



SOLDRON®

A Brand you can trust

SL-878D Multi-function ESD Protected Hot Air and Iron Digital Rework Station

USER MANUAL



List of Functions



1. Soldering Iron Temperature Read Out.
2. Soldering Iron Setting Knob.
3. Hot Air Iron Airflow Volume Setting.
4. Soldering Iron Connector.
5. Hot Air Temperature Read Out.
6. Hot Air Temperature Setting Knob.
7. Hot Air To Iron Connector.

878D Features

Soldering Iron Features

1. ESD safe, lead free iron with a printed ceramic heater.
2. Micro-controller based smart circuit design.
3. With ceramic heater for high efficiency and long life.
4. With Precise temperature output.

Hot Air Gun Features

1. High capacity heater with temperature sensor for uniform and fast heating.
2. Blower on the handle with speed control makes it efficient, light and easy to use.
3. When the hot air gun is placed on the stand, a sensor switches the heater off and starts the fan to cool the gun.

Hot Air Gun Specifications:

1. Power Supply: AC 230V/50Hz.
2. Power Consumption: 400W.
3. Range of Temperature: 200°C to 450°C
4. Hot air gun element: Durable high temperature metal wire.
5. Air pump Type: Motorised blower.
6. Air Flow: 100L/min.

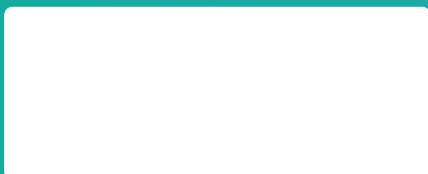
Suitable for the Following:
SOIC, CHIP, QEP, PLCC, BGA, Etc.

Other Uses:
Heat Shrink, Drying, Removing Lacquer .
and Adhesive, Melt Glue, etc.

Warranty

This product holds warranty of 6 months against manufacturing defects only. Tempering of seal or physical damage voids warranty.

Dealer's stamp and Date of purchase



VIMLA ENGINEERING

S. & N. Industrial Estate, S. J. Marg,
Lower Parel, Mumbai - 400 013.

Customer Care No. - (022) 24953076

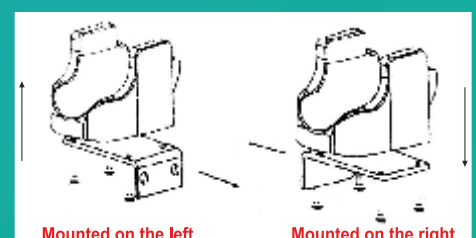
Caution : Safety to Observe

1. This product generates extremely high temperature which can cause severe burn injury if carelessly handled.
2. If placed directly on any surface other than the cradle/stand provided, this device may be the cause of a fire hazard.
3. Do not block the air nozzle.
4. Please place the hot air gun safely in the cradle to automatically shut the heater and cool the gun.
5. keep Away from Children.
6. If the devices comes in contact with water, it may turn into a shock hazard.

Soldering Iron Specification

1. Power consumption: 50W/24V
2. Tip Grounded
3. Range of temperature: 200°C to 480°C
4. Temperature Stabilization : $\pm 2^\circ\text{C}$

Fix Cradle as Shown





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SL-878D Multi-function ESD protected Hot air and digital Rework station

Thank you for choosing Soldron® as your preferred brand. This product shall deliver a perfect soldering experience with long life and reliability. We also offer service and assistance in order to help maintain your product, in perfect working condition.

PACKAGE CONTENTS:

- ♦ Station x 1
- ♦ Iron (with MCH element) x 1
- ♦ 3 Pin Electric cord x 1
- ♦ Hot Air Blower gun x 1
- ♦ Hot Air Nozzles x 3 (5mm, 7mm & 11mm)
- ♦ Iron Stand with Cleaning Sponge x 1
- ♦ Instruction Leaflet x 1

Warning and Caution are defined as follows:

WARNING!:

Misuse may potentially cause death of, or serious injury to, the user. The manufacturer will not be held liable for any loss of life or property.

CAUTION!:

Misuse may potentially cause death or serious injury to the user. Proper diligence has to be used by the user in order to avoid injury or physical damage to objects and/or life hazard.

NOTE: Please use proper safety gear such as goggles and breathing mask in a safe work environment, prior to operation of this product.

When the power is on, tip temperature is between 200°C/392°F and 480°C/896°F. These temperatures are potentially high enough to cause the following:

- ❖ Serious burn injuries by touching the metallic parts/hot air to oneself or others.
- ❖ Can cause fires if product comes into contact with inflammable objects.
- ❖ People in the vicinity of the product should be warned about its potential dangers.
- ❖ Power should be off when not being used and when unattended.
- ❖ Before replacing parts on the respective unit, be sure to switch off the unit and allow ample time for cooling to ambient.

The following conditions must be strictly adhered to while using this product.

- ❖ Use for soldering applications only
- ❖ Banging the soldering iron against hard surfaces to remove extra solder may damage the product beyond warranty, and cause short circuit or shock hazard.
- ❖ Do not attempt to modify the unit as warranty will be void.
- ❖ Use only genuine Soldron Replacement parts.
- ❖ Product should not come in contact with water or moisture.
- ❖ Do not block air vents or front nozzle on hot air blower as this may cause overheating and become a fire hazard.
- ❖ Have proper ventilation while soldering as fumes may be harmful if inhaled.
- ❖ Do not let heated iron come in contact with the electrical cord or plastic casing of the station.
- ❖ Be sure to lightly dampen the sponge to clean the tip when necessary for extended tip maintenance.
- ❖ Be sure to keep the vents of the hot air blower clean and

unobstructed for proper airflow.

- ❖ Do not touch or unplug the iron and/or hot air blower from the base station before switching off the electricity.
- ❖ The hot air blower and the iron have different types of plugs and should not be interchanged.



Setting up and operation:

a) First things first-

1. Be sure to lightly wet the sponge and place carefully in the receptacle provided
2. You can add very little water to the space under the sponge section to avoid it from drying up during use.

b) Connecting the iron and hot air blower to the station:

1. Put the iron and blower in the respective provided stands.
2. Connect the soldering iron and hot air blower plugs into their respective sockets on the station.
3. Gently tighten the nuts, securing the plugs to the sockets.
4. Set the knobs on the station at zero position.
5. Connect the supplied power cord into the station and the other end into the mains.
6. Turn on the switch at the rear of the station.
7. Set the temperature and air knobs as per requirement.
8. Hot air blower's inbuilt sensors will activate when placed within its holder and cool down by leaving its fan on and switching off its heating. When completely cool, the blower fan will switch off until picked up again, which will then re-activate into working mode.
9. When the LED light on the panel starts blinking, it indicates that the preset temperature has been reached.
10. The iron and hot air blower are now ready for use.

Note: The hot air blower may be used without nozzle attachments for large area heating and larger components. Smaller nozzles may be used to heat smaller areas/components.

c) Important Points for tip care

1. Higher soldering temperatures can reduce the life of the tip (Try to use lower temperatures where possible)
2. Clean the tip with the provided cleaning sponge to remove all oxides and flux deposits. This improves the effectiveness of the bit over long term usage.
3. After soldering job is complete, clean the tip and coat it with solder to enhance its life.
4. **CAUTION!:** Using files and abrasive materials to clean the tip, will wear away the protective iron coating to expose the copper which will render the tip useless.
5. When the tip develops a hole due to wear of protective iron