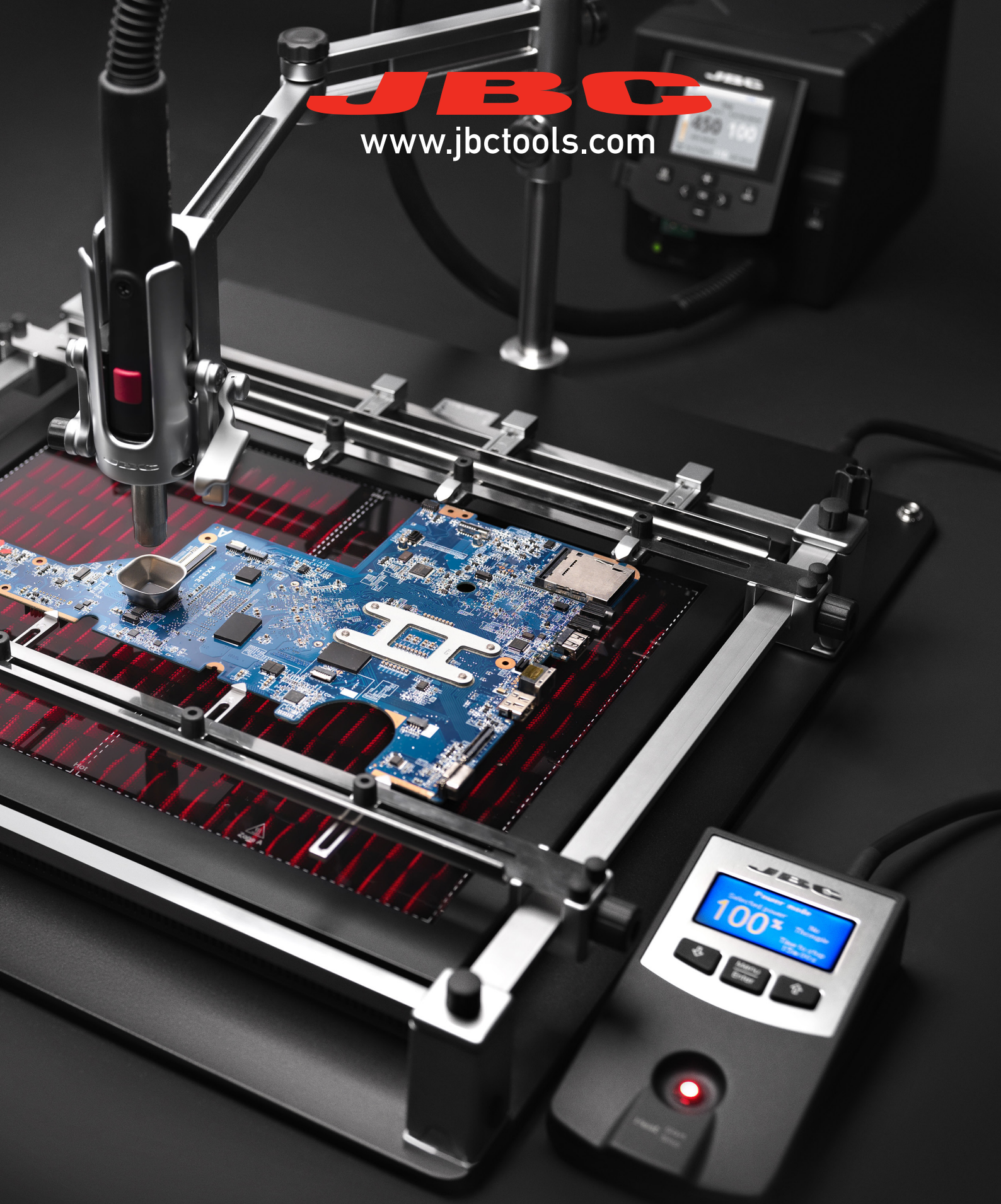


**JBC**

[www.jbctools.com](http://www.jbctools.com)



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

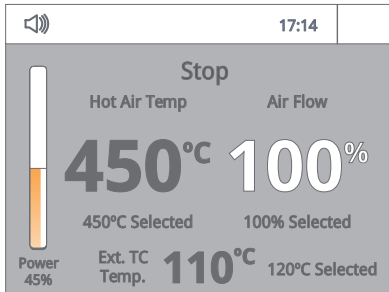
To repair small and medium SMDs quickly and safely.

