2-in-1 Combo SMD Hot Air Reworking & Soldering Station Model 712
in-built Password Lock Function and Digital Temperature Calibration provision

Wide range of Hot Air Nozzles are available to solder and desolder Fine-Pitch QFPs, PLCCs and SMD ICs up to 42.5x42.5mm size

Features
Hot Air SMD Reworking side
• High heat power and high air flow volume provides easy and fast desoldering of large QFPs & PLCCs
• Variety of Hot Air Nozzles available for different sizes of SMD ICs like QFPs, PLCCs, SOPs.
• Push Buttons for precise temperature adjustment
• Precise temperature control, not affected by airflow
• Has a powerful maintenance-free Brushless Motor
• Airflow is adjustable with Push Buttons
• In-built password protection and key-lock functions
• Auto-sleep feature allows system to go into stand-by mode to prolong the life of heater.
• Auto cooling also prolong the life of heater and protect the handle from heating

Fine-Pitch SMD & Leadfree Soldering side
• Push Buttons for precise temperature adjustment
• Precise temperature control
• Suitable for soldering leadfree & SMD components
• In-built password protection and key-lock functions
• Auto-sleep feature allows system to go into stand-by mode to prolong the life of heater and Soldering Tips
• In-built digital temperature calibration facility to meet ISO requirements
• Various error message indication enables the user to rectify the fault immediately.
• Lightweight and comfortable for fatigue-free working

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Consumption</td>
<td>1000W</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>100°C ~ 500°C</td>
</tr>
<tr>
<td>Sleep Temperature Range</td>
<td>50°C ~ 200°C</td>
</tr>
<tr>
<td>Sleeping Time Range</td>
<td>0 ~ 250min</td>
</tr>
<tr>
<td>Temperature Stability</td>
<td>±2°C</td>
</tr>
<tr>
<td>Tip to Ground Resistance</td>
<td>&lt;2Ω</td>
</tr>
</tbody>
</table>

Scope of Supply:
• Main Power & Control Unit
• Hot Air Pencil with Stand
• Soldering Pencil with Stand & Cleaning Sponge

While the information contained herein has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part, and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

Website: www.indeonline.in  •  Phones: 0172-4614415 & 4640415  •  Cell: 8283820745, 9316134502  •  Email: info@indeonline.in
OPTIONAL Hot Air Pencil Holder Stand with fine UP/DOWN movement combined with Printed Circuit Board (PCB) Fixture has provision to keep IR Pre-Heating Plate IRPH-4

The PCB Fixture retains and secures the PCB under repair and allows positioning of the board in X and Y directions. It permits PCBs up to a maximum size of 350mm x 280mm both single and double sided to be accommodated in a perfectly flat condition.

It also incorporates a pivoting stand to mount the Hot Air Pencil. This stand provides fine Up & Down movement of Hot Air Pencil for raising and lowering it onto the component under repair. The pre-heating plate IRPH-4 can be fitted under the PCB Fixture to provide gentle bottom heating.

Features
- Hot Air Pencil Stand integrated with adjustable PCB Fixture is also part of supply of this package
- Maximum PCB size: 350 x 280 mm
- PCB can be positioned in X & Y directions
- Pre-Heating Plate can be positioned under the PCB
- It has 4 adjustable foot to adjust the level of PCB holder.

Specifications
- Coarse height range : 0 ~ 230mm
- Fine height adjustment : 0 ~ 60mm
- Maximum width of PCB : 280mm

How to remove large SMD ICs?
- Choose an appropriate hot air nozzle and fix the PCB on PCB Fixture and position the SMD IC exactly under the Hot Air Pencil.
- Adjust airflow and temperature between 400°C ~ 500°C depending upon the size of SMD IC.
- Fix the SMD IC Pick-up Tool under the pins of the SMD IC.
- Switch-on the hot air and blow hot air from small distance to pre-heat the SMD IC to avoid any thermal shock to it.
- Lower the Hot Air Pencil on SMD IC and wait for solder to melt.
- Once the solder melts, the SMD IC Pick-up Tool will automatically lift the SMD IC
Hot Air Nozzles for QUICK712 Hot Air and Soldering Rework Station

**NK1120**
- 4.4mm dia
- Suitable for SOTs

**NK1130**
- 2.5mm dia
- Suitable for SMD Chips

**NK2127**
- 12.7mm dia
- Suitable for SOTs

**NK3131**
- Size: 4.4x10 mm
- Suitable for SOP 8

**NK3132**
- Size: 5.6x13 mm
- Suitable for SO20

**NK3140**
- Size: 11.5x11.5 mm
- Suitable for PLCC 28

**NK3135**
- Size: 17.5x17.5 mm
- Suitable for PLCC 44

**NK3137**
- Size: 25x25 mm
- Suitable for PLCC 68

**NK3138**
- Size: 14x20 mm
- Suitable for QFP 80/100

**NK3215**
- Size: 42.5x42.5 mm
- Suitable for CQFP304

**NK3130**
- Size: 4.4x10 mm
- Suitable for SOTs

**NK3265**
- Size: 32x32 mm
- Suitable for QFP208

**NK3139**
- Size: 17.5x17.5 mm
- Suitable for PLCC 44

**NK3203**
- Size: 35x35 mm
- Suitable for QFP240

**NK2127**
- 12.7mm dia
- Suitable for SOTs

**NK3215**
- Size: 42.5x42.5 mm
- Suitable for CQFP304

**NK3265**
- Size: 32x32 mm
- Suitable for QFP208

**NK3215**
- Size: 42.5x42.5 mm
- Suitable for CQFP304

Wide range of Soldering Tips are available for different soldering applications

<table>
<thead>
<tr>
<th>Description</th>
<th>Diagram</th>
<th>Width A (mm)</th>
<th>Thickness B (mm)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chisel Tip</td>
<td><img src="image1.png" alt="Diagram" /></td>
<td>1.6</td>
<td>0.5</td>
<td>200-1.6D</td>
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<tr>
<td></td>
<td></td>
<td>2.4</td>
<td>0.5</td>
<td>200-2.4D</td>
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<tr>
<td></td>
<td></td>
<td>3.2</td>
<td>0.5</td>
<td>200-3.2D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.2</td>
<td>0.5</td>
<td>200-4.2D</td>
</tr>
<tr>
<td>Round Tip</td>
<td><img src="image2.png" alt="Diagram" /></td>
<td>0.5</td>
<td>0.5</td>
<td>200-B</td>
</tr>
<tr>
<td>Sloped Tip</td>
<td><img src="image3.png" alt="Diagram" /></td>
<td>Ø3</td>
<td>-</td>
<td>200-3C</td>
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<tr>
<td></td>
<td></td>
<td>Ø4</td>
<td>-</td>
<td>200-4C</td>
</tr>
</tbody>
</table>

*shown trademarks are property of their respective owners.*

*Warranty is 12 months from the date of invoice. It excludes all consumable parts as Heating Elements, Temperature Sensors, Soldering/Desoldering/Hot Air Tips, Cleaning Sponges, Cleaning Brass Wool and mechanically damaged parts.*

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