

# DURATOOL



**240V Hot Air Rework Station  
Model: D01841 and D03329**

**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.
- Do not operate the appliance with a damaged plug or cord, after a malfunction or after being dropped or damaged in any way.
- If the supply cord is damaged, it must be replaced by a qualified engineer in order to avoid injury or a hazard.
- There are no user-serviceable parts in this product. Refer servicing to qualified personnel.
- The nozzle and accessories of this tool become extremely hot during use. Let these parts cool down before touching or changing accessories.
- Do not expose to rain or moisture.
- Do not leave the appliance unattended when it is switched on.
- Do not direct the hot airflow towards yourself or others.
- Do not use in the presence of an explosive atmosphere.
- A fire may result if the appliance is not used with care, therefore be careful when using the appliance in places where there are combustible materials. Be aware that heat may be conducted to combustible materials that are out of sight.
- This appliance is not intended for use by persons (including children) who are not mentally able, physically capable, experienced or do not understand the product. They should be given supervision and instruction in the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not apply heat to the same place for a long time.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and/or fumes.
- Never place the product or part of it in water, or operate if your hands are wet.
- Always observe the safety instructions and applicable regulations.
- Always place the tool on its stand when not in use.
- Disconnect from the mains supply when not in use.

## **WHAT'S INCLUDED**

- Hot air rework station with holder and tool
- Pick up wire and holder tool (D03329 only)
- 4 off various size nozzles
- Mains lead
- Instruction manual.

## **OPERATION**

- Remove the four transit screws on the base of the unit.
- Connect the mains lead to the socket on the rear of the station.

### **De-Soldering IC's**

- Attach the most suitably sized nozzle for the size of the IC to the tool.
- Select the FP pick up wire to suit the type of IC you are about to work on.

- Connect the mains plug to a socket and switch the power on. The air pump will operate but the heating element remains off (D03329 model only).
- Turn on the power switch and the heating element will start to warm up to the set temperature. The LED will illuminate while the element is heating (D03329).
- On D01841 when power is turned on the display will indicate the current status.
- Switch on the fan (D01841) and on either model adjust the air flow as required.
- Adjust the temperature to the required setting and wait a few seconds for the actual temperature to be reached.
- Use only one hand to hold the hot air tool and one to hold the pick-up tool.
- Place the pick-up wire under the IC pins.
- Put the nozzle over the IC, do not touch the IC or its pins with the nozzle.
- When the hot air melts the solder tin on the IC pins, lift the pick-up wire to remove the IC.

### QFP Soldering

- Apply solder paste and install the SMD on the PCB.
- Pre heat the SMD before heating fully and applying solder.
- Wash any flux off after completion.

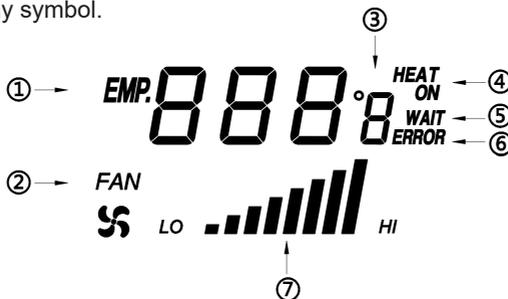
## TEMPERATURE ADJUSTMENT

### D03329 model.

- Use the rotary control to set the required temperature.
- Positions 1-4 is up to 350°C
- Positions 5-8 is from over 350°C to 450°C.
- Use the left rotary control to set the air volume as required. For smaller nozzles use 1-5 and for higher temperatures over 450°C and larger nozzles use 4-7.

### D01841 model.

1. Shows the actual temperature of air. Short press the “UP” / “DOWN” button to adjust the temperature by  $\pm 1^\circ$ . Long-press the button to adjust more rapidly.
2. Air flow display symbol.



3. Press the °C to °F button to change the units between Celsius and Fahrenheit.
4. While the iron is heating up to the required temperature “HEAT ON” displays on the LCD.
5. If the difference between the required temperature and that of the iron tip is greater than 10° “WAIT” displays on the LCD.
6. When “ERROR” displays, there may be a problem with the system or the hot air gun is not securely connected.
7. The airflow display bar shows the air volume, with air volume increasing from left to right. LO represents low airflow, and HI represents high airflow.

- Use the rotary control to set the air volume as required. For smaller nozzles use 1-5 and for higher temperatures over 450°C and larger nozzles use 4-8.
- When you have finished using the device set the temperature to 160°C/320°F then turn off the air control.
- The air pump will continue to operate during the cooling down period for about one minute.
- Finally switch off the main power when the air pump stops. When you have finished using the device set the temperature to 160°C/320°F then turn off the air control (D01841 model). The air pump will continue to operate during the cooling down period for about one minute. Finally switch off the main power when the air pump stops.

## ACCESSORY FITTING

- Removing or fitting nozzles should only be done when the hot air tool is switched off and at room temperature.
- Do not use pliers to remove hot nozzles.
- The nozzles are a firm slip on fit onto the output tube with additional locking screw.
- Do not over tighten the screw.
- Nozzles of different sizes are available, see our website or catalogue for details.

## CLEANING

- Cleaning should only be done when the heat gun is switched off and at room temperature.
- The hot air tool may be cleaned with a damp cloth and a small amount of liquid detergent if necessary.
- Do not use any chemicals, abrasives or solvents that could damage the casing.

## SPECIFICATION

<b>Voltage</b>	220-240V~50Hz
<b>Power</b>	320W
<b>Sensor type</b>	K Thermocouple
<b>Air pump</b>	Diaphragm type
<b>Air temperature</b>	160-480°C
<b>Air Flow</b>	24l/min (Max)
<b>Weight</b>	3.25kg



### 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 & Electronic 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.



Made in China  
 Faraday Drive, Preston, PR2 9PP (UK)  
 Riverside One, Sir John Rogerson Quay, Dublin 2, D02 X576 (EU)  
 Man Rev 3.0