



## ERSA SOLDERING TOOLS 2025

Expertise for more than 100 years

Soldering Irons  
Soldering and Desoldering Stations  
Solder Fume Extractions  
Hybrid Rework Equipment  
and Accessories

GLOBAL. AHEAD. SUSTAINABLE.

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**TIP'N'  
TURN**



*Patented Tip'n'Turn soldering tip technology*  
Tip exchange in record time and 20 % more power  
Refer to page 8

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Soldering & Desoldering Stations

# Classic Soldering Stations



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# RDS 80

## The universal, digital soldering station

### Order information

Order no.	Description
0RDS80	RDS 80 soldering station, complete, with RT 80 soldering iron (0890CDJ), soldering tip 0842CD, heating element 089100J, tool holder 0A39 with sponge 0003B
1RDS800000A67	RDS 80, 115 V version



RDS 80 with RT 80 soldering iron, Erska RESISTRONIC control system.  
Soldering tip series 832, 842 and 852 see page 50.

The Erska **RDS 80** digital soldering station with the proven Erska RESISTRONIC temperature control provides **80 W** heating power. The ceramic PTC heating element (positive temperature coefficient) acts as the temperature sensor in this control system and ensures extremely fast heating thanks to the high initial output. High heating power and the large selection of soldering tips allow a very wide range of applications. The heating system with the internally heated soldering tips has a high thermal efficiency.

The redesigned ergonomic handle, the housing design and the large, digital multifunctional display do not leave much to be desired.

Besides the arbitrary temperature selection between 150 °C and 450 °C, three fixed temperatures or two fixed temperatures and one standby temperature can be programmed.

**Great price-performance ratio**

In addition to a power bar graph display the station also has a calibrating and power-off feature. The potential equalization socket (with an integrated 220 kΩ resistor) allows the soldering tip to be equalized with the workplace potential.

The RT 80 soldering iron has a sprayed-on, flexible PVC connecting cable. For tip exchange we recommend to use the tip exchanger 3ZT00164 (see page 38).

### Technical data

Station	Rating/Voltage	Temperature	Soldering iron	Rating/Voltage	Heating time	Weight*
RDS 80	80 W/230 V, 50 – 60 Hz/24 V or 80 W/115 V, 50 – 60 Hz/24 V	150 – 450 °C	RT 80	105 W (280 °C)	approx. 40 s (280 °C)	approx. 130 g

\*with cable



Application example



Multifunctional display

# i-CON PICO MK2

The entry into professional soldering



**Small footprint:  
only 145 mm x 80 mm!**

**0A58**  
Optional Tip'n'Turn  
holder for i-TOOL  
PICO MK2

*i-CON PICO MK2 with i-TOOL PICO MK2 soldering iron.  
Soldering tip series 142 see pages 46/47.*

Fast, efficient and good value for money – these requirements are met by the **i-CON PICO MK2** – the entry-level station for professional soldering within Ersas i-CON soldering station series. It suits semi-professional and ambitious users in the DIY sector who can do without ESD capability.

In addition to the continuously variable temperature control via the two buttons next to the easy-to-read LC display, three fixed temperatures and three energy levels can be individually set via PC software and microSD card so that the user can quickly switch between the parameters depending on the soldering job. The standby function protects the soldering tip and significantly increases its service life. Another highlight: the soldering station can also be locked for other users via the microSD card.

Weighing only 30 g, the **i-TOOL PICO MK2** soldering iron is extremely ergonomic, making it a pleasure to work with. Heat-up from room temperature to operating temperature only takes

9 seconds. The integrated temperature sensor reacts immediately and accurately, ensuring a constant temperature for safe soldering, even with sensitive components.

With the 142 series, a comprehensive range of cost-effective soldering tips featuring the new Tip'n'Turn technology (see page 8) is available for a wide variety of applications.

## Order information

Order no.	Scope of supply
01C1305	i-CON PICO MK2 soldering station, complete, with i-TOOL PICO MK2 (0135CDK) soldering iron with soldering tip 0142CDLF16, heating element 014100J and holder 0A60 with brass wool 0008M/SB
11C1305000A67	i-CON PICO MK2, 115 V-Version

## Technical data

Station	Rating/Voltage	Temperature	Soldering iron	Rating/Voltage	Heating time	Weight*
i-CON PICO MK2	max. 80 W/230 V (115 V), 50 Hz	150 – 450 °C	i-TOOL PICO MK2	max. 80 W/16.5 V	approx. 9 s (350 °C)	approx. 30 g

\*without cable

Soldering & Desoldering Stations

# Industrial and IoT Soldering Stations



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# TIP'N' TURN

## Patented soldering tip technology

Tip exchange in record time and 20 % more power

The latest i-TOOL generation providing 20% more soldering power is one of the smallest and most powerful soldering irons in the market. It increases not only quality and productivity in hand soldering, but also reduces operating costs tremendously.

In contrast to cartridge tips, only the soldering tip is changed – quickly, easily and without any additional tool required. The expensive heating element remains in place which renders the i-TOOL tip technology sustainable both ecologically and

economically. A comprehensive range of standard and customized tips provides an unrivalled flexibility, even with difficult and unusual soldering jobs.

The high-performance heating element supplies 150 W of heating power ensuring fastest heat-up and recovery so that the i-TOOL never runs out of energy, even during heat-intensive soldering. At the same time, at 30 g and a compact 150 mm overall length, it is very comfortable to hold.



New i-TIP tip series: Thermally optimized soldering tip design, fast tip change, QR code on each soldering tip, low overall cost.

### Tip'n'Turn concept

Due to the patented Tip'n'Turn concept with its bayonet lock, tip exchange is effected within record time. Tips are exchanged with a simple turn either by hand or using tool holder OA58. The i-TOOL MK2 handle remains cool and convinces also during permanent operation.

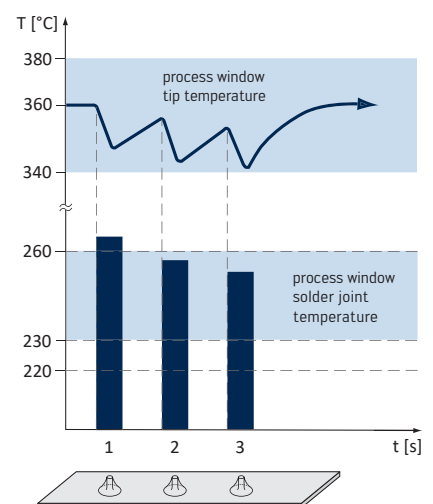
### Process window and alarm

The i-TOOL MK2 recovers so fast that all solder joints can be made with nearly the same temperature. The sensor measures

the actual tip temperature very close to the tip extremity. The i-CON stations signal the operator if the temperature leaves the pre-set process window.

### Automatic standby

As soon as the soldering tool is not used, the temperature drops to the set standby temperature after the preselected standby time.



Super fast tip change: by hand or using the OA58 tool holder which is compatible with i-TOOL TRACE and all i-TOOL MK2 series soldering irons.



# The new i-TOOL MK2 technology

now available for all i-CON stations

## i-TOOL MK2 technology advantages at a glance



Fast heat-up/reheat and up to 20 % more heating power



Fast tip exchange in record time via Tip'n'Turn



Retrofittable to preceding stations



Longer lifetime due to standby sensor



Experience increased efficiency in hand soldering now with the extremely lightweight and powerful soldering irons i-TOOL MK2, i-TOOL PICO MK2 as well as i-TOOL NANO MK2 and i-TOOL TRACE.

### One soldering tip series for all tools

The 142 soldering tip series offers an extensive range of low-cost, long-life soldering tips (see pages 46/47).



tip identification by QR code

### CHIP TOOL VARIO

The CHIP TOOL VARIO stands out by its high power (2 x 40 W) and its very compact design. Thus, it is perfectly suited for working on very small and delicate SMD components. The heating element pairs are plug-in components. They can be aligned exactly in the handle, and exchanging them is quick and easy. Furthermore, the operating mode of this precision tool can be set from self-closing mode to self-opening mode with an integrated switch. The CHIP TOOL VARIO is equipped with the proven and reliable motion sensor to activate it out of standby.



Desoldering tip pairs, series 462 see page 52.

