

300W SMD Hot Air Handheld Rework Tool

Operating Instructions



This 300W SMD Hot Air SMD Handheld Rework tool provides a quick and easy way to rework boards fitted with surface mount parts, including RoHS certified products.

Micron® 300W Hot Air SMD Handheld Rework Tool

Features

- Low vibration air pump
- 22 litres per minute air flow
- Adjustable air flow and temperature
- Suits leaded & lead free solder (RoHS)
- Convenient handheld all in one design
- Rapid heat up
- LCD temperature display
- Includes 3 nozzles (8.5Ø, 6.5Ø, 5Ømm)

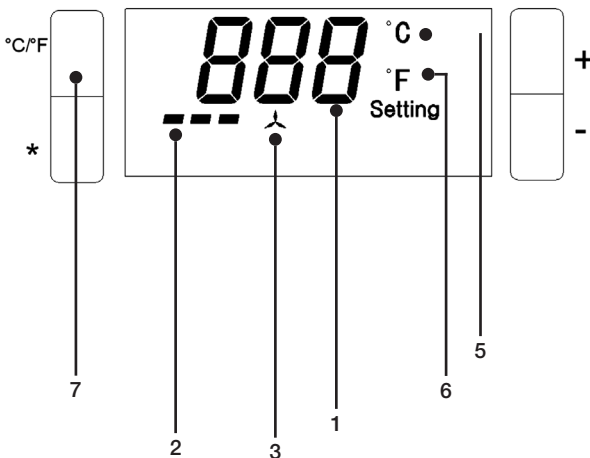
Specifications

- Power: 300W
- Voltage: 220-240V a.c. 50Hz
- Hot air temperature: 200-500°C
- Hot air capacity: 22L/Minute (Max)
- Display: LCD
- 3 Nozzles Supplied: (8.5Ø, 6.5Ø, 5Ømm)

Operating Instructions

1. Plug the rework tool into mains.
2. Assemble the nozzles into position. Note: Users can achieve better results when using a nozzle with a larger diameter.
3. Switch rework tool on and set the air flow rate and temperature. Next put the hot air gun on the bracket.
4. Place the nozzle on the IC pins, so that the hot air can melt the solder on the IC pins, then use the tweezers to remove the IC.
5. After use, switch rework tool off, unplug from mains and allow it to cool before storing in a safe place out of children's reach.

Display and Temperature Settings



1. Indicates the setting temperature. Press the button "+" or "-" to adjust the temperature.
2. Air flow speed indicator, each dash indicates one air flow setting. Press the * button and the fan symbol will appear. Press the + or - buttons to adjust air flow speed. After adjustment is complete the fan symbol will disappear.
3. Fan symbol.
4. Setting: this will appear when you set the temperature, once changes are made the symbol will disappear.
5. °C: This is the default temperature unit.
- 6: °F: Another temperature option.
7. °C/°F: This button allows users to change temperature unit between °C and °F.

QFP Soldering

1. **Apply the solder paste:** Apply the proper quantity of solder paste and install the SMD on the PWB.
2. **Preheat SMD:** Refer to the photo to preheat SMD. (Fig.1)
3. **Soldering:** Heat the lead frame evenly. (Fig.2)
4. **Washing:** When soldering is completed, please wash away the flux.

Note: When doing hot air re-work, solder bridges between pads, dry joints and poorly formed joints can occur. We recommend you closely examine boards once re-work is complete.

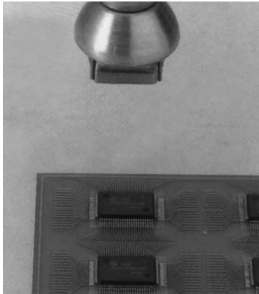


Figure 1

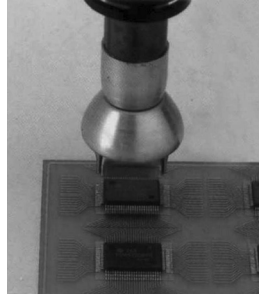


Figure 2

Precautions

1. **Attaching the nozzle:** Do not press on the nozzle or pull on the edge of the nozzle by pliers. Also, do not over tighten the screw.
2. **Thermal Protector:** Power will automatically switch off when the unit exceeds a certain temperature. Once the temperature has dropped to a safe level, power will automatically turn on.
3. **Caution-High Temperature operation:** Do not use the SMD unit near gases, paper, or other inflammable materials. The hot air is extremely hot and can cause painful burns. Never touch the heater pipe or allow the heated air to blow against your skin.
4. **Do not disassemble the product.**
5. **Unplug the unit when not in use.**

WARNING

- Warning: this tool must be placed on its stand when not in use.
- Return to professional for cord replacement or service.
- 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 material;
 - do not apply to the same place for a long time;
 - do not use in presence of an explosive atmosphere;
 - be aware heat may be conducted to combustible materials that out of sight;
 - place the appliance on its stand after use and allow it to cool down before storage;
 - do not leave the appliance unattended when it is switched on.

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Altronic Distributors warrants this product for one year from date of purchase from Altronics or its resellers to the consumer. If this item is part of an installation or another product, please contact the installer or supplier for your warranty.

During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse or incorrect installation (i.e. failure to install and operate device according to specifications in the supplied instruction manual), neglect, shipping accident, or no fault found, nor by use in a way or manner not intended by the supplier.

For repair or service please contact your **PLACE OF PURCHASE**.

If this item was purchased directly from Altronics please make a warranty claim by:

1. FOR MAIL ORDER CUSTOMERS (includes school and trade orders),

- a) Ringing us on 1300 797 007 and quoting your tax invoice number.
- b) Upon contacting Altronics, we will issue an R.A. (Return Authorisation). As Altronics have a number of service agents throughout Australia, a copy of the R.A. will be emailed, faxed or mailed to you with full instructions of how and where to send the goods. The freight for shipping goods back to Altronics for all repairs is at the customer's expense.
- c) A copy of the R.A. form must accompany the goods to effect the repair.
- d) Altronics will pay the return freight to the customer where the warranty claim has been accepted.
- e) Please quote the R.A. number in any correspondence to us.

2. FOR OVER THE COUNTER PURCHASES; to make a warranty claim, please return the goods to us in any of our stores, with a copy of your proof of purchase (tax invoice).

- a) Upon leaving the goods at one of our stores, an R.A. number will be issued to you.
- b) Once repaired, you will be contacted, advising that the goods are ready to be collected from the store.

It is at Altronics discretion as to whether the goods will be repaired or replaced (whilst under warranty); and as to whether identical goods will be used to replace the item due to changes of models / products.

Note: Under no circumstances should you attempt to repair the device yourself or via a non-authorized Altronics service centre, as this will invalidate the warranty!

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.