature control knob to the desired temperature.
6. Pick up the handpiece and the unit starts working immediately. Set appropriate air volume by turning the airflow control knob. You can start to work when the temperature stabilizes.
7. The handpiece must be placed back in the cubby when heating is finished. The heater will begin to cool and the airflow will continue until the heater cools to 100 C.
8. When not in use, turn the system, off.

Note: Try to use lower temperature and large air airflow while using the unit as doing so. It will help to increase the life of heating element and to ensure the safety of the ICs.