



ERSA i-CON VARIO 2 & i-CON VARIO 4

Multichannel soldering and desoldering station

Meets the highest standards in professional soldering
and desoldering equipment.



GLOBAL. AHEAD. SUSTAINABLE.



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

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The i-CON VARIO 4 multichannel soldering and desoldering station meets even highest demands placed on professional soldering and desoldering equipment. This high-end model of the i-CON family is the only soldering station in the world to provide the user with four soldering tools for demanding soldering tasks:

- The i-TOOL AIR S hot air iron (200 W) – flexible SMD soldering and -desoldering with non-contact energy transfer
- The i-TOOL soldering iron (150 W) – efficient and powerful contact soldering with extensive tip selection
- The CHIP TOOL VARIO desoldering tweezers (80 W) – precise desoldering of finest SMD components
- The X-TOOL VARIO desoldering iron (150 W) – fast and clean desoldering of PTH components

For soldering applications with very high heat requirements, the i-TOOL HP soldering iron (250 W) can be operated as an alternative to the i-TOOL AIR S. The connection of further Ersas soldering tools is possible.

The i-CON VARIO 2 multi-channel soldering and desoldering station provides the professional user with two soldering tools that can be used simultaneously. A version without pumps addresses users who want to use i-TOOL HP and i-TOOL only. The i-CON VARIO 2 is otherwise similar to the i-CON VARIO 4 in its function and operation.

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 easy to operate i-Op facility and its clearly arranged displays. In addition, the stations have interfaces for the Ersas solder fume extraction units or infrared heating plates, as well as a USB port.

With a microSD memory card, the stations can be quickly and safely configured, so that they are optimally prepared for all applications in professional electronics manufacturing. They are of course well-suited for the use in ESD protected zones.

further information:



Ersa stations & tools

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 solder smallest chips the operator can dose air volume precisely. Various nozzles guarantee an optimal energy transfer 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 applications with smallest SMT components. The plug-in pairs of soldering tips are precisely adjustable and easy to exchange. A switching element changes the tool's operation from self-closing to self-opening mode. Its 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 inexpensive Erska Ion-life soldering tips. 150 W heating power guarantee fastest heat up times and heat recovery. Process-window alarms, 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

The i-TOOL HP offers maximum power for high-mass solder joints. With 250 W and exchangeable soldering tips, it delivers HIGH POWER in manual soldering. This tool can be operated on all i-CON VARIO stations. For stand-alone operation, Erska recommends the i-CON VARIO 2 HP (0ICV2000HP) version.

Technical information & configuration options

Configuration

Order no./contents	i-TOOL AIR S	i-TOOL	CHIP TOOL VARIO	X-TOOL VARIO	i-TOOL HP
01CV2000A	■				
01CV2000AI	■	■			
01CV2000AC	■		■		
01CV2000AXV	■			■	
01CV2000HP					■
01CV2000XV				■	
01CV2000XVI		■		■	
01CV4000AI	■	■			
01CV4000AIC	■	■	■		
01CV4000AICXV	■	■	■	■	

Technical data soldering and desoldering tools

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

Technical data electronic stations

Order no.	Description	Rating/voltage	Vakuum	Air flow	Temperature range
01CV403A	i-CON VARIO 4 electronic station	max. 500 W/230 V, 50 Hz	max. 700 mbar	2 – 20 l/min	150 – 450 °C (50 – 550 °C – i-TOOL AIR S)
01CV203A	i-CON VARIO 2 electronic station	max. 200 W/230 V, 50 Hz	—	2 – 20 l/min	150 – 450 °C (50 – 550 °C – i-TOOL AIR S)
01CV203AP	i-CON VARIO 2 electronic station	max. 200 W/230 V, 50 Hz	max. 700 mbar	2 – 20 l/min	150 – 450 °C (50 – 550 °C – i-TOOL AIR S)
01CV203HP	i-CON VARIO 2 electronic station	max. 200 W/230 V, 50 Hz	—	—	150 – 450 °C
01CV203X	i-CON VARIO 2 electronic station	max. 200 W/230 V, 50 Hz	max. 700 mbar	—	150 – 450 °C