



PCB Holder with Pivoting Tripod WBH 3000S

The PCB holder WBH 3000S holds and fixes the circuit board in x-y-direction. With the comprehensive accessory all board sizes up to max. 310 x 320 mm can be fixed fast and easy. Circuit board and component are completely plane to improve process security. The hot air pencil HAP 3 of the WHA 3000P or WHA 3000V hot air station can be fixed at the head of the WBH 3000S. The head has a swivel lever in order to lower or raise the head in z-direction. The head can be swiveled to the right or left of the working area. Once the head has been swiveled the unit switches into Stand-By modus (nozzle pre-heating active) with reduced temperature and air flow rate.

Preheating from below improves the universal PCB repair. We recommend to use the preheating plate WHP 3000 together with the PCB holder WBH 3000S for improved repair process. The WHP 3000 is easy to slide under the PCB holder from the front.

Order No. WBH 3000S: 005 33 163 99



Heating Plate WHP 3000

The WHP 3000 enables electronic assemblies to be pre-heated in numerous ways. The heating plates heats up the component from below equal to the correct working temperature needed to ensure reliable joints. This reduces the required heat from the hot air pencil and the risk of thermal damage. The whole repair process is more reliable and faster. The heating plate is equipped with 3 infrared high temperature lamps. They provide a fast and precise heating up. The digital regulation electronics ensure precise temperature behavior and support various special functions such as „AUTO OFF“ or „STAND_BY“ temperature. Read and set temperature are indicated digitally. Two different size heating zones are available. Using an optional

external sensor, the temperature can be regulated to defined measuring points. If an external sensor is connected the display shows the read temperature of the sensor. An integrated RS 232 interface enables the WHP 3000 to be controlled externally from the WHA 3000P or WHA 3000V hot air station. In this case the WHP 3000 heating plate is part of the 3-step temperature-time profile. We recommend to use the preheating plate together with the PCB holder WBH 3000S for secure positioning of the circuit board. The WHP 3000 is easy to slide under the PCB holder from the front.

Technical Data WHP 3000:

Dimensions (W x D x H):	254 x 395 x 70	Power:	small heating zone 200 W
Heated zone:	max. 120 x 190 mm		big heating zone 600 W
Mains voltage:	230 V	Temperature range:	50°C – 400°C
Protection class:	1		

Order No. WHP 3000: 005 33 386 99

For more information please contact:

Cooper Tools GmbH
 Carl-Benz-Str. 2
 74354 Besigheim, Germany
 Tel.: 07143/580-0
 Fax: 07143/580-108

Weller®

Product Information

WHA 3000 700 W Hot Air Set

The versatile system for ambitious repair jobs.

The set consists of:

- **WHA 3000P** 700 W Hot air station with built-in turbine or **WHA 3000V** 700 W hot air station for use with compressed air or inert gas
- **HAP 3** Hot air pencil
- **AKT 30** Support with Stop+Go function
- **WBH 3000S** PCB-holder with pivoting tripod
- **WHP 3000** heating plate with digital temperature read out

Order No. WHA 3000PS: 005 33 556 99

Order No. WHA 3000VS: 005 33 596 99



WHA 3000P Digital 700 W Hot Air Station with Built-in Turbine

The WHA 3000P hot air station is suitable for difficult repairs on circuit boards with fine pitch components with a large number of leads. A well thought-out device concept combines maximum process safety with ease of use and technically mature detail solutions like the automatic operating mode which facilitates the work and rises productivity and quality of your rework jobs. A comprehensive range of accessories adds to the possible uses of this repair station.

Technical Data WHA 3000P:

Dimensions (W x D x H): 240 x 270 x 170 mm
Mains voltage: 230 V
Max. heat power: 700 W
Temperature range: 50°C – 550°C
Accuracy: +/- 25°C
Air flow rate: 5 – 50 l/min
Vacuum: - 0,6 bar
Protection class 1 (power unit and hot air pencil hard grounded)

Order No. WHA 3000P: 005 33 346 99



LCD

Bright clear LCD for easy reading of the parameter settings.

Manual operating mode

For work with manual parameter setting, e.g. for different rework tasks.



Automatic operating mode

Program with 3-step temperature time profile. Free programmable parameter settings of hot air temperature, air flow and timer which can be used in connection with the optional heating plate WHP 3000. Efficient operation with highest process repeatability. Up to 10 parameter sets can be programmed.



WHA 3000V Digital 700 W Hot Air Station for Use with Compressed Air or Inert Gas

The WHA 3000V requires an external supply of compressed air or inert gas. Function and features are identical to the WHA 3000P. The air flow is controlled digitally by a proportional valve.

Technical Data WHA 3000V:

Dimensions (W x D x H): 240 x 270 x 170 mm
Mains voltage: 230 V
Max. heat power: 700 W
Temperature range: 50°C – 550°C
Accuracy: +/- 25°C
Air flow rate: 5 – 50 l/min
Vacuum: - 0,6 bar
Compressed air / inert gas: 4 – 6 bar
Protection class 1 (power unit and hot air pencil hard grounded)

Order No. WHA 3000V: 005 33 366 99



ESD safe

Housing and iron are ESD safe. Charge carrier free air flow.

Stop+Go

Support AKT 30 for tild safe holding of the hot air pencil. Once the HAP 3 has been placed in the support the unit switches into Stand-By modus (nozzle pre-heating active) with reduced temperature and air flow rate.

Connection

The following connections are on the back of the housing:

- RS 232 interface e.g. to connect the WHP 3000 heating plate
- Connection for manual control or foot switch (both optional)



Control

Easy to use buttons for precise parameter setting of temperature, air flow and timer. LEDs for indicating start/stop or vacuum function.

Built-in Turbine

The powerful and maintenance-free turbine provides an air flow of max. 50 l/min. The turbine is silent-running and continuously adjustable.