### Technical data soldering & desoldering tools

Order no.	Description	Heating element	Rating/Voltage	Temperature range	Weight*
0135CDK	i-TOOL PICO MK2 soldering iron	014100J	80 W/16.5 V	150 - 450 °C	approx. 30 g
0125CDK	i-TOOL NANO MK2 soldering iron	016100J	80 W/16.5 V	150 - 450 °C	approx. 30 g
0105CDJ	i-TOOL MK2 soldering iron	016100J	150 W/24 V	50 - 450 °C	approx. 30 g
0140CDJ	i-TOOL TRACE soldering iron	014100J	150 W/24 V	50 - 450 °C	approx. 30 g
0460MDJ	CHIP TOOL VARIO desoldering tweezers	042100J	2 x 40 W/24 V	50 - 450 °C	approx. 30 g
0450MDJ	CHIP TOOL desoldering tweezers	042100J	2 x 20 W/24 V	150 - 450 °C	approx. 75 g

Possible combination of tools and i-CON stations see page 24

\*without cable

# i-CON NANO MK2

Compact industrial soldering station



Small footprint:  
only 145 mm x 80 mm!



*i-CON NANO MK2 with i-TOOL NANO MK2 soldering iron.  
Soldering tip series 142 see pages 46/47.*

The **i-CON NANO MK2** realizes ESD safety including potential equalization up to the soldering tip and is the ideal entry-level model for the professional sector and the industry. It is fast and efficient, and it provides good value for money.

An interesting feature for this product class is the configuration of the station via PC software and microSD card. In addition to the continuously variable temperature control, this allows three fixed temperatures and three energy levels to be programmed individually, so that it is possible to switch quickly between the parameters depending on the soldering job. The standby function protects the soldering tip and significantly increases its service life. The soldering station can also be locked for other

users via the microSD card. Operation is effected via the two buttons next to the easy-to-read LC display.

## Order information

Order no.	Scope of supply
01C1205A	i-CON NANO MK2 soldering station, complete, with i-TOOL NANO MK2 soldering iron (0125CDK), soldering tip 0142CDLF16, heating element 016100J and holder 0A59 with brass wool 0008M/SB
11C1205A00A67	i-CON NANO MK2, 115 V-Version

## Technical data

Station	Rating/Voltage	Temperature	Soldering iron	Rating/Voltage	Heating time	Weight*
i-CON NANO MK2	max. 80 W / 230 V (115 V), 50 Hz	150 – 450 °C	i-TOOL NANO MK2	max. 80 W/16.5 V	approx. 9 s (350 °C)	approx. 30 g

\*without cable



Changing the soldering tip of i-TOOL NANO MK 2 is quick and easy.

Weighing only 30 g, the **i-TOOL NANO MK2** soldering iron is extremely ergonomic, making it a pleasure to work with. Heat-up from room temperature to operating temperature only takes 9 seconds. The integrated temperature sensor reacts immediately and accurately, ensuring a constant temperature for safe soldering, even with sensitive components.

With the 142 series, a comprehensive range of cost-effective soldering tips is available for a wide variety of applications.

#### Order information

Order no.	Scope of supply
01C1205A58	i-CON NANO MK2 soldering station, complete, with i-TOOL NANO MK2 soldering iron (0125CDK), soldering tip 0142CDLF16, heating element 016100J and holder 0A58 with brass wool 0008M/SB, splash guard 0009/SB and sponge 0004G/SB



*i-CON NANO MK2 with i-TOOL NANO MK2 soldering iron and holder 0A58 with brass wool 0008M/SB, splash guard 0009/SB and sponge 0004G/SB.*

*Soldering tip series 142 see pages 46/47.*



# i-CON 1 MK2

## Industrial professional soldering station



### Order information

Order no.	Scope of supply
01C1105A	i-CON 1 MK2 electronic station, compl., with i-TOOL MK2 soldering iron (0105CDJ), soldering tip 0142CDLF16, heating element 016100J and holder 0A59 with brass wool 0008M/SB
11C1105A00A67	i-CON 1 MK2, 115 V version
01C1105A0C	i-CON 1C MK2 soldering station with interface, compl., with i-TOOL MK2 soldering iron (0105CDJ), soldering tip 0142CDLF16, heating element 016100J and holder 0A59 with brass wool 0008M/SB



i-CON 1 MK2 with i-TOOL MK2 and holder 0A59.  
Soldering tip series 142 see pages 46/47.



The **i-CON 1 MK2** is the popular and proven "workhorse" for electronics production. It comes with the lightweight and ergonomic 150 W **i-TOOL MK2** soldering

iron – the perfect tool for all SMD and PTH applications.

The comprehensive 142 tip series enables the i-TOOL MK2 to be perfectly set for each job.

The digital i-CON 1 MK2 control station features the modern "One-Touch" operating concept with iOp Control and large, backlit plain text display.

### Order information

Order no.	Scope of supply
01C1105A58	i-CON 1 MK2 electronic station, compl., with i-TOOL MK2 soldering iron (0105CDJ), soldering tip 0142CDLF16, heating element 016100J and holder 0A58 with brass wool 0008M/SB, splash guard 0009/SB and sponge 0004G/SB
11C1105A58A67	i-CON 1 MK2, 115 V-Version



i-CON 1 MK2 with i-TOOL MK2 and Tip'n'Turn holder 0A58.  
Soldering tip series 142 see pages 46/47.

### Technical data

Station	Rating/Voltage	Soldering iron	Rating/Voltage	Heating time	Weight*
i-CON 1 MK2/i-CON 1C MK2	max. 150 W / 230 V (115 V), 50 Hz	i-TOOL MK2	150 W/24 V	approx. 9 s (350 °C)	approx. 30 g

\*without cable

# i-CON 1V MK2

## Industrial professional soldering station



*i-CON 1V MK2 with i-TOOL MK2 and holder OA59.  
Soldering tip series 142 see pages 46/47.*

### Order information

Order no.	Scope of supply
01C1105V	i-CON 1V MK2 soldering and desoldering station ,with i-TOOL MK2 soldering iron (0105CDJ) with soldering tip 0142CDLF16, heating element 016100J, and holder OA59 with brass wool 0008M/SB
01C1105V0C	i-CON 1VC MK2 soldering and desoldering station with interface with i-TOOL MK2 soldering iron (0105CDJ), with tip 0142CDLF16, heating element 016100J, and holder OA59 with brass wool 0008M/SB

In addition to the i-TOOL MK2, the **i-CON 1V MK2** can also be used to operate existing tools, such as the **POWER TOOL** soldering iron and **CHIP TOOL** or **CHIP**

**TOOL VARIO** desoldering tweezers. This provides the user with soldering tools for a wide range of soldering and desoldering applications. The i-CON 1 versions with

interface (i-CON 1C and i-CON 1VC) provide for the connection of an IR heating plate and a solder fume extraction system.

### Technical data

Station	Rating/Voltage	115 V version
i-CON 1V MK2/i-CON 1VC MK2	max. 150 W / 230 V, 50 Hz	max. 150 W/115 V, 60 Hz



*Optional POWER TOOL soldering iron  
Soldering tip series 832 and 842, see page 50*



*Optional CHIP TOOL desoldering tweezers  
Desoldering tip pairs, series 422/452, see page 53*



*Optional CHIP TOOL VARIO desoldering tweezers  
Desoldering tip pairs, series 462, see page 52*

### Technical data soldering & desoldering tools

Order no.	Description	Heating element	Rating/Voltage	Temperature range	Weight*
0105CDJ	i-TOOL MK2 soldering iron	016100J	150 W/24 V	50 - 450 °C	approx. 30 g
0840CDJ	POWER TOOL soldering iron	084100J	80 W/24 V	150 - 450 °C	approx. 90 g
0460MDJ	CHIP TOOL VARIO desoldering tweezers	042100J	2 x 40 W/24 V	50 - 450 °C	approx. 30 g
0450MDJ	CHIP TOOL desoldering tweezers	042100J	2 x 20 W/24 V	150 - 450 °C	approx. 75 g

\*without cable

# i-CON 2V MK2

Double channel soldering and desoldering station for multiple applications



The double channel soldering and desoldering station **i-CON 2V MK2** is a consistent further development of the well-known i-CON 2 based on the future-oriented Ersä VARIO platform.

