

# multicomp PRO



**Hot Air Rework Station  
Model: MP740111**

**Please read these instructions carefully before use and retain for future reference.**

## **IMPORTANT SAFETY INFORMATION**

**When using electrical appliances basic safety precautions should always be followed.**

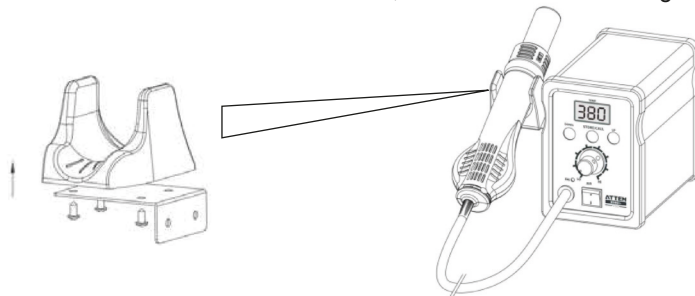
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Do not leave the rework station unattended, while it is powered on.
- Never touch the nozzle tip or the surrounding metallic parts before the nozzle has cooled down completely.
- Do not use the product near flammable items.
- Turn the power off when this product is not in use.
- The desoldering tool must be placed on its stand when not in use.
- Before storage, turn the power off and allow the product to cool down to room temperature.
- Do not use this product for anything else other than that for which it is designed.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not use this appliance with wet hands.
- Do not expose the rework station to rain or moisture.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and/or fumes.
- This appliance must be earthed.

## **WHAT'S INCLUDED?**

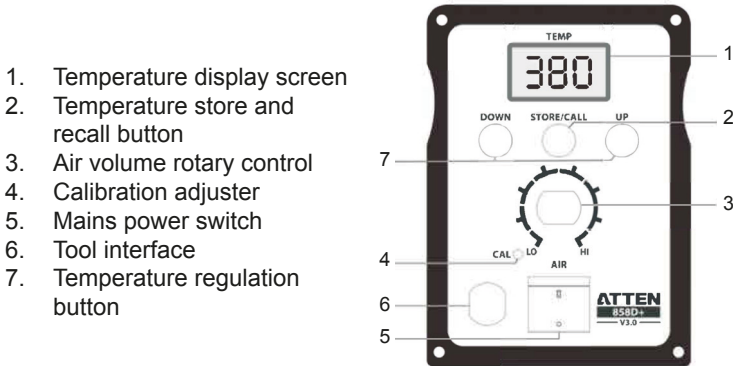
- Control Station
- Hot Air Tool
- Mains Lead
- Hot Air Gun support and screws
- Nozzle set (3)
- User Manual

## **INSTALLATION**

- The support holder for hot air rework station tool must be installed before the product is used for the first time.
- It should be fixed on the left of the machine, as shown in the following diagram.



## OVERVIEW



**Fig 1. Front Panel Layout**

## OPERATION

- Put the hot air handle onto the bracket.
- Connect the mains plug into the power socket and switch the power-on.
- To switch between Fahrenheit and Centigrade operation, press and hold the SET button while turning on the mains power.
- To increase or decrease the temperature press the UP or DOWN button. To adjust in greater increment press and hold the relevant button.
- The LCD will update after a few seconds to display the current temperature.
- To adjust the air volume use the rotary control. The LCD displays A25 to A99.
- Max volume is 120l/min.

### Store/recall settings

- To store a setting of temperature and air volume to memory, press and hold the STORE/CALL button for about two seconds.
- To recall a setting briefly press STORE/CALL again.

### Sleep Function

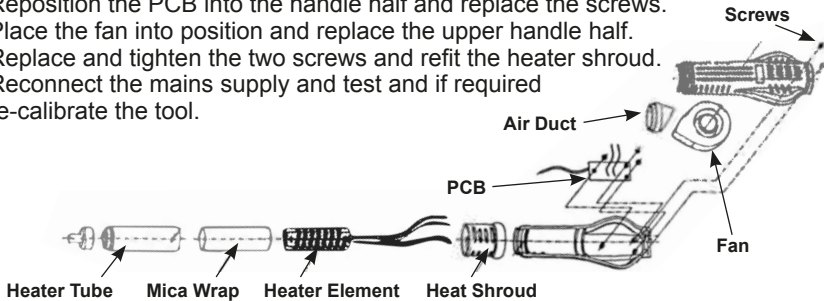
- When the hot air tool is placed in the support holder, heating is turned off and cooler air is produced until the temperature of the nozzle is reduced to 100°C then SLP is displayed on the LCD.
- Remove the tool from the holder and the station will resume normal working state and return to the set temperature.
- When you have finished using the rework station, place the tool in the holder and allow the station to automatically lower the temperature to 100°C or press the down button to less than 100°C and wait for the temperature to drop to this setting before you switch off the mains power.

## CALIBRATION

- After replacing the heating element it may be necessary to recalibrate the tool.
- Using a meter to accurately measure the nozzle temperature, any deviation to that displayed on the LCD can be corrected by using a small non-conductive screwdriver to turn the adjuster through the hole (4) in the front panel (see Fig 1.)

## TROUBLESHOOTING

- If **S-E** displays on the LCD the heating sensor has gone open circuit.
- If **H-E** displays on the LCD the heating core has gone open circuit.
- To replace the heater assembly allow the tool to fully cool to room temperature.
- Disconnect the station from the mains supply.
- Remove the two screws in the handle and unscrew the heat shroud and slide it off the heater tube so the handle can be split open.
- Carefully lift out the fan and remove the screws holding the connector PCB to the handle and turn it over.
- Note the location and wiring colours for the heating element and unsolder them from the PCB. **Do not** disturb the black ground wire from the heater tube.
- Slide the heating element out of the heater tube complete with the mica paper wrapping.
- Apply the mica wrap to the new element and slide it into position inside the tube.
- Resolder the wires to the PCB as before.
- Reposition the PCB into the handle half and replace the screws.
- Place the fan into position and replace the upper handle half.
- Replace and tighten the two screws and refit the heater shroud.
- Reconnect the mains supply and test and if required re-calibrate the tool.



## SPECIFICATIONS

Input Voltage	220-240V~50Hz
Power	700W Max
Display	Red LCD Digital
Temperature Range	100°C - 500°C
Accuracy	±35°C
Stability	±5°C
Air Volume	0-120 litres/min
Air Supply	Turbofan



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronics Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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