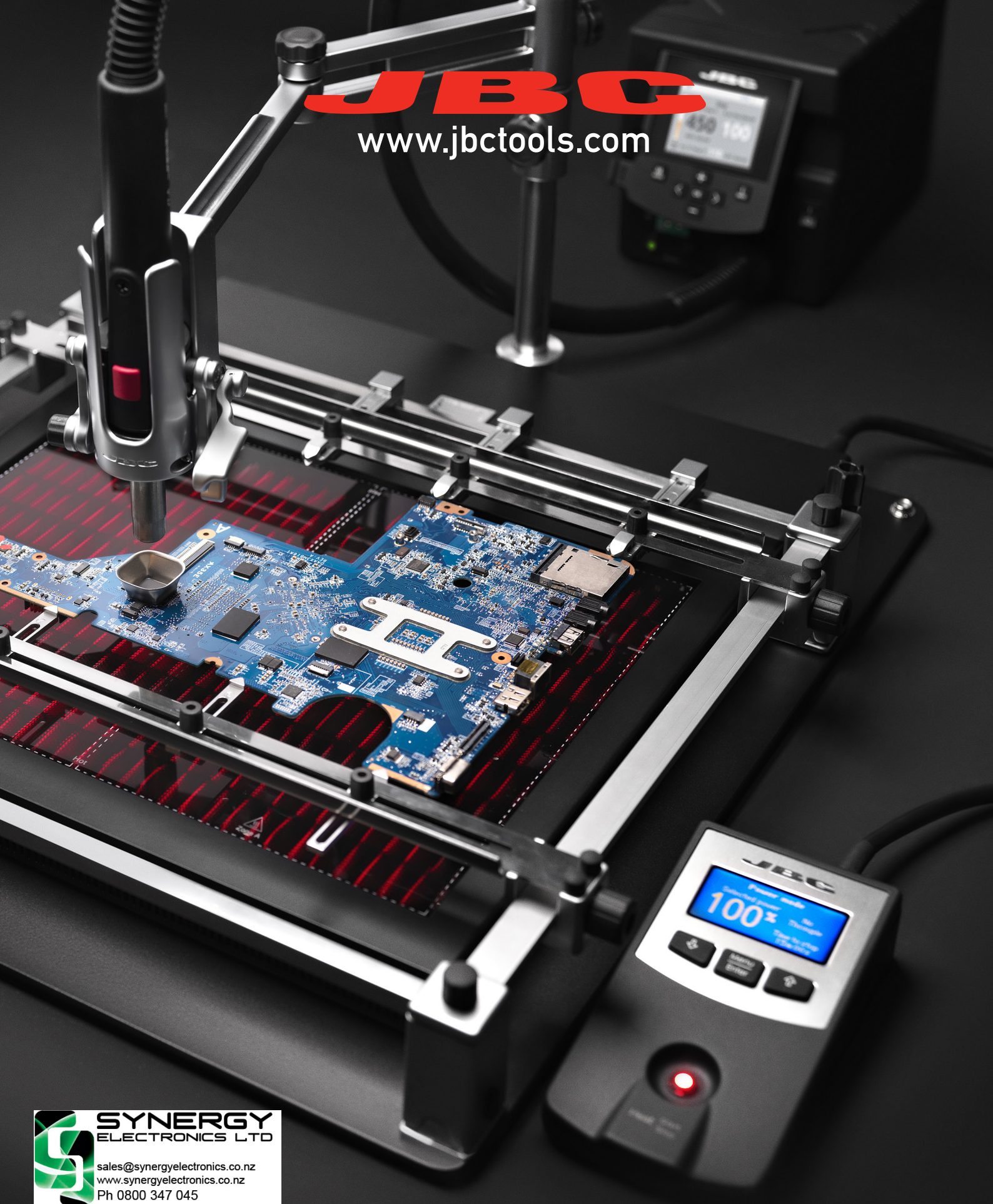


JBC

www.jbctools.com



**SYNERGY
ELECTRONICS LTD**

sales@synergielectronics.co.nz
www.synergielectronics.co.nz
Ph 0800 347 045

The fastest desoldering ever seen
Repair under control

Hot Air Stations

Offer complete control of the rework process by using temperature and air flow profiles. Obtain the maximum quality when soldering.

Precision Hot Air Station

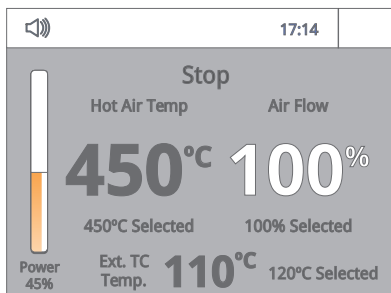
To repair small and medium SMDs quickly and safely.