The station utilizes an intelligent power management to dynamically shift its power between the attached tools. i-CON 2V MK2, like all other i-CON stations, convinces by its intuitive one-touch operation and the large multifunctional display. It meets the ESD requirements and is available in a version with interface (i-CON 2VC MK2) to connect a fume extraction unit, a heating plate and a PC. If required, the i-CON 2V MK2 can be updated like the i-CON VARIO stations with a microSD memory card and thus is prepared for future necessities.



Optional CHIP TOOL desoldering tweezers

## Order information

Order no.	Scope of supply
01C2205V	i-CON 2V MK2 double channel soldering and desoldering station with i-TOOL MK2 soldering iron (0105CDJ) with tip 0142CDLF16, heating element 016100J and holder 0A59 with brass wool 0008M/SB
11C2205V00A67	i-CON 2V MK2 with i-TOOL MK2, 115 V version
01C2205VC	i-CON 2V MK2 double channel soldering and desoldering station with i-TOOL MK2 soldering iron (0105CDJ) with tip 0142CDLF16 and heating element 016100J, CHIP TOOL VARIO desoldering tweezers (0460MDJ) with tips 0462MDLF007 and heating element 042100J, holders 0A59 and 0A54 with brass wool 0008M/SB
01C2205VIT	i-CON 2V MK2 double channel soldering and desoldering station with 2 i-TOOL MK2 soldering irons (0105CDJ) with tip 0142CDLF16, heating element 016100J and 2 holders 0A59 with brass wool 0008M/SB
01C2205V0C	i-CON 2VC MK2 double channel soldering and desoldering station with interface, with i-TOOL MK2 soldering iron (0105CDJ) with tip 0142CDLF16, heating element 016100J, holder 0A59 with brass wool 0008M/SB

## Technical data

Station	Rating/Voltage	115 V version
i-CON 2V MK2/i-CON 2VC MK2	max. 150 W/230 V, 50 Hz	max. 150 W/115 V, 60 Hz

## Technical data soldering & desoldering tools

Order no.	Description	Heating element	Rating/Voltage	Temperature range	Weight*
0105CDJ	i-TOOL MK2 soldering iron	016100J	150 W/24 V	50 - 450 °C	ca. 30 g
0460MDJ	CHIP TOOL VARIO desoldering tweezers	042100J	2 x 40 W/24 V	50 - 450 °C	approx. 30 g
0450MDJ	CHIP TOOL desoldering tweezers	042100J	2 x 20 W/24 V	150 - 450 °C	approx. 75 g

\*without cable



Fully equipped workplace with i-CON 2 VC MK2 station, i-TOOL MK2, CHIP TOOL VARIO and solder fume extraction.

## ***i-CON with interface***

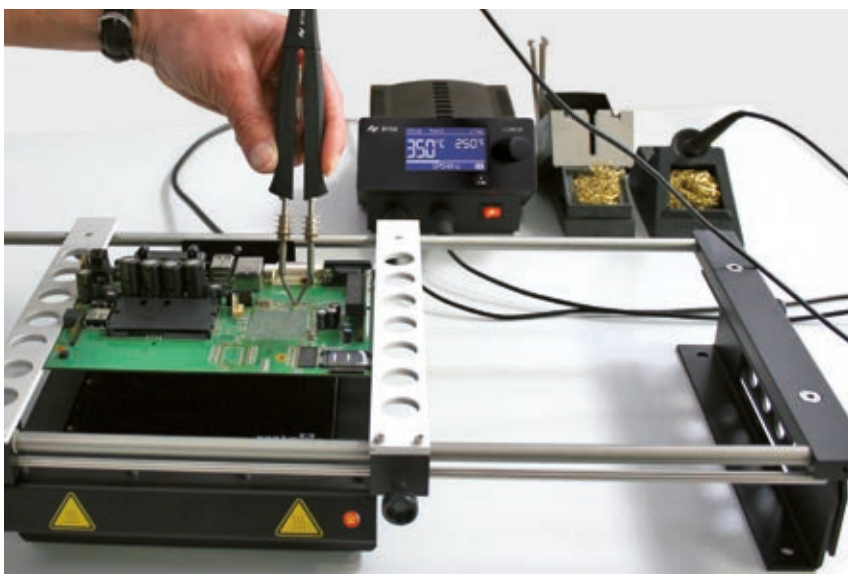
**One control unit for preheating, soldering and fume extraction**

Fume extraction systems and heating plates are the two most important peripheral systems on the workbench. Ersa's i-CON C stations incorporate an interface to control Ersa IR heating plates and Ersa EASY ARM fume extraction systems.

Up to two i-CON 1C MK2 or i-CON 2VC MK2 stations can be combined with a filter unit EASY ARM 1 or EASY ARM 2 using an interface cable. The extraction unit is only working while at least one of the attached soldering stations is in operation. When both i-CON stations are in standby mode, the EASY ARM filter unit automatically switches off, which results in longer filter lifetime, lower energy costs and less noise.

The safe and powerful medium-wave IR heating plate technology offers enormous advantages in modern hand soldering: soldering iron, internally heated SMD desoldering tweezers and/or desoldering tool can be operated with considerably lower tip temperatures.

This reduces the risk of damage to the assembly while at the same time tip lifetime will substantially increase!



SMD desoldering with the CHIP TOOL desoldering tweezers. Bottom-side preheating of the PCB with a heating plate provides for gentle processes.

# THE MISSING LINK



## i-CON TRACE IoT Soldering Station



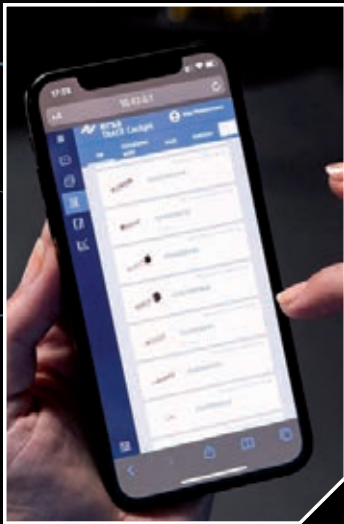
### 100 % Connectivity

With the i-CON TRACE, Ersa is offering the first soldering station specifically designed for use in a digitally networked environment and for complete traceability in hand soldering. With integrated WLAN, Bluetooth and an upgradeable network card it offers an all-new connectivity.

The operating software Ersa TRACE COCKPIT is available free of charge as a download, and it is installed centrally, i.e. only once, on the customer's server. As soon as a soldering station is integrated into the company network, all mobile end devices (PC, tablet, smartphone) that are in the company network and have the appropriate authorization can access the soldering stations.

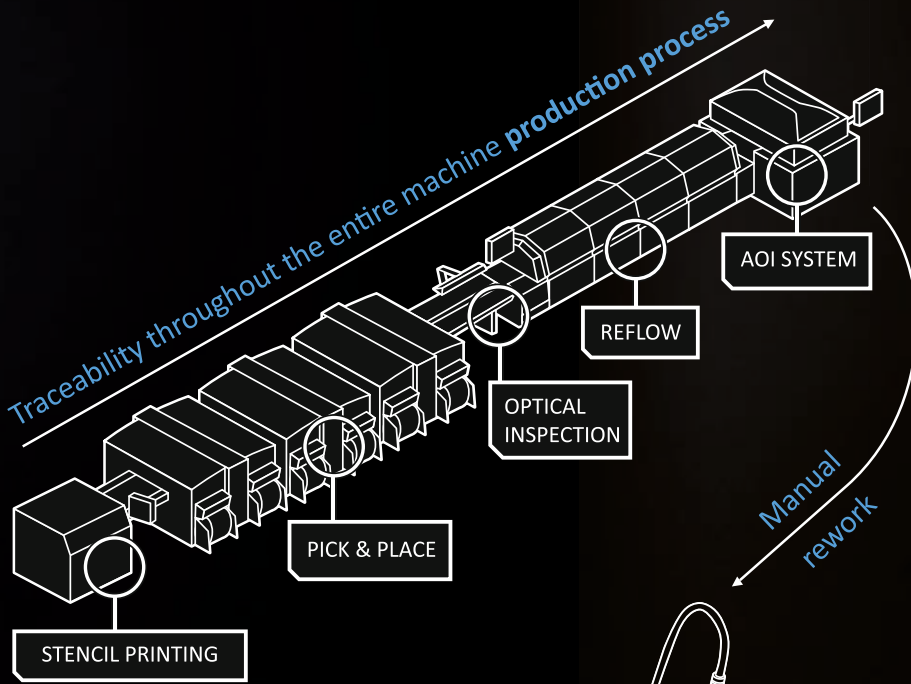
Access is via web browser, e.g. Google, Chrome, Firefox, Windows Explorer. The server-based communication concept decisively facilitates the administration of the individual soldering stations by means of connectivity: Firmware updates, calibration intervals and much more can be carried out and monitored centrally from one computer.