## Hot Air Station

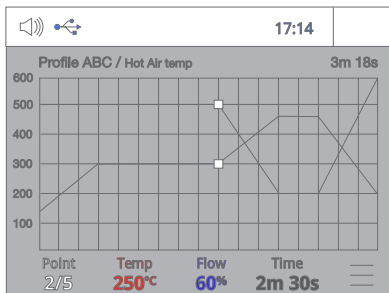
High-powered stations for repairing all kinds of SMD components.

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.

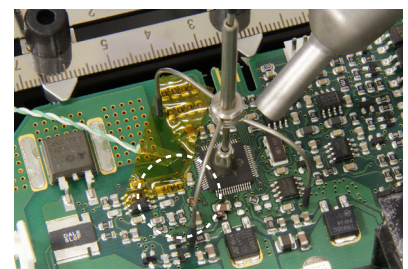
Extractor desk



## 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.

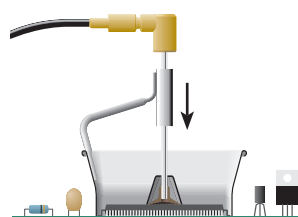


## Desoldering in 3 simple steps

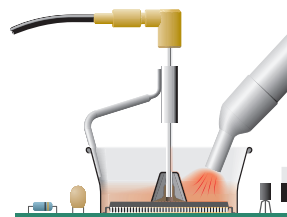
**Extractor Desk**  
Ref. **0008752**

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.

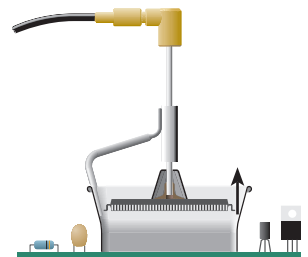
▶ **1. Placing**  
Choose the extractor, tripod or protector which best fits the component.



▶ **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!



Stand connection  
**JT-SD & TE-SD**

Auxiliary connection

Pedal **P005-A**

**USB-B Port**  
First JBC Hot Air stations that allow control from PC via USB. You can import and export profiles and easily apply them to other stations. You can also manage the stations using a Robotic system thanks to a Robot Communication Protocol.



**ROBOT connector**  
Connector RJ-12 for RS 232 connection using a protocol for robots. This option requires an external robotic connection where the robot manages the JBC control unit.

## 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	<b>JTSE-1A</b> 100V-120V, 50 / 60Hz - 8A. Rated current: 7A <b>JTSE-2A</b> 230V, 50 / 60Hz - 4A. Rated current: 3A		<b>TESE-1A</b> 100V-120V, 50 / 60Hz - 8A. Rated current: 7A <b>TESE-2A</b> 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 	<b>TN9787</b>	Ø 3	Ø 0.12
	<b>TN9785</b>	Ø 4	Ø 0.16
	<b>TN9782</b>	Ø 5	Ø 0.2
Bent 45° 	<b>TN8851</b>	Ø 3	Ø 0.12
	<b>TN8905</b>	Ø 4	Ø 0.16
	<b>TN9561</b>	Ø 5	Ø 0.2
Straight 	<b>TN9209*</b>	Ø 3	Ø 0.12
	<b>TN9208*</b>	Ø 4	Ø 0.16
	<b>TN9080*</b>	Ø 5	Ø 0.20

