



JBC

The Soldering Co.

Hot Air Stations

Highest-quality contactless desoldering

Matronic

Hot Air Stations

JBC Hot Air Stations have the capability of controlling precise temperature and airflow.

JNA High-Precision Hot Air Station

It is perfect for reworking SMDs on areas with minimal separation without affecting nearby components. JBC Exclusive System enables the regulation of temperature and air flow at very low levels, in order to avoid the movement of adjoining components.

Auto-Start and Auto-Stop Function

The tool is turned on when lifted from the stand and the Auto-Stop Function guarantees that the heat is automatically cut off when the tool is in the stand. Thus **increasing safety and efficiency.**

Changing cartridge

Save time and increase productivity by using NAS Stand, which facilitates fast and safe exchange of the cartridge.



The perfect combination of the **NH Handle** and **Hot Air Cartridges** allows you to direct the heat onto the selected component. Thanks to its design and ergonomics, it enables you to work comfortably under a magnifying glass.



J125 and **J325** Cartridges are perfect to rework the smallest SMDs from 01005 to SOIC-8.

J325410 J325010 J125410 J125010

Specifications

Control unit dimensions	180 x 170 x 110 mm / 7.1 x 6.7 x 4.3 in	Temperature selection	Room Temp. / 150 - 450 °C / 300 - 840 °F
Control unit weight	1.35 Kg / 2.96 lb	Nominal power	70W
Ref. - Voltage (AC) / Fuse	JNA-9B - 100V 50/60Hz / Main fuse: T2A JNA-1B - 120V 50/60Hz / Main fuse: T2A JNA-2B - 230V 50/60Hz / Main fuse: T2A	Ambient operating temp.	10 - 50 °C / 50 - 122 °F
Airflow regulation	0.15 - 2.5 SLPM	Vacuum	53% / 397 mmHg / 15.6 inHg
		Rated current	0.85A

Control Temperature & Airflow

Profile Mode allows you to create and edit a profile to control three different parameters point by point: temperature, time to reach it and airflow percentage. It can store up to 25 different profiles.

TESE Precision Hot Air Station / JTSE Power Hot Air Station

TESE for rework of small and medium SMDs and JTSE for medium and large SMDs.

Thermocouple Connection

Connect an external Type K Thermocouple (TC) to set modes:

- **Regulation Mode** provides a high-precise close-loop to automatically maintain the external Thermocouple (TC) temperature.
- **Protection Mode** is used to protect any heat sensitive areas or components. The station cuts the air supply off when the TC temperature is reached.



ESHT Extractor Stand

JTT Heater Hose Set

TET Precision Heater Hose Set

Auto-Start and Auto-Stop Function

Specifications

Control unit dimensions	148 x 184 x 140 mm / 5.83 x 7.24 x 5.51 in	Temperature selection	Room Temp. / 150 - 450 °C / 300 - 840 °F
Control unit weight	1.9 Kg / 10.86 lb	Nominal power	300W (TESE) 700W (JTSE)
Ref. - Voltage (AC) / Fuse	TESE-1B / JTSE-1B - 100-120V 50/60Hz. Input fuse: 8A TESE-2B / JTSE-2B - 230V 50/60Hz. Input fuse: 4A	Ambient operating temp.	10 - 50 °C / 50 - 122 °F
Airflow regulation	2-17 SLPM (TESE) 5-50 SLPM (JTSE)	Vacuum	30% / 228 mmHg / 9 inHg
		Rated current	3A (230 V) / 7A (100-120 V)

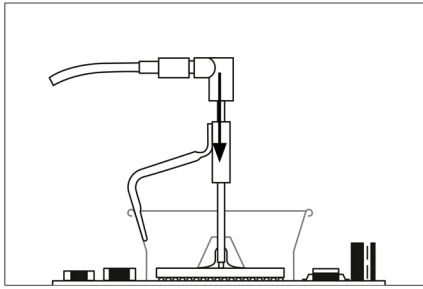
Hot Air Accessories

Quick and safe desoldering

JBC Hot Air Stations use extractors to protect adjacent components.

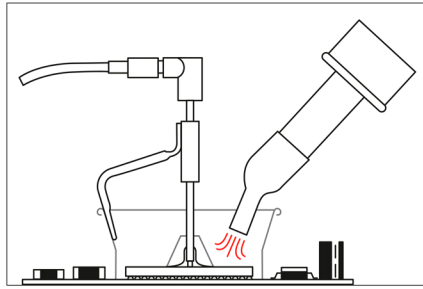
1 Positioning

JBC features a wide range of extractors, tripods and protectors so you can choose the most suitable one for the component.



