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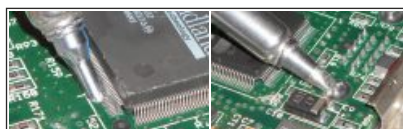
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in-built Password Lock Function and Digital Temperature Calibration provision

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

Large PLCCs like PLCC 84	**Large QFPs as 208 & 304 Pins**
LCC leadless Chip Carrier	**Ceramic Quad Flat Packs**
Flat Packs	**Thin SOP ICs**

Fine pitch SMD and Thru-hole Soldering

LEAD FREE
RoHS Compliant

SMD IC Pick-up Tool to pick-up SMDs once the solder on all the SMD IC leads is molten

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

Power Consumption	: 1000W
Temperature Range	: 100°C ~ 500°C
Air Volume	: 1 ~ 120 Litre/min
Temperature Stability	: ±2°C

Specifications

Power Consumption	: 90W
Temperature Range	: 50°C ~ 500°C
Sleep Temperature Range	: 50°C ~ 200°C
Sleeping Time Range	: 0 ~ 250min
Temperature Stability	: ±2°C(stationary air, no load)
Tip to Ground Resistance	: <2Ω

Scope of Supply:

- Main Power & Control Unit • Hot Air Pencil with Stand • Soldering Pencil with Stand & Cleaning Sponge

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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 upto 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.
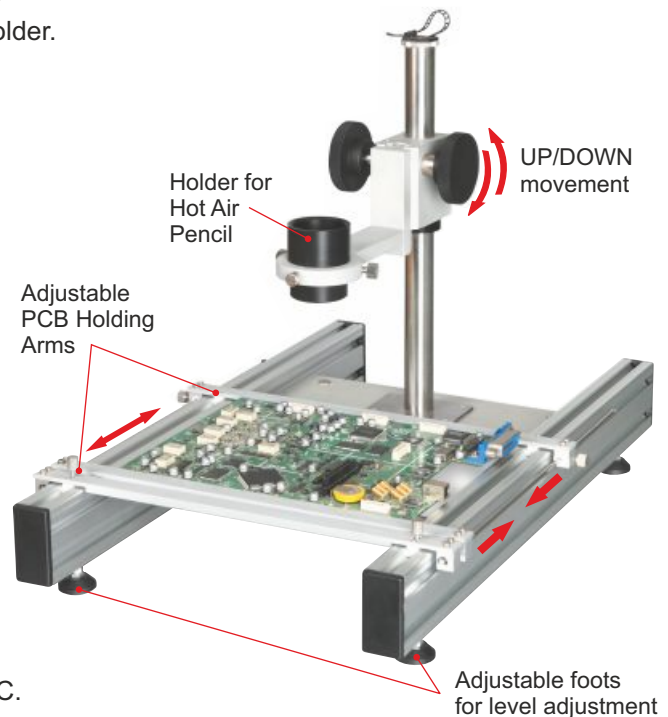
Features

- 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

Holder for Hot Air Pencil

UP/DOWN movement

Adjustable PCB Holding Arms

Adjustable foots for level adjustment

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.

