Circuit Specialists

Power-Station+

3 Function
Hot Air Rework System

Thank you for purchasing this soldering equipment product
from Circuit Specialists.

IMPORTANT: This equipment is shipped with shipping bolt(s) intended to secure the diaphram Pump. These bolts are designated by red coloring and can be found on the base of the unit. These red bolts must be removed prior to using this equipment. Damage may occur if this is not accomplished.

for customers living in the USA

for customers living in Europe

CircuitSpecialists

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The POWER-STATION+ from Circuit Specialists features a large LCD display which allows for dynamic display of the system performance. The setting is clear at a glance. The powerful hot air system combines with a 75 watt soldering iron which also includes a smoke absorbing feature. Controlled by a SAMSUNG SCM & PID program, the POWER-STATION + can achieve real-time tracking and rapid temperature recovery providing temperature stability within a fluctuation range of +/- 1 deg C at the components heating elements Fast heat up time and auto shut down features make this one of our top performing hot air rework systems.

Basic Features:

1. Individual Power Switch for Hot Air, Soldering Iron and Soldering Iron smoke absorber
2. SAMSUNG SCM & PID program enables this unit to achieve real-time tracking and correction of air gun and soldering iron temperature
3. Fahrenheit/Celsius display switchable
4. Large Liquid Crystal Display
5. Fast heat up.
6. Manual/Automatic mode may be set for operating the air gun
7. Auto Sleep function applies to the soldering iron & may be set from 0 to 99 minutes
8. Vacuum operated component pick up tool may be selected & used instead of the smoke filter

Basic Instructions

• Attach the side mount hot air gun holder
• Power up the unit with the main power switch located on the back of the unit
• Apply the appropriate power switch on the front panel (hot air/soldering/smoke absorber) You may apply 1, 2 or all three
• The Hot Air and Soldering Iron Temperature setting up/down buttons are on the right hand side of the front panel. Use these buttons to set your desired temperature in Celsius or Fahrenheit
• Set your air speed using the rotary knob libeled "air"
• Attach the soldering iron to the 6 pin connector at the lower right hand corner of the front panel
• Attach the smoke absorber tubing to the vacuum nozzle next to the solder iron connector. Make sure there are not any kinks in the air line.
• If desired, install the vacuum powered component pick up wand instead of the air filter

Setting the Hot Air Auto/Manual Operation

This Power-Station is equiped with a user selectable auto/manual operation mode. In the auto mode, the system will detect (through magnetic switch) when the hot air gun is placed in the cradle and automatically start the cool down procedure. However, if the user wants to disable this feature, then apply the following steps to switch between auto and manual. Factory default for this unit is "auto" While in the auto mode, once the end user removes the hot air gun from the cradle, the system will quickly return to the setting it was on when the hot air gun was originally placed in the handle. In order to switch between auto mode and manual mode, follow this procedure:

- Press and hold BOTH UP and DOWN arrow buttons on the HOT AIR switch panel. After 4 seconds the AUTO or MANUAL indicator on the panel will flash and buttons should then be released
- Now select AUTO mode by pressing the UP button on the hot air switch panel or select MANUAL mode by pressing the DOWN button on the hot air switch panel

After 5 seconds, the AUTO or MANUAL indicators will stop flashing and the selected mode will be stored in memory

Setting the soldering iron sleep mode

The soldering iron features automatic sleep mode operation which may be disabled or adjusted to any desired operating time from 1 to 99 minutes. This feature may be set by the end user using the following procedure:

- PRESS and HOLD BOTH the UP and DOWN arrow buttons on the SOLDERING switch panel. After 4 seconds, the SLEEP indicator on the display will flash and when this occurs, the buttons should be released. The present sleep time setting will be displayed above the SLEEP indicator.
- Now the desired sleep time may be reset by pressing the UP or DOWN buttons on the soldering panel. A value of "0" will effectiovely disable the auto sleep feature.

After 5 seconds, the SLEEP indicators will stop flashing and the selected auto sleep time will be stored in the memory.

Changing the Display from Celsius to Fahrenheit

a: Simultaneously press and hold the hot air up button and the pre-heater up button for 3 seconds
b: The display will show the present format (C or F)
c: Then press the HOT AIR "UP " button to change the display from Celsius to Fahrenheit
d: Press the PREHEAT "UP" button to change from Fahrenheit to Celsius

After 4 seconds, the F or C will disappear and your temperature reading will continue in the mode you selected.. The default mode for a new system is Celsius.

GENERAL SPECIFICATIONS

Machine Unit

Rated Voltage	AC 220V±10% for units sold from Europe
	AC110V +/- 10% for units sold from the USA
Power	720W±10% (Max.)
Working Environment	0 ~ 40 ℃ relative humidity < 80%
Storage Environment	-20 ~ 80 ℃ relative humidity < 80%
Body Size	255*188*125mm
Weight	5.11KG

Parts

Item	Hot air rework	Soldering iron
Output Power	550W	75W
Temperature Range	212°F~896°F	392F~896F
	(100°C~ 480°C)	(200°C~ 480°C)
Airflow Type	Diaphragm pump	—
Air Flow	28L /min (Max.)	—
Temperature Stability	±1℃ (Static)	±1℃ (Static)
Display Type	LCD display	LCD display
PID Temperature Correction Cycle	Rapidly 20ms	High-speed 100ms
Heating Elements	Ceramic skeleton heater	Ceramic heater
Standard Nozzles/Tips	(10mm, 8mm, 5mm, 3mm, 13mm) 5 PCS nozzles	B
Tip Ground Impedance	---	<2Ω
Tip of Ground Voltage	---	<2mV

Limited Warranty Statement:

This product has a limited warranty of 1 year from the date of the original purchase receipt. Excluded from this warranty are any consumables such as soldering tips and heating elements. Should the main body fail during the warranty period, Circuit Specialists will, at it's option repair or replace the damaged unit. This warranty applies only to manufacturing defects. Damage caused by misuse, physical trauma etc is excluded. To receive warranty service, the unit must be returned to the point of purchase. The end user will be responsible for the shipping costs (if any) while Circuit Specialists will be responsible for the return shipping costs. Please check with your respective retailer for appropriate Return Authorization Procedures.