

Powerful Infrared Rework Heating Plate



Gentle preheating of SMD assemblies and components by means of non-contact IR radiation or contact heat plate

The ERSA IRHP 200 is a compact and ergonomically designed heating plate to preheat all SMD components as well as assemblies and substrates during the hand soldering or rework process.

With the IRHP 200, ERSA has put a separate product on the market providing the tried and tested radiation heat which was formerly only available with the ERSA rework systems.

Preheating of components and assemblies prevents thermal shocks during soldering thus allowing for safe processes. Especially when it comes to lead-free soldering, the heating plate is of great assistance in the hand soldering and rework processes providing for an increased throughput at a constantly high quality level.

The digital control station allows for the heating plate temperature to be adjusted continuously from 50 °C to 600 °C (140 °F to 1,112 °F). In this way, the heating power can optimally be adapted to the soldering application's specific requirements. The IR emitters' even heat distribution ensures non-contact, gentle heating of the assembly.



Preheating for hand soldering with ERSA tools

Using an X/Y PCB table, for example, preheated assemblies can be worked on safely and easily with various soldering tools due to the design of the IRHP 200: it allows for SMD soldering with the Chip tool or desoldering of wired components with the X-Tool. Furthermore it is also possible to reflow solder one-sided boards with the IRHP 200.

The control station can be placed independently from the heating plate on the workbench in an ergonomically favourable way. Thus temperatures can easily be set and controlled via the clearly legible display. An optionally available cooling fan provides for quick and controlled cooling of a certain assembly after soldering.



ERSA Product Range

Soldering Tools

Soldering / Desoldering
• *i*-CON series

BGA/SMT Rework

IR Rework Center
• IR/PL 550 A
• IR/PL 650 A
Hybridtool HR 100 A

Inspection Systems

• ERASCOPE
• ImageDoc Software

Soldering Systems

Wave soldering

• ETS series
• EWS series
• N-Wave series
• POWERFLOW series

Reflow soldering

• HOTFLOW 2 series

Selective soldering

• VERSAFLOW series

Process Software

• EPOS
• CAD Assistant

Paste Printing

• VERSAPRINT series

Accessories

• Solder bar & wire
• Solder paste
• Flux

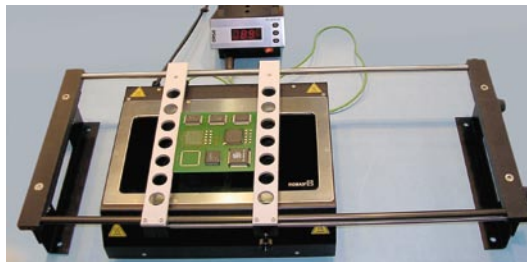
Other Services

• Know-how seminars
• In-House training
• Test soldering
• Installation and maintenance assistance
• Process support

Powerful Infrared Rework Heating Plate

Characteristics:

- Non-contact preheating of assemblies during lead-free hand soldering
- Preheating of SMD components and assemblies
- Reflow soldering of one-sided boards
- Hardening and drying of pastes, laquers, glues, etc.
- Continuously adjustable heating plate



Application example with the optionally available X/Y PCB table

Application range:

- Preheating of SMD components and assemblies
- Hardening and drying of pastes, laquers, glues, etc.
- Reflow soldering of one-sided boards
- Preheating of BGA components to prevent popcorning
- Uniform BGA reflow for re-balling applications

Technical data:

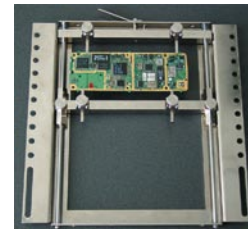
Heating plate:

Voltage:	230 V ~, 50 - 60 Hz; 115 V ~, 60 Hz
Nominal rating:	max. 800 W
Temperature range:	50 - 600 °C (140 °F to 1,112 °F), at the heating element
Heating elements	2 x 400 W, ceramics
Wave length:	2 - 8 µm
Working area:	260 x 135 mm (10.2 x 5.3 in) (LxW)
Dimensions:	300 x 250 x 90 mm (12 x 10 x 3.5 in) (LxWxH)
Weight:	approx. 4 kg (9 lb) (with control station)



RA 4500 D control station:

Voltage:	230 V ~, 50 - 60 Hz; 115 V ~, 60 Hz
Rating (ohmic load):	3,000 W (230 V); 1,500 W (115 V)
Tolerance range:	±2 %
Display:	4-digit LED display with menu control



OPH100 - additional PCB holder to handle small boards

Asien:

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Order numbers:

0IRHP200	IRHP 200 heating plate complete with RA 4500 D control station, 230 V
1IRHP20000A67	IRHP 200 heating plate complete with RA 4500 D control station, 115 V

Recommended options:

0IR5500-01	X/Y PCB table (for board handling)
0PH100	PCB holder (addition, to handle small boards)
0IR5500-13	Cooling fan
0DTM050	Temperature measurement device (to control temperatures at the component)
0IR4500-07	Captan tape (to fix temperature sensors)