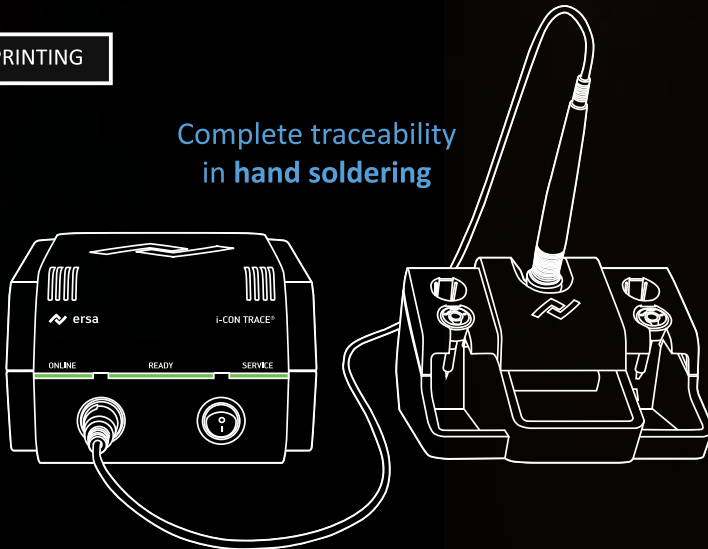


## Traceability

Specific soldering tasks can be centrally assigned to each soldering station – via MES, PC or mobile device. Thereby all essential parameters such as the soldering tip to be used, temperature, soldering wire and flux are set centrally by qualified personnel. This significantly increases process reliability: Each workpiece is soldered according to the predefined specifications. The operator can concentrate fully on soldering and the susceptibility to errors is reduced.



**Complete traceability  
in hand soldering**



## Fully comprehensive documentation/ MES connection

Seamless process data documentation is a key-feature of future electrical production. The i-CON TRACE closes the last gap in the manual soldering process and can be completely integrated into MES-controlled production processes. Thus it is already possible to download a recording of the entire soldering task via a desired file format and save this in a higher-level control system. In the future, even real-time communication between the soldering station and the customer's MES will be possible.

# GREEN MEANS GO!



Poka Yoke is a Japanese term meaning "error prevention" or "error-proofing". It is a method of designing a process or product to prevent defects from occurring in the first place. By using poka-yoke techniques in solder manufacturing, manufacturers can help improve product quality and increase efficiency and productivity.

i-CON TRACE is designed to minimize errors and defects during the soldering process.

## Usability

With only one on/off switch and three LEDs, the interface of the soldering station differs significantly from all other industrial soldering stations with their complex setting options and a display. The work for the personnel at the soldering station is significantly simplified. By means of a hand-held scanner the component, soldering tip, solder wire and flux used are recorded. In this way, the system "knows" that all the conditions for the assigned soldering task are met.

The LED interface then literally gives the user the green light as soon as the predefined temperature is reached at the soldering tip. An effective measure to ensure that each solder joint is soldered with the exact temperature and the right material. Any malfunctions (e.g. defective heating element, wrong



soldering tip in relation to the component) are detected by the system and reported to the operator. If all parameters are correct, the soldering process is authorized. During soldering, the i-CON TRACE records the process data. Every soldering process is precisely documented and traceable.

# PREMIUM PERFORMANCE. MINIMUM COST.



With 150 W heating power, the i-CON TRACE offers outstanding performance. It heats up very quickly, and reheats even faster, and thus ensures a stable temperature profile. Newly designed soldering tips transfer the heat to the solder joint with pinpoint accuracy. The heating element and soldering tip can still be replaced separately. This saves resources and money, because each wearing part only needs to be replaced when it is really necessary. The i-CON TRACE is therefore not only an economic but also an ecological benefit for every electronics production.

Via the mobile app Ersas TRACE for smartphones and tablets, the i-CON TRACE can be used like a conventional stand-alone soldering station even without a connection to a company network. The program for controlling the soldering station runs on the mobile end device – relevant information such as set and actual temperature is displayed on a smart device via WLAN and can also be changed there. This enables demand-oriented, smart operation for the user.

## Mobile App Ersas TRACE



Download  
for iOS  
devices



Download  
for Android  
devices

## Order information

Order No.	Description
0ICT1000A	i-CON TRACE soldering station, complete with i-TOOL TRACE soldering iron, tip 0142CDLF16, heating element 014100J (0140CDJ) and holder 0A58 with brass wool 0008M/SB, splash guard 0009/SB and sponge 0004G/SB
1ICT1000A00A67	i-CON TRACE soldering station, complete, 115 V version
0ICT125	Network card i-CON TRACE

## Technical data

Station	Rating/Voltage	Temperature	Soldering iron	Rating/Voltage	Heating time	Weight*
i-CON TRACE	max. 150 W/230 V (115 V), 50/60 Hz	50 – 450 °C	i-TOOL TRACE	150 W/24 V	approx. 9 s	30 g

\*without cable

Soldering & Desoldering Stations  
for Rework



# Multiple tools for all applications

## Tools for i-CON VARIO 2 MK2 & i-CON VARIO 4 MK2

### i-TOOL AIR S

The ergonomic i-TOOL AIR S hot-air iron provides 200 W power permitting the user to process a wide range of SMDs in a non-exhausting way. The hot-air volume can be adjusted very easily directly on the handle, and the set air volume (2 – 20 l/min) is clearly visible on the display of either the i-CON VARIO 2 or the i-CON VARIO 4. Various nozzle sizes are available for an optimal component heat-up.



Hot-air nozzle series 472  
see page 54.



### 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 (01CV2000HP) version.



Soldering tip series 242  
see page 51.

**i-TOOL MK2 and  
CHIP TOOL VARIO**  
see page 9

### CHIP TOOL

The CHIP TOOL desoldering tweezers are characterized by a large tip portfolio for all common components. The inserted tips can be changed in a second. The optional tip turn protection set allows plug'n'play tip changing. Opening and closing width can be adjusted individually enabling comfortable and safe working even in cramped spaces. In addition to i-CON, i-CON 2, i-CON 1V, i-CON 2V and the i-CON VARIO family, the CHIP TOOL can also be used with many older control units (Digital 2000, MicroCON 60iA, SMT Unit 60 AC etc.).



Desoldering tip pairs, series  
422/452, see page 53

### X-TOOL VARIO

The X-TOOL VARIO convinces with highly efficient 150 W heating technology. The design of heating element and desoldering tip ensure an efficient thermal transfer and a fast evacuation of the extracted solder. The slim shape of heating head and desoldering tip allow desoldering even on densely populated PCBs.



Desoldering  
tip series 742  
see page 52.



Service tool for  
X-TOOL VARIO



Cleaning kit for tip  
series 742H

### Technical data soldering & desoldering tools

Order no.	Description	Heating element	Rating/Voltage	Temperature range	Weight*
0470ERJ	i-TOOL AIR S hot-air iron	--	200 W/24 V	50 - 550°C	approx. 90 g
0740EDJ	X-TOOL VARIO desoldering iron	074100J	50 W/24 V	50 - 450°C	approx. 210 g incl. cable
0240CDJ	i-TOOL HP high-performance soldering iron	024100J	250 W/24 V	50 - 450°C	approx. 110 g
0450MDJ	CHIP TOOL desoldering tweezers	042100J	2 x 20 W (350°C)/24 V	150 - 450°C	approx. 75 g

\*without cable

# i-CON VARIO 2 MK2

## Multichannel soldering and desoldering station



### Connectable tools

- **i-TOOL AIR S** hot air iron (200 W)
- **i-TOOL MK2** soldering iron (150 W)
- **CHIP TOOL VARIO** desoldering tweezers (2 x 40 W)
- **CHIP TOOL** desoldering tweezers (2 x 20 W)
- **X-TOOL VARIO** desoldering tool (150 W)
- **i-TOOL HP** high-power soldering iron (250 W)

For detailed descriptions please refer to pages 9 and 21.