## Nozzles JT

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

\*Supplied with JTSE / TESE

\*Supplied with JTSE / TESE

## Protectors

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

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

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

\*Supplied with JTSE / TESE

## Extractors

	Ref.	Größe (mm)	Größe (in)
	<b>E2052 *</b>	20 x 20	0.79 x 0.79
	<b>E2064 *</b>	20 x 26	0.79 x 1.02
	<b>E2184 *</b>	24 x 24	0.94 x 0.94
	<b>E2068</b>	27 x 27	1.06 x 1.06
	<b>E4020</b>	28,5 x 28,5	1.12 x 1.12
	<b>E4015</b>	31,5 x 31,5	1.24 x 1.24
	<b>E2084</b>	33 x 33	1.30 x 1.30
	<b>E2100</b>	38 x 38	1.50 x 1.50
	<b>E2124</b>	45 x 45	1.77 x 1.77

\*Supplied with JTSE / TESE

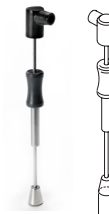
## Tripods

	Ref.	Größe (mm)	Größe (in)
<b>T2050 *</b>	Ø 39	Ø 1.53	
<b>T2250 *</b>	Ø 85	Ø 3.35	



## Manual extractor

	Ref.	Größe (mm)	Größe (in)
<b>E2190</b>	Ø 7	Ø 0.27	



## Extractor Desk Ref. **0008752**



Protectors and extractors  
not included

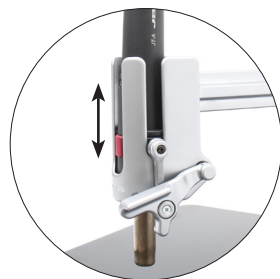
# RW Rework Arm

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

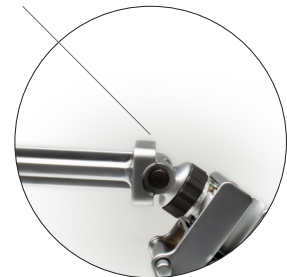
It facilitates access to the work area by holding the arm in place once the knobs have been tightened.



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.