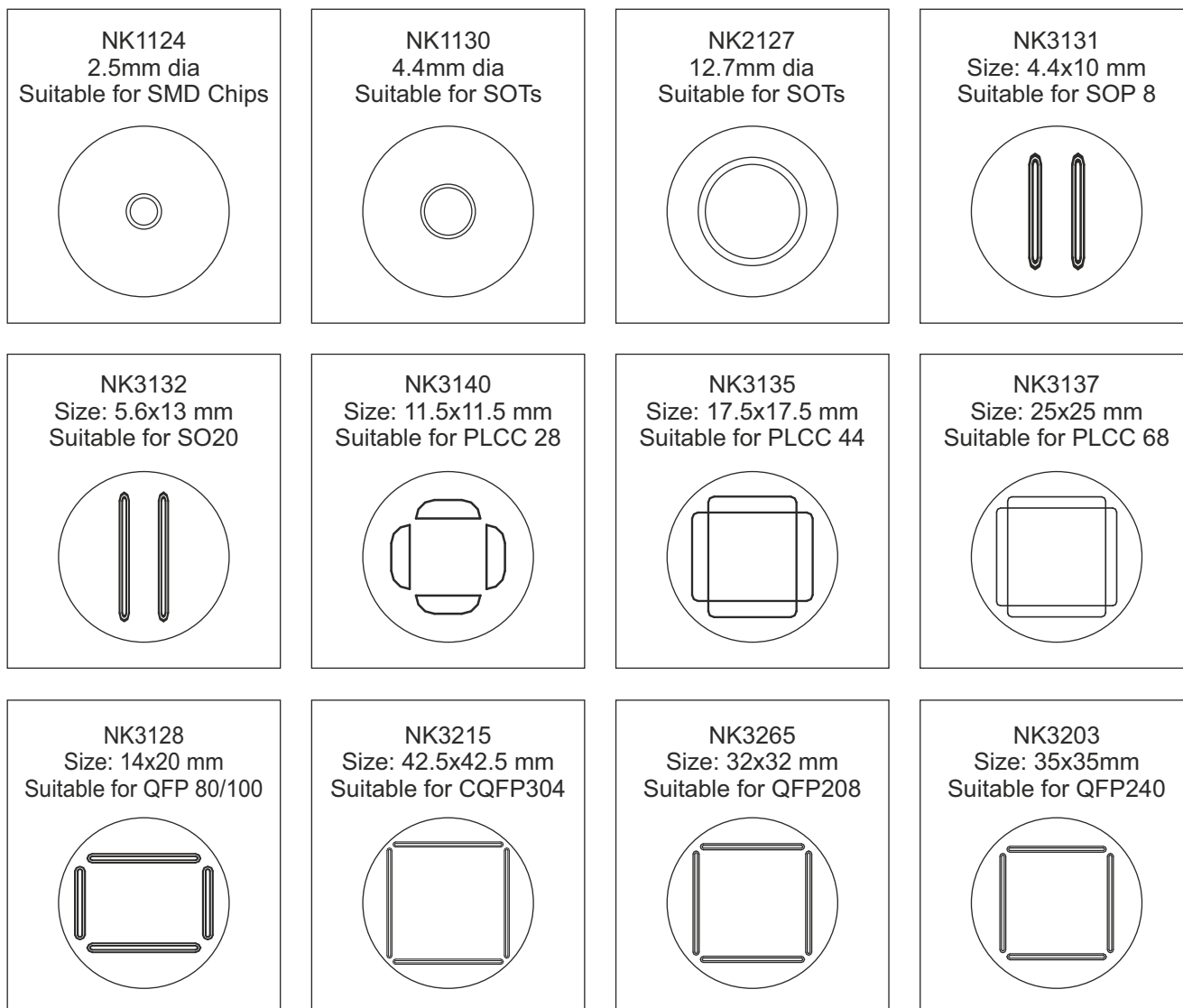☐ Once the solder melts, the SMD IC Pick-up Tool will automatically lift the SMD IC

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Hot Air Nozzles for QUICK712 Hot Air and Soldering Rework Station

NK1124 2.5mm dia Suitable for SMD Chips	**NK1130** 4.4mm dia Suitable for SOTs	**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
NK3128 Size: 14x20 mm Suitable for QFP 80/100	**NK3215** Size: 42.5x42.5 mm Suitable for CQFP304	**NK3265** Size: 32x32 mm Suitable for QFP208	**NK3203** Size: 35x35mm Suitable for QFP240

Wide range of Soldering Tips are available for different soldering applications

Description	Diagram	Width A (mm)	Thickness B (mm)	Part Number
Chisel Tip		1.6	0.5	200-1.6D
		2.4	0.5	200-2.4D
		3.2	0.5	200-3.2D
		4.2	0.5	200-4.2D
Round Tip		0.5	0.5	200-B
Sloped Tip		Ø3	-	200-3C
		Ø4	-	200-4C

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