The multichannel soldering and desoldering station **i-CON VARIO MK2** provides the professional user with two soldering tools that can be used simultaneously.

### 0A58

Tip'n'Turn holder for i-TOOL MK2



All functions, including the generation of the air and the vacuum required in the process are united in the supply unit, which features the easy to operate i-OP operation and a

clearly arranged display. In addition, the soldering stations have interfaces to connect the Ersasolder fume extraction units or infrared heating plates, as well as an USB port. Via a micro-SD memory card, software updates are quick and safe.

i-TOOL MK2, CHIP TOOL, CHIP TOOL VARIO and X-TOOL VARIO are plugged in bushing A1. The high-performance bushing A2 can be used to operate either the i-TOOL AIR S (200 W) or the i-TOOL HP (250 W). The station without the pumps is for users that want to use exclusively the i-TOOL HP and the i-TOOL.

### Technical data electronic stations

Order no.	Description	Rating/Voltage	Vacuum	Air Flow
01CV2035A	i-CON VARIO 2 MK2	max. 200 W/230 V, 50 Hz	—	2 – 20 l/min
01CV2035AP	i-CON VARIO 2 MK2	max. 200 W/230 V, 50 Hz	max. 700 mbar	2 – 20 l/min
01CV2035HP	i-CON VARIO 2 MK2	max. 200 W/230 V, 50 Hz	—	—
01CV2035X	i-CON VARIO 2 MK2	max. 200 W/230 V, 50 Hz	max. 700 mbar	—

### Configurations & compatibility

Order no.	Description	i-TOOL AIR S	i-TOOL MK2	CHIP TOOL VARIO	CHIP TOOL	X-TOOL VARIO	i-TOOL HP
01CV2005A	i-CON VARIO 2 MK2	■	□	□	□	—	□
01CV2005AI	i-CON VARIO 2 MK2	■	■	□	□	—	□
01CV2005AC	i-CON VARIO 2 MK2	■	□	■	□	—	□
01CV2005AXV	i-CON VARIO 2 MK2	■	□	□	□	■	□
01CV2005HP	i-CON VARIO 2 MK2	—	□	□	□	—	■
01CV2005XV	i-CON VARIO 2 MK2	—	□	□	□	■	—
01CV2005XVI	i-CON VARIO 2 MK2	—	■	□	□	■	—

■ scope of supply, □ compatible, — incompatible

# i-CON VARIO 4 MK2

## Multichannel soldering and desoldering station



The **i-CON VARIO 4 MK2** multichannel soldering and desoldering station meets the highest requirements in professional soldering and desoldering in every field of professional electronic manufacturing – including ESD protected zones. The high-end version of the i-CON family is based on the i-CON VARIO 2 MK2 and is the only soldering station in the world to provide the user with four soldering tools at the same time for demanding soldering tasks (detailed tool descriptions see pages 9 and 21):

- The **i-TOOL AIR S (200 W)** hot air iron – flexible SMD soldering and desoldering with non-contact energy transfer
- The **i-TOOL MK2 (150 W)** – efficient and powerful contact soldering with extensive tip range
- The **CHIP TOOL VARIO (2 x 40 W)** – precise desoldering of finest SMD components

- The **CHIP TOOL (2 x 20 W)** – safe desoldering of heat-sensitive SMDs
- The **X-TOOL VARIO (150 W)** desoldering iron – for safe and clean desoldering of PTH components
- The **i-TOOL HP (250 W)** – for large and high-mass solder joints

All functions, including the generation of air and vacuum, are united in the supply unit of the i-CON VARIO 4 MK2 which is also equipped with the easy to operate i-OP facility and its clearly arranged displays. The station has interfaces for solder fume extraction units or infrared heating plates as well as an USB port. Via a micro-SD memory card the stations can be configured and updated safely and quickly. The high-performance bushing A2 can be used to operate either the i-TOOL AIR S (200 W) or the i-TOOL HP (250 W).

### Technical data electronic stations

Order no.	Description	Rating/Voltage	Vacuum	Air Flow
01CV4035A	i-CON VARIO 4 MK2 electronic station	max. 500W/230V, 50Hz	max. 700 mbar	2 – 20 l/min






















### Configurations & compatibility

Order no.	Description	i-TOOL AIR S	i-TOOL MK2	CHIP TOOL VARIO	CHIP TOOL	X-TOOL VARIO	i-TOOL HP
01CV4005AI	i-CON VARIO 4 MK2	■	■	□	□	□	□
01CV4005AIC	i-CON VARIO 4 MK2	■	■	■	□	□	□
01CV4005AICXV	i-CON VARIO 4 MK2	■	■	■	□	■	□

■ scope of supply, □ compatibility

# i-CON Matrix

Possible combinations of models, tools and peripherals

Lötwerkzeuge und Zubehör										
										
i-CON control stations	i-TOOL PICO MK2	i-TOOL NANO MK2	i-TOOL TRACE	i-TOOL MK2	i-TOOL AIR S	i-TOOL HP	CHIP TOOL VARIO	CHIP TOOL	X-TOOL VARIO	EASY ARM 1+2
 i-CON PICO MK2	■									
 i-CON NANO MK2		■								
 i-CON 1 MK2				■						
 i-CON 1V MK2				■			■	■		
 i-CON 1C MK2				■						■
 1-CON 1 VC MK2				■			■	■		■
 i-CON 2V MK2				■			■	■		
 i-CON 2 VC MK2				■			■	■		■
 i-CON TRACE			■							
 i-CON VARIO 2 MK2				■	■	■	■	■	■	■
 i-CON VARIO 4 MK2				■	■	■	■	■	■	■
<b>Compatible tool holders</b>	<b>0A60 0A58</b>	<b>0A59 0A58</b>	<b>0A58</b>	<b>0A59 0A58</b>	<b>0A55</b>	<b>0A57</b>	<b>0A54</b>	<b>0A43</b>	<b>0A56</b>	