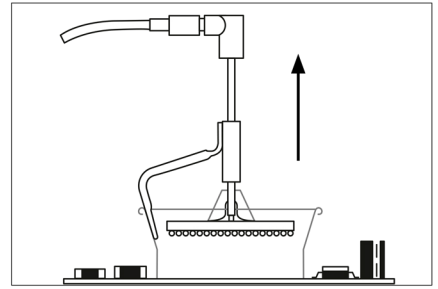
2 Heating

The adjacent components are protected by concentrating heat only on the component you are working on.



3 Releasing

The component lifts off automatically.



Choose the model to suit your desoldering needs

Protectors



Ref.	A x B mm/in	Ref.	A x B mm/in	Ref.	A x B mm/in
P3353	4.3 x 3 / 0.17 x 0.12	P2220	10 x 10 / 0.39 x 0.39	P4010	17 x 17 / 0.67
P3786	5.2 x 5.2 / 0.20 x 0.20	P4045	10.5 x 21 / 0.41 x 0.83	P4005	18 x 29 / 0.71 x 1.14
P3352	5.2 x 7.5 / 0.20 x 0.29	P4090	11 x 16 / 0.43 x 0.63	P4030	18.5 x 18.5 / 0.73 x 0.73
P3355	5.2 x 9.5 / 0.20 x 0.37	P2235	12 x 17 / 0.47 x 0.67	P1068	18.5 x 24 / 0.73 x 0.94
P3356	6.2 x 4.2 / 0.24 x 0.16	P1249	12 x 23 / 0.47 x 0.90	P2685	28.5 x 28.5 / 1.12 x 1.12
P3785	7.2 x 7.2 / 0.28 x 0.28	P4000	12.5 x 12.5 / 0.49 x 0.49	P4085	31.5 x 31.5 / 1.24 x 1.24
P3784	8.2 x 8.2 / 0.32 x 0.32	P1593	13 x 31.5 / 0.51 x 1.24	P2672	33 x 46 / 1.30 x 1.81
P4035	9 x 13 / 0.35 x 0.51	P3354	13.2 x 13.2 / 0.52 x 0.52	P4002	50 x 50 / 1.97 x 1.97
P4040	9.5 x 19 / 0.37 x 0.75	P4025	13.5 x 21.5 / 0.53 x 0.85	P3357	52.5 x 14 / 2.07 x 0.55
P4080	9.5 x 21 / 0.37 x 0.83	P2230	15 x 15 / 0.59 x 0.59		

Extractors



Ref.	mm/in
E2052	20 x 20 / 0.79 x 0.79
E2064	20 x 26 / 0.79 x 1.02
E2184	24 x 24 / 0.94 x 0.94
E2068	27 x 27 / 1.06 x 1.06
E4020	28.5 x 28.5 / 1.22 x 1.22
E4015	31.5 x 31.5 / 1.24 x 1.24
E2084	33 x 33 / 1.3 x 1.3
E2100	38 x 38 / 1.5 x 1.5
E2124	45 x 45 / 1.77
E2190	Ø 7 / 0.27 (manual)

Tripods



Ref.	mm/in
T2050	Ø 39 / 1.53
T2250	Ø 85 / 3.35

TN Nozzles

Bent



Ref.	mm/in
TN9787	Ø 3 / 0.12 (18°)
TN9785	Ø 4 / 0.16 (18°)
TN9782	Ø 5 / 0.20 (18°)
TN8851	Ø 3 / 0.12 (45°)
TN8905	Ø 4 / 0.16 (45°)
TN9561	Ø 5 / 0.20 (45°)

Straight



TN9209	Ø 3 / 0.12
TN9208	Ø 4 / 0.16
TN9080	Ø 5 / 0.20

JN Nozzles

Bent



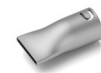
Ref.	mm/in
JN2015	Ø 4 / 0.16 (18°)
JN2012	Ø 6 / 0.24 (18°)
JN6633	Ø 8 / 0.31 (18°)

Straight



JN2020	Ø 8 / 0.31
JN8417	Ø 10 / 0.39

Flat



JN7637	10 x 2 / 0.39 x 0.08
JN7638	20 x 2 / 0.79 x 0.08
JN7639	30 x 2 / 1.18 x 0.08