Hot Air Station

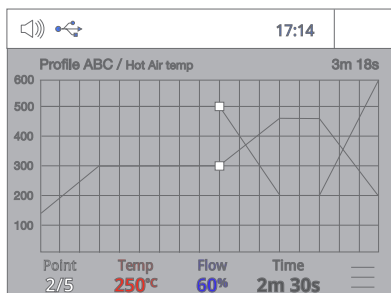
High-powered stations for repairing all kinds of SMD components.

Control the temperature and the air flow by using profiles

- These new stations features along with the manual mode a powerful functionality of profiles to perform rework tasks with the maximum precision.



- The operator can set the temperature values and air flow rate manually depending on the task.



- You can control temperature values and air flow rate by creating up to 25 profiles.

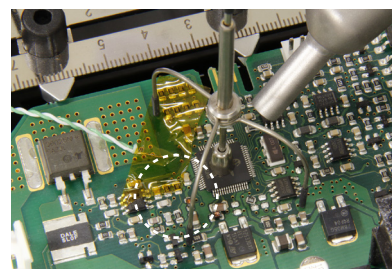
Extractor desk



Control thermocouple

Ref. **PH218**

- Read the temperature at a specific point on the PCB. It allows precise control of the temperature applied to the solder joint (regardless of the distance between the heater and the PCB or the component). It can also be used as a protection sensor.





Auto-stop function

Hot Air Stands

Ref. **JT-SD** & **TE-SD**

Safer and more efficient

The auto-stop function is a safety measure which guarantees the heat is automatically cut off when the tool is in the stand. This also means you save power and extend the life of the tip.

Pedal

When you select this function the tool will only heat up when the pedal is pressed.



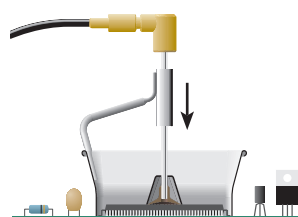
Desoldering in 3 simple steps

Extractor Desk

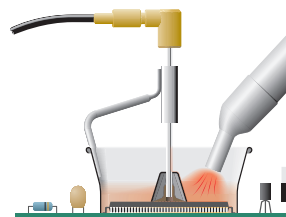
Ref. **0008752**

By using the wide range of extractors & protectors, you can desolder quickly and at the same time protect the surrounding components by concentrating the heat on the selected component.

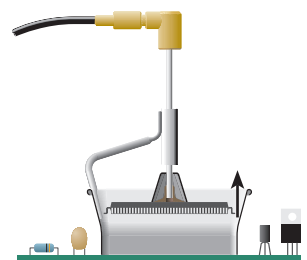
1. Placing
Choose the extractor, tripod or protector which best fits the component.



2. Heating
While you apply the heat to the component, the surrounding elements are protected.



3. Extracting
Automatic withdrawal of the desoldered component.



Communications

The Hot Air stations have different connectors so data is shared with other equipment. Widen your range of tasks!



Specifications

	JTSE	JTSE-Q	TESE	TESE-Q
Dimensions (control unit)	148 x 184 x 140 mm (5.83 x 7.24 x 5,51 in)		148 x 184 x 140 mm (5.83 x 7.24 x 5,51 in)	
Weight	5.7 Kg (12.6 lb)	5.7 Kg (12.6 lb)	5.4 Kg (11.9 lb)	5.4 Kg (11.9 lb)
Ref. - Voltage (AC) - Fuse	JTSE-1A 100V-120V, 50 / 60Hz - 8A. Rated current: 7A JTSE-2A 230V, 50 / 60Hz - 4A. Rated current: 3A		TESE-1A 100V-120V, 50 / 60Hz - 8A. Rated current: 7A TESE-2A 230V, 50 / 60Hz - 4A. Rated current: 3A	
Nominal Power	700W		300W	
Temperature selection	Room Temp. / 150 - 450 °C (300 - 840 °F)		Room Temp. / 150 - 450 °C (300 - 840 °F)	
Cool mode	T off. Used to blow air to room temperature		T off. Used to blow air to room temperature	
Ambient operating temp.	10 - 40 °C (50- 104°C)		10 - 40 °C (50- 104°C)	
Air flow regulator	5 - 50 SLPM		3 - 17 SLPM	
Vacuum	30% / 228 mmHg (9 inHg)		30% / 228 mmHg (9 inHg)	
Temperature measurement	Thermocouple type K		Thermocouple type K	
Extractor desk (Ref. 0008752)	✓	-	✓	-