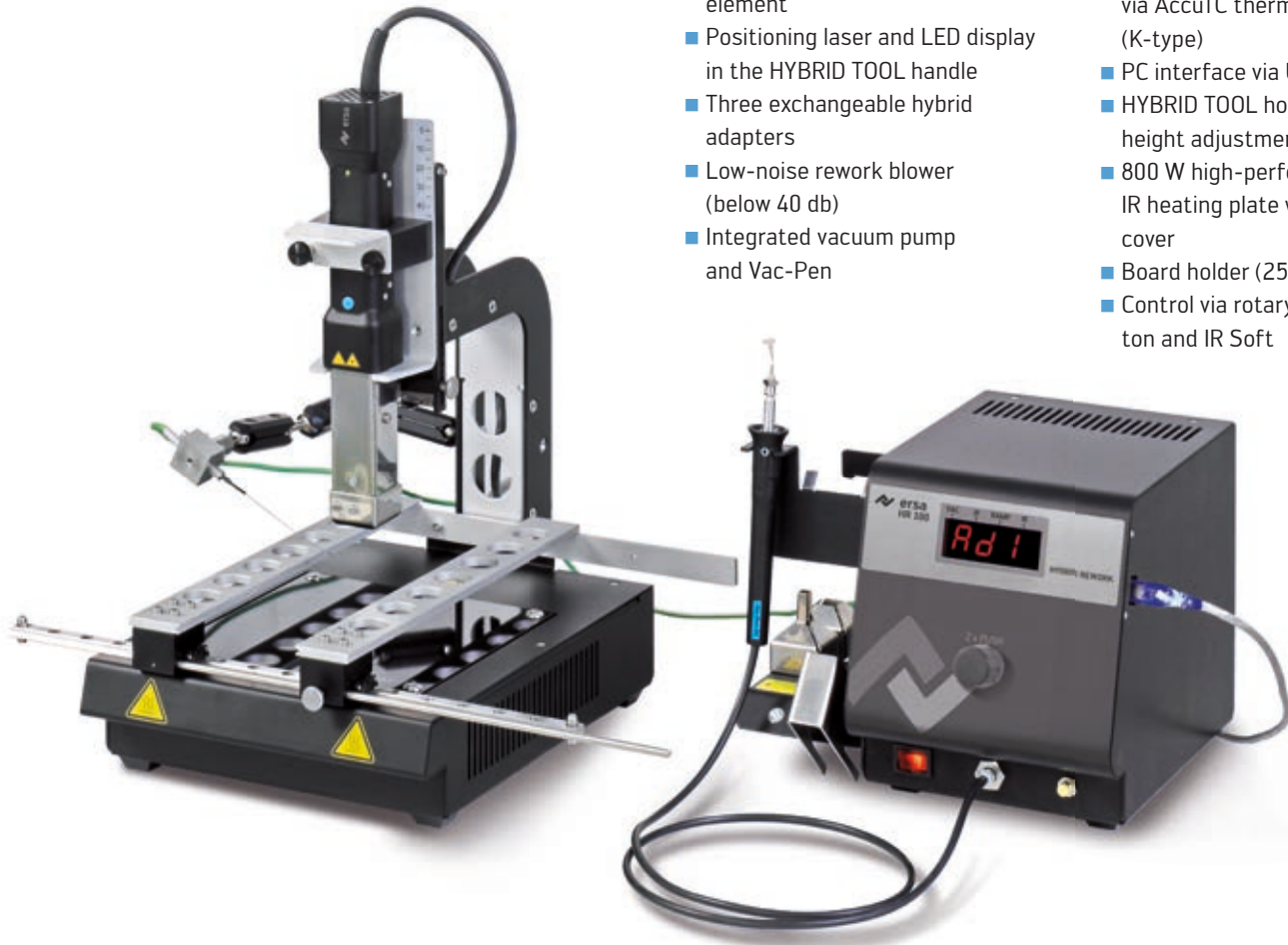
All soldering tools are compatible with the respective preceding control stations.





# ERSA HR 100 & IRHP 100

## Combined handheld and tabletop rework station



### Technical highlights

- HYBRID TOOL with 200 W heating element
- Positioning laser and LED display in the HYBRID TOOL handle
- Three exchangeable hybrid adapters
- Low-noise rework blower (below 40 db)
- Integrated vacuum pump and Vac-Pen
- Temperature recording via AccuTC thermocouple (K-type)
- PC interface via USB port
- HYBRID TOOL holder with height adjustment
- 800 W high-performance IR heating plate with glass cover
- Board holder (250 x 290 mm)
- Control via rotary push button and IR Soft

The **HR 100** uses Ersa's revolutionary and patented hybrid rework technology for safe removal and replacement of small SMDs. Safe, medium wave IR radiation combined with a gentle hot-air stream guarantees optimal energy transfer to the component.

The HYBRID TOOL delivers smooth and homogenous heat to components. Interchangeable hybrid adapters direct up to 200 W of targeted hybrid heat to the component - and adjacent areas are protected. The user-friendly operation allows for even non-experienced operators to handle the HR 100 safely and quickly.

The handle of Ersa's ergonomically designed HYBRID TOOL contains a positioning laser which helps the operator to focus the

heat precisely throughout the entire process. Via the USB 2.0 port, the HR 100 can be connected to Ersa's top-of-the-line and well-established IR Soft rework software.

### Order information

Order no.	Description
0IRHR100A-HP	HR 100 hybrid rework system, complete, with HYBRID TOOL (3IRHR100A-01), Vac-Pen vacuum pipette (0VPO20), 3 hybrid adapters, adapter changer, HYBRID TOOL holder and IR heating plate with PCB holder
0IRHR-ST050	Hybrid rework tripod, complete

### Technical data

Station	Rating/Voltage	Heated area	Weight*
HR 100	200 W/230 V, 50 – 60 Hz		4.5 kg
Heating plate	200 W, 800 W/230 V, 50 – 60 Hz	125 x 125 mm	2.5 kg

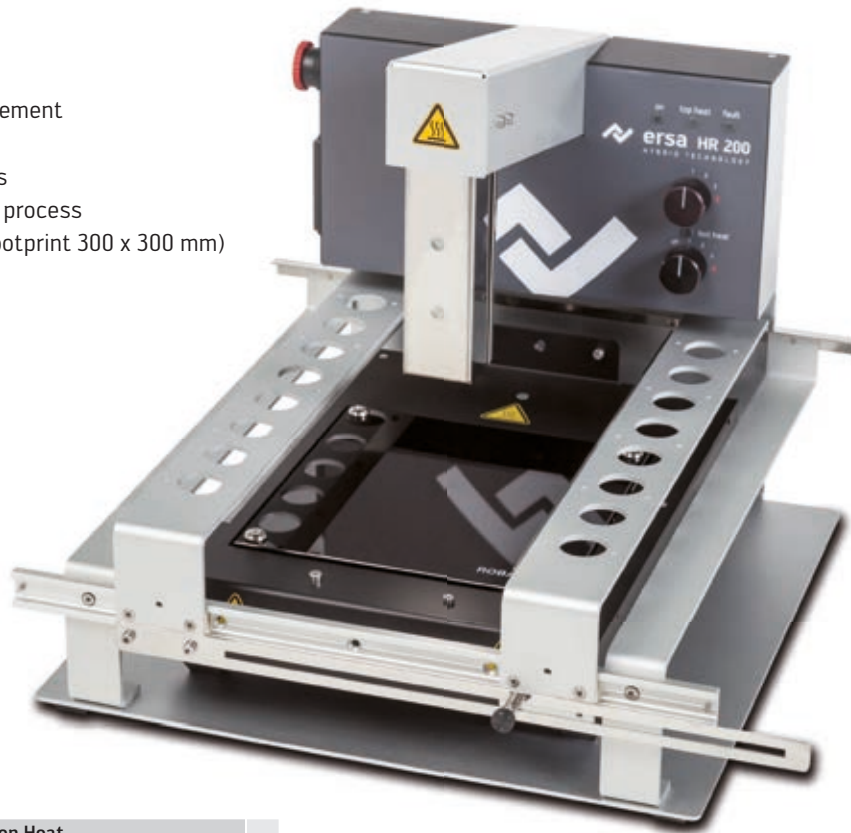
\*without cable

# HR 200

## Rework out of the Box!

### Technical highlights

- 400 W hybrid high-power heating element
- Optional 800 W IR heating plate
- Simple power selection in four levels
- Foot switch to activate the heating process
- Very compact and handy system (footprint 300 x 300 mm)
- Usage without software



### Easy parameter setup:

		Top Heat				Parameters
		smooth		intensive		
Time*		>180 s	180-120 s	120-90 s	90-60 s	
Power level		1	2	3	4	
Bottom Heat	smooth	1	ultra light weight	sensitive bottom side		
	intensive	2	sensitive top side	typical SMT-application		
		3			intensive top	
		4	intensive bottom		heavy duty caution	

\*Expectable soldering time, depending on application an preheating with bottom heater.

### Order information

Order no.	Description
0HR200-HP	HR 200 hybrid rework system with foot switch, positioning laser, PCB holder and heating plate

Unpack, setup, solder! It's as simple as that to rework a PCB nowadays. The Ersa **HR 200** hybrid rework system contains a 400 W hybrid highpower heating element to desolder and solder SMT components up to 30 x 30 mm.

The powerful 800 W infrared heating plate guarantees ideal preheating of the assembly to rework. The operator selects the required power for top and bottom heating

with a control knob, each with four levels. A foot switch activates the heating process. The operator's hands are free to remove the desoldered component with appropriate tools.

Depending on the assembly and the preselected power, a typical soldering time for components can range from 60 to 180 s (1 -3 min). During working breaks, the bottom heater switches back to

standby level. The integrated PCB holder positions the assembly in optimum working distance to top and bottom heater. Ersa recommends an optional cooling fan, a thermocouple sensor and a temperature measuring instrument to complete the workplace. Additional accessories including a Reflow Process Camera to observe the soldering processes round off the equipment.

