

# Ersa i-CON VARIO 2 & i-CON VARIO 4 Multichannel soldering and desoldering station



Meets the highest standards in  
professional soldering and desoldering  
equipment

# Ersa i-CON VARIO 2 & i-CON VARIO 4

## Multichannel soldering and desoldering station



### i-CON VARIO 4

The i-CON VARIO 4 multichannel soldering and desoldering station meets even the most stringent demands placed on professional soldering and desoldering equipment. This flagship of the i-CON family offers the user four soldering tools for demanding soldering tasks, simultaneously: Flexible soldering and desoldering is provided for by the new, ergonomically designed soldering and desoldering hot air iron i-TOOL AIR S (200 W) with non-contact energy transfer, highly efficient soldering is offered with the i-TOOL, delivering a powerful 150 W, precise desoldering of the smallest SMD components is achieved with the new desoldering tweezers CHIP TOOL VARIO (80 W), and desoldering of leaded components is performed with the new X-TOOL VARIO (150 W). Naturally, attaching other Ersa soldering tools to the stations is possible.

All functions, including the generation of the air and the vacuum required in the process, are bundled in the supply unit, which is equipped with the easily to operate i-Op facility and its clearly arranged displays. In addition, the station makes available interfaces for the Ersa solder fume extractor unit or the infrared preheating unit, as well as featuring a USB port. With a microSD memory card, the station can be quickly and safely configured, so that it is optimally prepared for all applications in professional electronic manufacturing. The station is well suited for the use in ESD protected zones.

### i-CON VARIO 2

The i-CON VARIO 2 multichannel soldering and desoldering station offers to the professional user two simultaneously usable soldering tools. In parallel to the new, ergonomically designed hot

air soldering unit i-TOOL AIR S (200 W) is it possible to operate another soldering tool such as the 150 W i-Tool, the ideal tool for classical soldering applications, or the new developed desoldering tweezers CHIP TOOL VARIO (80 W). instead of the i-TOOL AIR S the high power soldering iron i-TOOL HP provides 250 W soldering performance an all VARIO stations. The soldering station without pumps (0ICV2000HP) addresses all users looking for i-TOOL HP and i-TOOL operation. The compact, ESD static safe supply unit offers the easy and clearly arranged display, which is in the i-CON family of tools a standard feature. As in the larger i-CON VARIO 4, interfaces for the Ersa solder fume extractor unit or the infrared preheating unit are available, also the method to quickly and safely configure the station with a microSD memory card.

# Meets the highest standards in professional soldering and desoldering equipment



further information  
on i-CON 4



further information  
on i-CON 2

## **i-TOOL-AIR S**

Handy in size, convincing in power! The i-TOOL AIR S provides 200 W convection energy and ease of operation on multiple SMT applications.

The hot air volume (2 to 20 l/min) is set directly on the hand piece and shown in the display of an i-CON VARIO 2 or 4 soldering station. To remove smallest chip components the operator can dose air volume precisely. Variable nozzles guarantee the best energy transmission to the solder joint. A built in motion sensor activates the i-TOOL AIR S, an IR-Sensor in the hand piece switches the tool on and off.

## **CHIP TOOL VARIO**

The desoldering tweezers CHIP TOOL VARIO is characterized by its compact design and 2 x 40 W soldering power. It is perfectly suited for soldering ap-

plications with smallest SMT components.

The plug-in pairs of soldering tips are precisely adjustable and easy to exchange.

A switching element changes the tools operation from self-closing to self-opening mode. It's built in motion sensor activates the CHIP TOOL VARIO from standby.

## **i-TOOL**

The i-TOOL is an extremely lightweight but powerful soldering iron, accompanied by a wide range of beneficial Erska long life soldering tips. 150 W heating power guarantee fastest heat up times and heat recovery. Process-window alarms, three energy levels and standby-sensor grant all i-CON-users an unrivalled process control in hand soldering.

## **X-TOOL VARIO**

The PTH desoldering tool X-TOOL VARIO convinces by its highly efficient 150 W heating technology. The integrated design of heating element and desoldering tip provides a highly efficient heat transmission into the solder joint. Effective solder removal is possible within shortest time. The slim line geometry of heating head and desoldering tip allow striking operation even on densely populated boards.

## **i-TOOL HP**

Highest performance for heavy mass soldering applications! The i-TOOL HP supplies 250 W heating power, exchangeable heating elements and independently exchangeable soldering tips. All VARIO control units can operate this powerful tool. For singular operation of the i-TOOL HP Erska recommends the Version i-CON VARIO 2HP (0ICV2000HP).

# Ersa i-CON VARIO 2 & i-CON VARIO 4

## Technical informations & configuration options

### Electronic stations

Order no.	Description	Rating/voltage	Vakuum	Air flow	Temperature range
<b>OICV403A</b>	<b>i-CON VARIO 4</b> electronic station	max. 500W/ 230V, 50Hz	max. 700 mbar	2 – 20l/min	150 – 450 °C (50 – 550 °C – i-TOOL AIR S)
<b>OICV203A</b>	<b>i-CON VARIO 2</b> electronic station	max. 200W/ 230V, 50Hz	—	2 – 20l/min	150 – 450 °C (50 – 550 °C – i-TOOL AIR S)
<b>OICV203AP</b>	<b>i-CON VARIO 2</b> electronic station	max. 200W/ 230V, 50Hz	max. 700 mbar	2 – 20l/min	150 – 450 °C (50 – 550 °C – i-TOOL AIR S)
<b>OICV203HP</b>	<b>i-CON VARIO 2</b> electronic station	max. 200W/ 230V, 50Hz	—	—	150 – 450 °C

### Soldering and desoldering tools

Order no.	Description	Rating/voltage	Weight (w/o cable)
<b>0470BRJ</b>	<b>i-TOOL AIR S</b> hot air iron	200 W	approx. 90 g
<b>0100CDJ</b>	<b>i-TOOL</b> soldering iron	150 W	approx. 30 g
<b>0460MDJ</b>	<b>CHIP TOOL VARIO</b> desoldering tweezers	2 x 40 W	approx. 75 g
<b>0720EDJ</b>	<b>X-TOOL</b> desoldering iron	2 x 60 W	approx. 240 g
<b>0740ED</b>	<b>X-TOOL VARIO</b> desoldering iron	150 W	approx. 210 g
<b>0240CDJ</b>	<b>i-TOOL HP</b> high power soldering iron	250 W	approx. 110 g

### Soldering and desoldering stations

Order no./contents	i-TOOL AIR S	i-TOOL	CHIP TOOL VARIO	X-TOOL	X-TOOL VARIO	i-TOOL HP
<b>OICV2000A</b>	●					
<b>OICV2000AI</b>	●	●				
<b>OICV2000AC</b>	●		●			
<b>OICV2000AX</b>	●			●		
<b>OICV2000AXV</b>	●				●	
<b>OICV2000HP</b>						●
<b>OICV4000A</b>	●					
<b>OICV4000AI</b>	●	●				
<b>OICV4000AIC</b>	●	●	●			
<b>OICV4000AICX</b>	●	●	●	●		
<b>OIC4000AICXV</b>	●	●	●		●	

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