Accessories

Choose the model to suit your needs

Heater set

Ref. **TE-TB**



Ref. **JT-TA**



Nozzles TE

	Ref.	Größe (mm)	Größe (in)
Bent 	TN9787	Ø 3	Ø 0.12
	TN9785	Ø 4	Ø 0.16
	TN9782	Ø 5	Ø 0.2
Bent 45° 	TN8851	Ø 3	Ø 0.12
	TN8905	Ø 4	Ø 0.16
	TN9561	Ø 5	Ø 0.2
Straight 	TN9209*	Ø 3	Ø 0.12
	TN9208*	Ø 4	Ø 0.16
	TN9080*	Ø 5	Ø 0.20

Nozzles JT

	Ref.	Größe (mm)	Größe (in)
Bent 	JN2015 *	Ø 4	Ø 0.16
	JN2012 *	Ø 6	Ø 0.24
	JN6633	Ø 8	Ø 0.31
Straight 	JN2020 *	Ø 8	Ø 0.31
	JN8417	Ø 10	Ø 0.4
Flat 	JN7637	10 x 2	0.4 x 0.08
	JN7638	20 x 2	0.8 x 0.08
	JN7639	30 x 2	1.18 x 0.08

*Supplied with JTSE / TESE

Protectors

	Ref.	Größe AxB (mm)	Größe AxB (in)
 	P3353	4,3 x 3	0.16 x 0.12
	P3786	5,2 x 5,2	0.20 x 0.20
	P3352	5,2 x 7,5	0.20 x 0.29
	P3355	5,2 x 9,5	0.20 x 0.37
	P3356	6,2 x 4,2	0.24 x 0.16
	P3785	7,2 x 7,2	0.28 x 0.28
	P3784	8,2 x 8,2	0.32 x 0.32
	P4035	9 x 13	0.35 x 0.51
	P4040	9,5 x 19	0.7 x 0.74
	P4080	9,5 x 21	0.7 x 0.83

Ref.	Größe AxB (mm)	Größe AxB (in)
P2220 *	10 x 10	0.39 x 0.39
P4045	10,5 x 21	0.14 x 0.82
P4090	11 x 16	0.43 x 0.63
P2235 *	12 x 17	0.47 x 0.67
P1249	12 x 23	0.47 x 0.9
P4000 *	12,5 x 12,5	0.49 x 0.49
P1593	13 x 31,5	0.51 x 1.24
P3354	13,2 x 13,2	0.52 x 0.52
P4025	13,5 x 21,5	0.53 x 0.85
P2230 *	15 x 15	0.59 x 0.59

Ref.	Größe AxB (mm)	Größe AxB (in)
P4010 *	17 x 17	0.67 x 0.67
P4005	18 x 29	0.71 x 1.14
P4030	18,5 x 18,5	0.73 x 0.73
P1068	18,5 x 24	0.73 x 0.94
P2685	28,5 x 28,5	1.12 x 1.12
P4085	31,5 x 31,5	1.24 x 1.24
P2672	33 x 46	1.30 x 1.18
P4002	50 x 50	1.97 x 1.97
P3357	52,5 x 14	2.06 x 0.55

*Supplied with JTSE / TESE

Extractors

	Ref.	Größe (mm)	Größe (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	1.12 x 1.12
	E4015	31,5 x 31,5	1.24 x 1.24
	E2084	33 x 33	1.30 x 1.30
	E2100	38 x 38	1.50 x 1.50
	E2124	45 x 45	1.77 x 1.77

*Supplied with JTSE / TESE

Tripods

Ref.	Größe (mm)	Größe (in)
T2050 *	Ø 39	Ø 1.53
T2250 *	Ø 85	Ø 3.35



Manual extractor

Ref.	Größe (mm)	Größe (in)
E2190	Ø 7	Ø 0.27



Extractor Desk
Ref. **0008752**



Protectors and extractors
not included

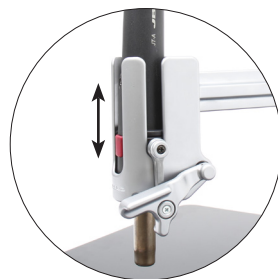
RW Rework Arm

The Rework Arm for Hot Air stations

- ▶ It supports the Hot Air heater and leaves the operator free
- ▶ It allows full access to the whole work area
- ▶ The arm's vertical movement adapts to all your needs

Vertical movement

Thanks to the multiple arm joints the height of the arm can be adjusted to suit all components whatever their size.



Articulated arm

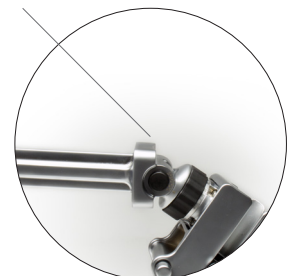
It facilitates access to the work area by holding the arm in place once the knobs have been tightened.



The Ball joint allows you to adjust the tool head holder position.