### Technical data

Station	Rating/Voltage	Heated area	Weight*
HR 200	400 W/230 V, 50 – 60 Hz	30 x 30 mm	3.7 kg
Heating plate	800 W/230 V, 50 – 60 Hz	125 x 125 mm	2.5 kg

\*without cable

# Fume Extraction EASY ARM



GLOBAL. AHEAD. SUSTAINABLE.

# EASY ARM 1 AND EASY ARM 2

For a healthy work environment



## Technical highlights

- Efficient 3-stage particle and gas filtering
- Super silent operation
- Independently adjustable suction power per arm
- Optical and acoustical filter exchange status
- Easy and fast filter exchange – without tools
- Identical filters for EASY ARM 1 and EASY ARM 2

Ersa solder fume extraction **EASY ARM 1** and **EASY ARM 2** stand out by a high suction power and an efficient filter performance combined with super silent operation. Exhaust volume per arm is 100 m<sup>3</sup>/h. Both are equipped with filters that clean the process air in three stages: The pre-filter absorbs dust and big particles. The combined filter separates micro particles which occur during soldering and absorbs dangerous gas molecules in the incorporated activated carbon filter.

The operator can choose between a system with one exhaust arm – the **EASY ARM 1** – and a unit with two exhaust arms – the **EASY ARM 2**. Both units can be mounted individually by means of their table clamp. Exhaust power is set independently for each extraction arm at the touch of a button. The **EASY ARM 1** and **EASY ARM 2** use an identical pre-filter

and combined filter. Optical and acoustical signals inform the operator when filters have to be exchanged.

A wide range of exhaust arms and nozzles for all applications are available so that the user will find the proper solution for his requirements.

For energy saving purposes and to extend filter lifetime, both units can be connected with Ersa i-CON soldering stations or a standby switch. In this way, the extraction unit is only working whilst the attached soldering station is in operation, stopping as soon as the soldering station goes into standby mode.














## Order information

Order no.	Description	Dimensions (L x B x H)	Rating	Volume flow/ Vacuum	Noise level	Filter
OCA10-001	Ersa EASY ARM 1 filter unit, complete, with i-CON C interface	255 x 255 x 470 mm	40 W / 100 – 240 V 50 – 60 Hz	100 m <sup>3</sup> /h max. / 1,800 Pa	max. 50 dB (A)	HEPA activated carbon
OCA10-002	Ersa EASY ARM 2 filter unit, complete, with i-CON C interface	490 x 255 x 470 mm	80 W / 100 – 240 V 50 – 60 Hz	2 x 100 m <sup>3</sup> /h max. / 2 x 1,800 Pa	max. 50 dB (A)	HEPA activated carbon



# ACCESSORIES & SPARE PARTS

## EASY ARM 1 and EASY ARM 2

	Order no.	Description		Order no.	Description
	OCA10-4002	Extraction arm Highflex, 1,000 mm, direct mount at the filter unit		3CA10-9001	Table clamp for EASY ARM 1
	OCA10-4003	Extraction arm Omniflex, 900 mm, direct mount at the filter unit		3CA10-9002	Table clamp for EASY ARM 2
	OCA10-4001	Hinged extraction arm, 500 mm, Highflex, table mount, incl. OCA10-2002		OCA10-1001	Combined filter, particle filter H13, gas filter activated carbon
	OCA10-4004	Hinged extraction arm, 600 mm, Omniflex, table mount, incl. OCA10-2002		OCA10-1002/04	Prefilter, particle filter G4 (4 pcs./packing unit)
	OCA10-2002	Connecting hose, 2,000 mm		3CA10-2003	Interface cable to connect soldering stations with interface
	OCA10-9006	Nozzle coupling Omniflex (only with extraction arms Omniflex and extraction nozzles 5001/5004)		3CA10-2004	Standby switch
	OCA10-5001*	Extraction nozzle, metallic, antistatic, 60 mm ø		OCA10-9004	Appliance coupling
	OCA10-5002	Extraction nozzle, round, ø 118 mm, antistatic		3CA10-9008	Cover lid for exhaust arm connection
	OCA10-5003	Extraction nozzle, rectangular, 155 mm x 90 mm, antistatic		OCA10-4005	Table duct Omniflex incl. OCA10-2002
	OCA10-5004*	Extraction nozzle Plus, 230 mm x 85 mm, transparent		291405	Table duct with extraction arm Omniflex, 600 mm, incl. OCA10-2002
	OCA10-5005*	Extraction nozzle, plastic antistatic, 60 mm ø		290763	Table duct with extraction arm Highflex, 500 mm, incl. OCA10-2002

\*In combination with an Omniflex arm, nozzle coupling Omniflex OCA10-9006 is required.

# Soldering irons and sets



# UNIVERSAL SOLDERING IRONS

## Ersa 30 S and MULTI-TIP

**Ersa 30 S** stands out by its sturdiness and longevity and is available with **30 W** and **40 W**. It can be used in a variety of ways for soldering tasks in handicrafts, service and hobbies. Delivery includes a practical, easy to mount rubber stick-on support disk.

The **MULTI-TIP** irons cover a wide range of applications and stand out by low weight and compact design. The handle stays cool while soldering. The MULTI-TIP is available with 15 W and 25 W and suitable for micro-soldering joints and medium-sized soldering. Internally heated soldering tips and long-life PTC heating elements provide high efficiency and a constant tip temperature.



Ersa 30 S universal soldering iron. Soldering tip series 032 see page 55.



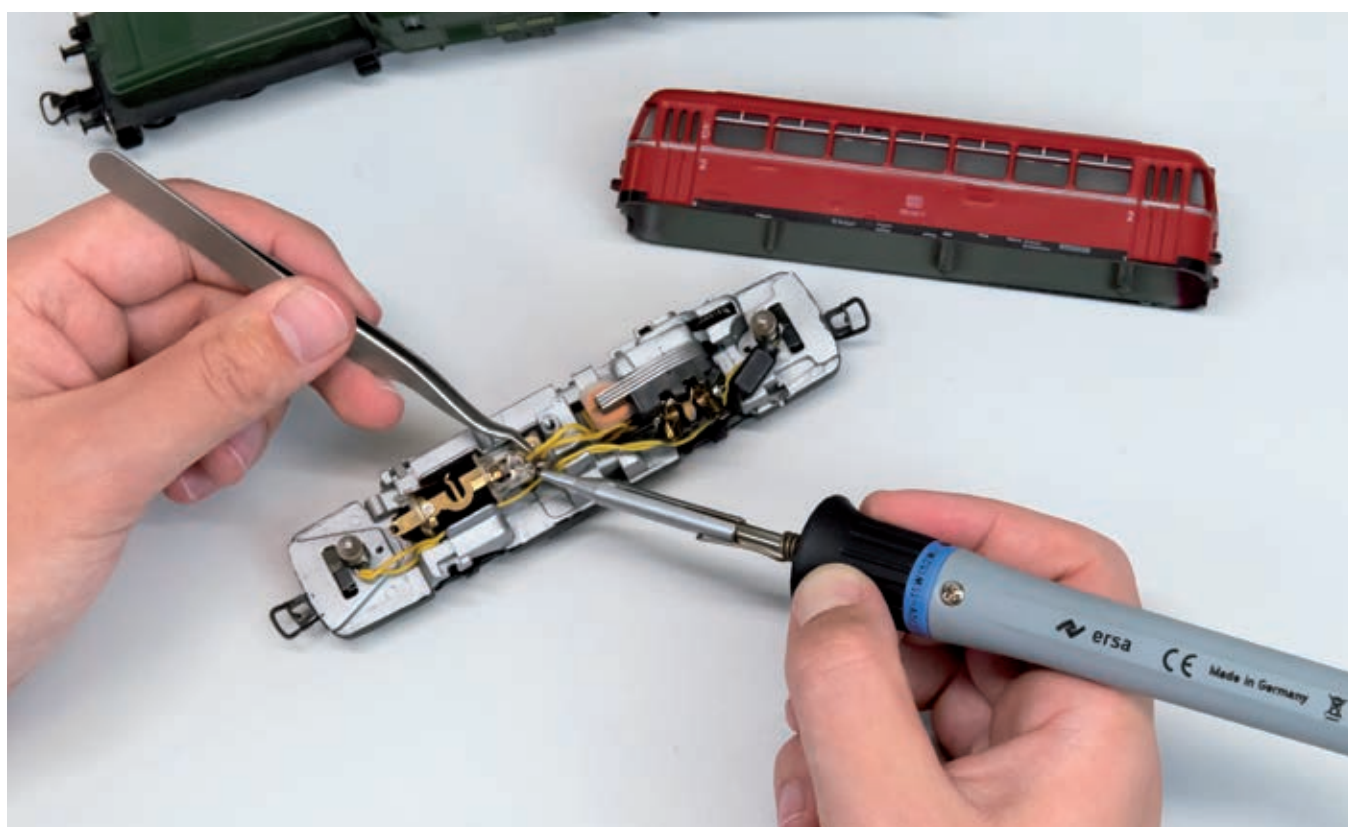
Micro soldering iron MULTI-TIP C15. Soldering tip series 162 see page 54.

