

# 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 unit 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 well tested desoldering tweezers of the CHIP TOOL VARIO (80 W), and desoldering of leaded components is performed with the trusted X-TOOL (120 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) it is 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). Alternatively to these, other Ersa soldering tools may be connected.

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.

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## i-TOOL-AIR S

Ergonomically and easy to handle, strong in the performance! That is an apt description of the i-TOOL AIR S. The slim and light weight hand piece carries a heating cartridge with 200 W power, and permits fatigue-reduced work on a multitude of SMD components. The hot air volume to be delivered can simply be set at the hand piece; the air volume used can be read off at the display of either the i-CON VARIO 2 or the i-CON VARIO 4. The air volume is metered out precisely for attaching even the most delicate chip resistors. To allow to optimally heat up the components, a number of different nozzle geometries can be used. Whenever the unit is removed from its tray, a motion sensor activates the i-TOOL AIR S, and with its IR sensor mounted in the hand piece, it has an auto on/off function.

## CHIP TOOL VARIO

The desoldering tweezers Chip Tool VARIO distinguishes itself through the high power it provides (2 x 40 W) as well as its small, compact design. On account of this, it is ideally suited for working with delicate SMD components.

The pluggable pair of heating elements can be precisely aligned to each other at the grip, and are easily and quickly exchangeable. A switching element provided for allows for the change over from self-opening to self-closing operation and vice-versa of this precision tool. The CHIP TOOL VARIO has, as is the case with the i-TOOL and the i-TOOL AIR, the proven and reliable motion sensor to activate out of stand-by.

## i-TOOL

Ersa's ultra low weight 150 W i-TOOL clearly exceeds the market's expectations for a high-powered, micro soldering iron. With its rapid recovery, the extensive i-Tip soldering tip range, as well as the Process Window Alarm, Energy Levels and Motion Sensor for Auto-Sleep functions, i-CON users worldwide are benefiting from the highest level of process control ever seen in the industry.

## X-TOOL

The Ersa X-TOOL with 120 W is an extremely high powered desoldering iron which has been specifically designed for the toughest through-hole desoldering applications on the heaviest of PCBs. The unique "Heat Reservoir" concept guarantees the shortest dwell times and the tip temperature control guarantees the fastest recovery.

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

## Technical informations & configuration options – You have the choice!

### Technical Data

i-CON VARIO 4 - Electronic Station - (0ICV403A)	
Power / Voltage	max. 500 W / 230 V / 50 Hz
Vacuum	700 mbar max.
Volume of air	2 – 20 l/min
Temperature range	150 – 450 °C (50 – 550 °C – i-Tool AIR S)

i-CON VARIO 2 - Electronic Station - (0ICV203A)	
Power / Voltage	max. 200 W / 230 V / 50 Hz
Volume of air	2 – 20 l/min
Temperature range	150 – 450 °C (50 – 550 °C – i-Tool AIR S)

i-TOOL AIR S - Hot Air Unit - (0470BRJ)	
Weight	ca. 90 g (without supply line)
Power	200 W
Hot Air Tips	<b>Serie 472</b>

i-TOOL - Soldering Tool - (0100CDJ)	
Gewicht	ca. 30 g (without supply line)
Power	150 W
Soldering Tips	<b>Serie 102</b>

CHIP TOOL VARIO - Desoldering Tweezers - (0460MDJ)	
Weight	ca. 75 g (without supply line)
Power	2 x 40 W
Desoldering Tips/Heating Element	<b>Serie 462</b>

X-TOOL - Desoldering Tool - (0720EDJ)	
Weight	ca. 240 g (without supply line)
Power	2 x 60 W
Desoldering Tips	<b>Serie 722</b>

### Order data i-CON VARIO 4

Content / order nr.	0ICV4000A	0ICV4000AI	0ICV4000AIC	0ICV4000AICX
i-CON VARIO 4	1x	1x	1x	1x
i-TOOL AIR S	1x	1x	1x	1x
i-TOOL		1x	1x	1x
CHIP TOOL VARIO			1x	1x
X-TOOL				1x
Holder	1x	2x	3x	4x

### Order data i-CON VARIO 2

Content / order nr.	0ICV2000A	0ICV2000AI	0ICV2000AC
i-CON VARIO 2	1x	1x	1x
i-TOOL AIR S	1x	1x	1x
i-TOOL		1x	
CHIP TOOL VARIO			1x
Holder	1x	2x	2x