

## SOLDRON 740 3-IN-1 HOT AIR AND SOLDERING STATION



Thank you for choosing Soldron<sup>®</sup> as your preferred soldering brand. This product will give you the perfect soldering experience with longevity, efficiency and reliability. We also offer after sales service and assistance in order to help you maintain your product in perfect working condition

### Package Contents:

- 1 X Soldering Station
- 1 X Soldering Iron
- 1 X Blower
- 1 X Cradle
- 1 X Iron Stand
- 3 X Nozzle
- 1 X Patchcord
- 1 X Power Code

### Warning and Cautions 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 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 fire 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 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 solder 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 electrical chord 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 fit 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 minimum 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. There are 3 switches on the front panel for power supply, hot air and iron functions, which may be toggled as per necessary.
8. Turn on the required function switches.
9. Set the temperature and air knobs as per requirement.
10. Hot air blower's inbuilt sensors will activate when placed within its holder and cool down by leaving its fan on and switching off heating. When completely cool, the blower fan will switch off until picked up again, which will then re-activate into working mode.
11. When the Air LED light on the panel starts blinking, it indicates that the preset temperature has been reached.
12. 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 materials
5. When the tip develops a hold due to wear of protective iron coating, it's time to purchase and replace the bit with an original Soldron bit.
6. Long time idling at higher temperatures may cause de-tinning which can be identified by the solder not adhering to the tip. At which point it is recommended to re-in the tip of the nit with Soldron® bit tip cleaner and tinner.

**d) Amp Meter:**

1. The provided Amp meter allows you to take reading easily.

**e) Power Supply Function:**

1. Two DC plugs are for input and the other two along with USB plug are for output. Note: USB is only for output and always on.
2. The voltage knob can be used to select between 0.15V output for the respective connectors.
3. The flip switch under the LED panel determines whether the power supply function is in reading (input) or output mode.
4. In order to change the voltage, turn the knob next to the LCD panel. The panel will indicate the voltage output.
5. The RF meter alongside the voltage LCD may be used to assess whether the device being worked on is functional, if yes then to what level.

- f) **ESD** : Electrostatic Discharge can only be functional if proper earthing is provided on the earth pin of the mains plug.

Name	SOLDRON®740
Power Consumption	700W (Iron & hot air blower with station combined)

**SOLDERING STATION**

Input Voltage	230V AC
Power	700W
Dimensions	160(L)mmx145 (W)mmx100(H)mm

**SOLDERING IRON**

Type of element	Metallised Ceramic Heater (MCH) With Sensor
Power	60W
Temperature	200°C - 480°C

**BLOWER**

Fan Speed	1 - 8 Set Point
Temperature	200°C - 480°C

**POWER SUPPLY**

Output voltage	0-15 V DC
Amp meter	0-2 amp
Input test mode	0-25 V DC
USB DC Voltage	5V DC

Shipping weight per unit incl. packaging: 3.5 kg  
 Shipping Volume of packaging: 280inmx2 30mmx170mm



**DETAILS:-**

- 1) Power supply DC Amp Readout (MAX- 2 Amps).
- 2) a) RF indicator for disturbance in power supply (indicates only on TEST mode)  
b) DC Voltmeter for Output and TEST voltage REA DOUT
- 3) Toggle switch for Voltage Test or Output.
- 4) USB 5volts DC out
- 5) Power Supply DC out (15Volts/1Amp MAX)
- 6) DC volts In put for TEST (25Volts MAX)
- 7) Power supply voltage setting knob
- 8) Soldering Iron Temperature setting knob
- 9) Soldering Iron connector socket
- 10) Hot Air connector socket
- 11) Hot air blower pressure adjusting knob
- 12) Hot air blower indicator
- 13) Hot air temperature setting knob
- 14) Hot air working indicator
- 15) Soldering Iron working indicator
- 16) Hot air ON/OFF switch
- 17) Soldering 1 ron ON/OFF switch
- 18) Power Supply ON/O FF switch