Ball joint



Once the arm has been positioned select the Hot Air stations profiles:

- temperature
- air flow
- time

Fix the tool in place when you need to repeat the operation for the same batch of PCBs.



Specifications

	RWB-B	RWS-B	RWT-B
Height	386,5 mm (15.22 in)	386,5 mm (15.22 in)	386,5 mm (15.22 in)
Base	480 x 550 mm (18.90 x 21.65 in)	270 x 400 mm (10.63 x 15.75 in)	
Arm lenght	444,5 mm (17.5 in)	444,5 mm (17.5 in)	444,5 mm (17.5 in)

Swivel clamp

This keeps the hose away from the work area to keep it free of obstacles.



It has clamps to fix both the JT-TA & TE-TB heaters

Preheaters for PCBs

Obtain maximum quality in soldering **without thermal stress**.
The complete answer to pre-heating PCBs. There are **two** independent heating **areas** with **uniform heat distribution**.

Infrared Preheater set

Ref. **PHSE-1KA** 120 V, **PHSE-2KA** 230 V, **PHSE-9KA** 100 V

This is the best way to preheating small PCBs.

Convection Preheater set

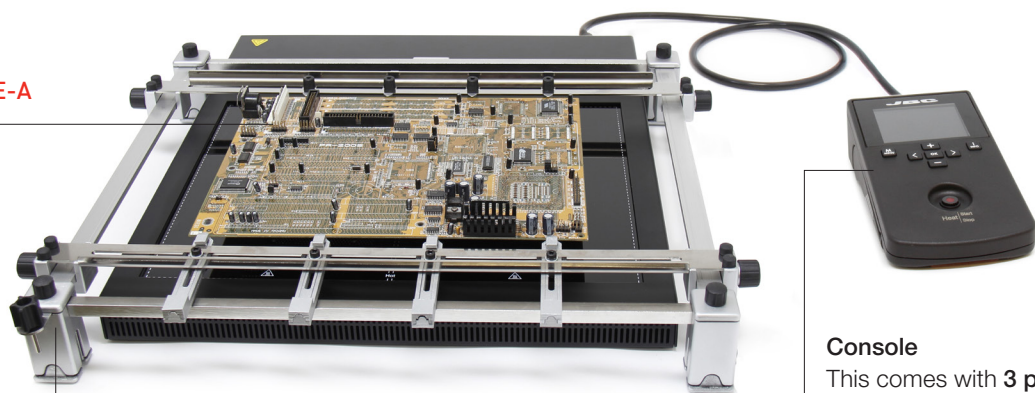
Ref. **PHBE-1KA** 120 V, **PHBE-2KA** 230 V, **PHBE-9KA** 100 V

Essential for soldering in multilayered circuits.

Preheater

Ref. **PHSE-A**, **PHBE-A**

Designed to give maximum heating uniformity which guarantees the best results.



Preheater support PHSE-SA , PHBE-SA

Ref. **PHSE-SA**, **PHBE-SA**

It has different slots in the base which enable a correct alignment of the heater.

Console

This comes with **3 pre-set temperature profiles** and 25 more which the operator can set depending on the task.

Comparison between Preheaters

Technical specifications

	PHSE-B	PHBE-A
Heating area	65 x 135 mm (2.56 x 5.31 in) - 1 zone 130 x 135 mm (5.12 x 5.31 in) - 2 zones	180 x 277 mm (7.09 x 10.9 in) - 1 zone 360 x 277 mm (14.17 x 10.9 in) - 2 zones
Voltage – maximum power	PHS-1B 120V, 50 / 60Hz - 500 VA PHS-2B 230V, 50 / 60Hz - 500 VA PHS-9B 100V, 50 / 60Hz - 500 VA	PHB-1A 120V, 50 / 60Hz - 1800 VA PHB-2A 230V, 50 / 60Hz - 2000 VA PHB-9A 100V, 50 / 60Hz - 1500 VA
Heating system	Infrared	Convection
Temperature range	50 - 250 °C (120 - 482 °F)	50 - 250 °C (120 - 482 °F)
Maximum work time	600 min. o indefinite	600 min. o indefinite
JBC set temperature profiles	3 profiles (2, 3 or 4 steps)	3 profiles (2, 3 or 4 steps)
Operator's temperature profiles	up to 25 (6 steps per profile)	up to 25 (6 steps per profile)
Temperature measurement	Thermocouple type K (x4)	Thermocouple type K (x4)
Dimensions	173 x 282 x 41 mm (6.81 x 11.1 x 1.61 in)	404 x 440 x 41 mm (15.9 x 17.32 x 1.61 in)
Weight	2,9 kg (6.4 lb)	7,2 kg (15,9 lb)