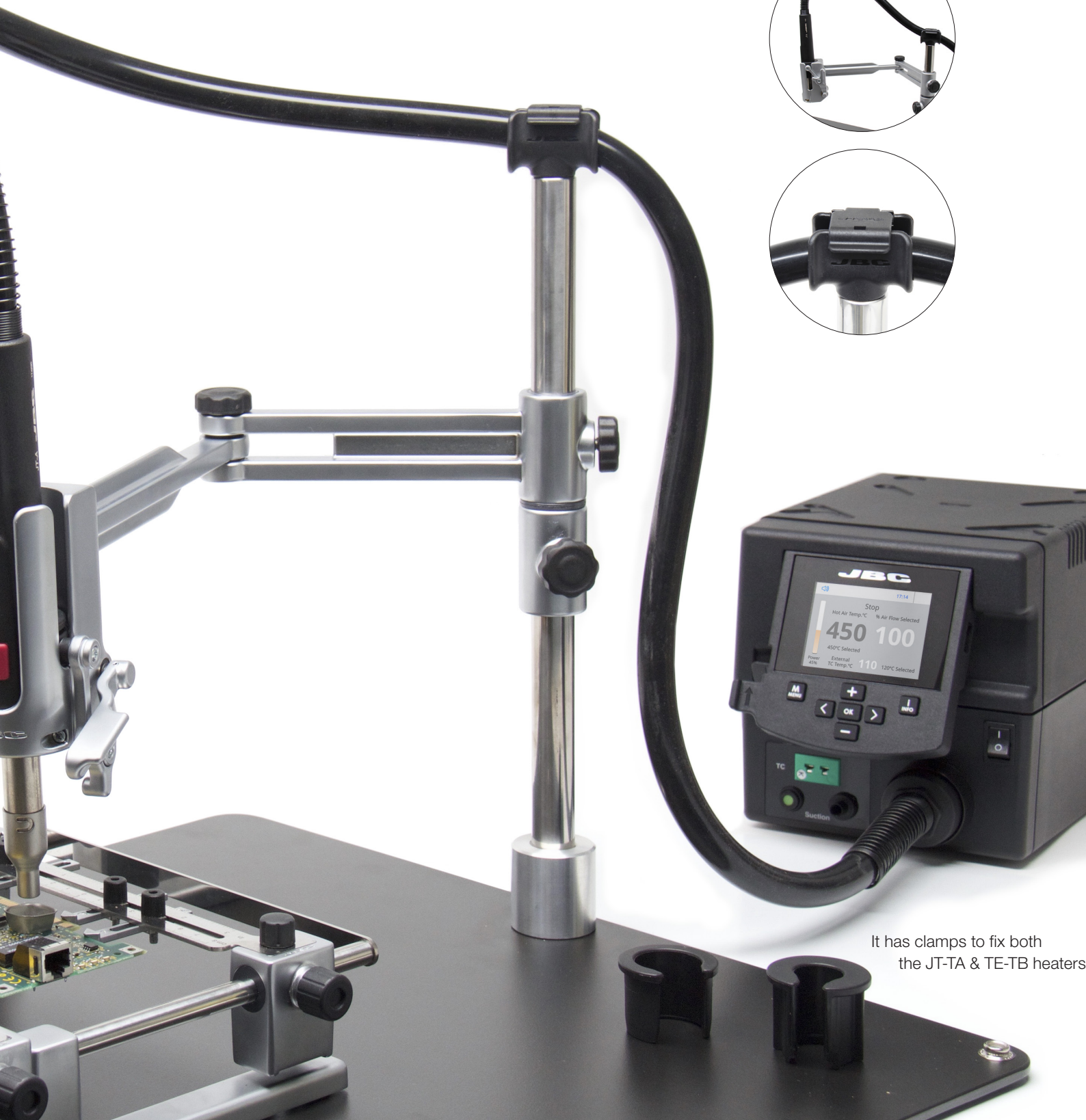


## Specifications

	<b>RWB-B</b>	<b>RWS-B</b>	<b>RWT-B</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

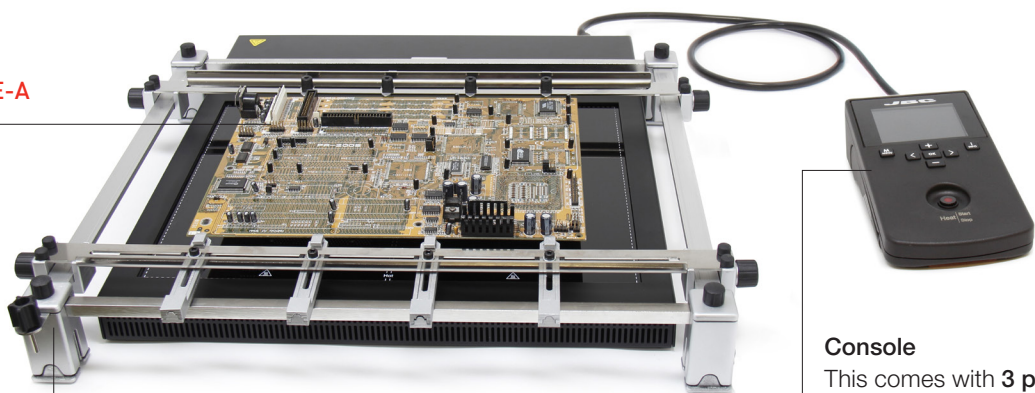
Ref. **PHBE-1KA** 120 V, **PHBE-2KA** 230 V, **PHBE-9KA** 100 V

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

	<b>PHSE-B</b>	<b>PHBE-A</b>
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	<b>PHS-1B</b> 120V, 50 / 60Hz - 500 VA <b>PHS-2B</b> 230V, 50 / 60Hz - 500 VA <b>PHS-9B</b> 100V, 50 / 60Hz - 500 VA	<b>PHB-1A</b> 120V, 50 / 60Hz - 1800 VA <b>PHB-2A</b> 230V, 50 / 60Hz - 2000 VA <b>PHB-9A</b> 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)

