

Weller®

WTA 50



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Thank you for placing your trust in our company by purchasing the WTA 50 is a pair of heated tweezers. Production was based on stringent quality requirements which guarantee the perfect operation of the device.



1. Important!

Please read these Operating Instructions and the attached safety information carefully prior to initial operation. Failure to observe the safety regulations results in a risk to life and limb.

The manufacturer shall not be liable for damage resulting from misuse of the machine or unauthorised alterations.

The WTA 50 is a pair of heated tweezers corresponds to the EC Declaration of Conformity in accordance with the basic safety requirements of Directives 2004/108/EC and 2006/95/EC.

2. Description

The WTA 50 is a pair of heated tweezers for desoldering SMD components. The desoldering tweezers can be connected to all Weller soldering and desoldering stations with an electronic control system. In each of the two movable heating elements there are temperature sensors which ensure precise temperature balance on both shanks. The heating elements each have a 25-watt heating output and are operated using protective low voltage. ESD-compatible design and a temperature-resistant connection cable supplement the quality standard.

Technical data

Connection voltage: 24 V protective low voltage
 Power consumption: 2 x 25 W
 Operating temperature: up to 450°C
 Heating-up time: approx. 65 secs.

Inserting and adjusting soldering tips

Insert the soldering tip suited to the soldering application and align. Fasten the tips using the attachment screws (2). The soldering tip position can be adjusted precisely by loosening the attachment screw (4). The complete heating element can be turned and shifted axially.

3. Commissioning

Place desoldering tweezers in the rest. Insert the connector plug into the connection socket provided for it and lock. Remove all flammable objects from the immediate area around the soldering tool. Switch on the control unit at the mains switch and set the desired temperature. After the soldering temperature has been reached, moisten the soldering tip, which can be moistened selectively, with solder.

4. Potential balance

The heating elements are connected to the control unit via a potential balance lead. The potential balance can be produced by following the operating instructions for the control unit.

5. Operating guidelines

Using the soldering tips, melt on both sides of the component to be connected and lift off the component. While doing so, do not exert excessive pressure on the structural element. Set the tip temperature as low as possible in order to protect the circuit board and the structural elements.

The operating instructions of the control unit being used are valid alongside these operating instructions.

6. Maintenance instructions

When replacing tips always use new set screws.

Moisten soldering tips regularly with solder containing flux.

7. Scope of supply

WTA 50 desoldering tweezers
 Rest with cleaning sponge
 Soldering tips
 Tool for attachment screws
 Operating Instructions
 Safety information

Accessories, see page 21

Exploded drawing, see page 22

Subject to technical alterations and amendments!

See the updated operating instructions at www.weller-tools.com.