Micro soldering iron MULTI-TIP C25. Soldering tip series 172 see page 54.

### Order information

Order no. 230 V	Order no. 115 V	Description/ Rating	ERSADUR tip	Heating element		Heating time	Max. tip temperature	Weight*
				230 V	115 V			
0330KD	1330KDA068	Ersa 30 S soldering iron, 30 W	0032KD	E033100	033100A	approx. 120 s	approx. 380 °C	80 g
0340KD	1340KDA068	Ersa 30 S soldering iron, 40 W	0032KD	E034100	034100A	approx. 120 s	approx. 420 °C	80 g
0910BD	—	MULTI-TIP C15 soldering iron, 15 W	0162BD	E091100	—	approx. 120 s	approx. 350 °C	28 g
0920BD	—	MULTI-TIP C25 soldering iron, 25 W	0172BD	E092100	—	approx. 90 s	approx. 450 °C	34 g

\*without cable



# STANDARD SOLDERING IRONS

## Ersa 50 S, Ersa 80 S and Ersa 150 S

The soldering irons **Ersa 50 S/80 S/150 S** are designed for soldering operations with a greater heat requirement, as, for example, on copper conductors with a cross-section of 2.5 mm<sup>2</sup> (Ersa 50 S, 50 W) to 6 mm<sup>2</sup> (Ersa 150 S, 150 W).

The devices are supplied with an angled soldering tip as standard. Thanks to their elaborate "protective coating", ERSADUR tips have a long service life.

Other areas of application include soldering thin sheet metal and lead glazing (Ersa 150 S).



Standard soldering iron Ersa 50 S. Soldering tip series 052 see page 55.

Standard soldering iron Ersa 80 S. Soldering tip series 082 see page 55.

Standard soldering iron Ersa 150 S. Soldering tip series 152 see page 55.

### Order information

Order no. 230 V	Order no. 115 V	Description/ Rating	ERSADUR tip	Heating element 230 V	Heating element 115 V	Heating time	Max. tip temperature	Weight*
0055JD	1055JDA068	Ersa 50 S soldering iron	0052JD	E005100	005100A	approx. 3 min	approx. 400 °C	160 g
0085JD	1085JDA068	Ersa 80 S soldering iron	0082JD	E008100	008100A	approx. 3 min	approx. 410 °C	220 g
0155JD	1155JDA068	Ersa 150 S soldering iron	0152JD	E015100	015100A	approx. 3 min	approx. 450 °C	245 g

\*without cable

# HIGH-SPEED SOLDERING IRONS

## MULTI-SPRINT solder gun

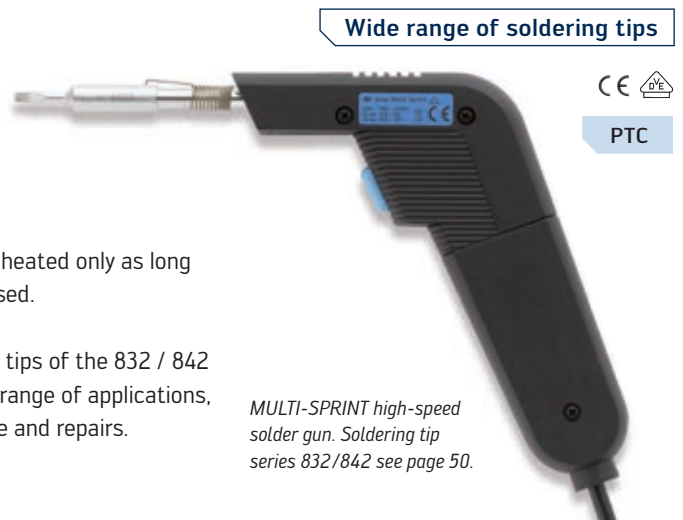
The Ersa **MULTI-SPRINT** is an extremely light, transformer-independent solder gun with a heat-up rating of up to 150 W and an ergonomic design.

In combination with the internally heated ERSADUR longlife soldering tip, the MULTI-SPRINT's PTC (Positive Temperature Coefficient) heating element offers especially high performance. The short heat-up time makes it ideal for high-speed series soldering.

The MULTI-SPRINT is heated only as long as the button is pressed.

The large selection of tips of the 832 / 842 series affords a wide range of applications, and not just in service and repairs.

MULTI-SPRINT high-speed solder gun. Soldering tip series 832/842 see page 50.



### Order information

Order no. 230 V	Order no. 115 V	Description/ Rating	ERSADUR tip	Heating element 230 V	Heating element 115 V	Heating time	Max. tip temperature	Weight*
0960ED	1960EDA068	MULTI-SPRINT solder gun, 150/75 W	0832EDLF	E096100	096100A	approx. 15 s	subject to how long the button is pressed	100 g

\*without cable



# TEMPERATURE CONTROLLED IRONS

## PTC 70 and MULTI-TC



PTC 70 - power soldering iron with temperature control. Soldering tip series 832/842 see page 50.

The Ersa **PTC 70** is a powerful and sturdy universal soldering iron with Ersa RESISTRONIC temperature control. This proven temperature control system together with the ceramic PTC heating element provides

unusually fast heat-up and heat recovery. Due to the accurate temperature control and the wide range of ERSADUR longlife tips of the 832 and 842 series, the PTC 70 is a perfect tool for both very small solder

joints as well as for applications with medium heat requirements. The PTC 70 is supplied with the soldering tip 0832CDLF.

### Order information

Order no.	US version 115 V	Description	With soldering tip	Rating/ Voltage	Heating time	Max. tip temperature	Weight*
0710CD	1710CDA068	PTC 70 soldering iron	0832CDLF, ERSADUR	75 W (350 °C)/ 230 V AC	approx. 34 s (280 °C)	250 – 450 °C	approx. 60 g

\*without cable



MULTI-TC - power soldering iron with temperature control. Soldering tip series 832/842 see page 50.

The Ersa **MULTI-TC** is a powerful, sturdy, temperature-controlled universal soldering iron with a precise temperature sensor located directly under the internally heated soldering tip. This temperature sensor registers the actual temperature in the immediate vicinity of the solder joint. Consequently, the heating system with

internal PTC heating element immediately reacts to the heat loss and recovers very fast.

The high heating efficiency and the large selection of soldering tips serve filigree applications in electronics. The MULTI-TC can also be used for further applications,

for example classical lead glazing and Tiffany soldering.

By dispensing with a heavy transformer and thanks to its heat-resistant connecting cable, the Ersa MULTI-TC is especially suitable for mobile use in service, maintenance and repairs.

### Order information

Order no.	Description	With soldering tip	Rating/ Voltage	Heating time	Max. tip temperature	Weight*
0760CD	MULTI-TC soldering iron	0842CD, ERSADUR	75 W (350 °C) 230 V, 50 – 60 Hz	approx. 34 s (280 °C)	250 – 450 °C	60 g

\*without cable

# GAS SOLDERING IRON

## INDEPENDENT 75



Soldering tip series G072 see page 54.

### INDEPENDENT 75 PROFI-SET

- INDEPENDENT 75 gas soldering iron with soldering tip 0G072KN
- Soldering tips 0G072CN, 0G072AN and 0G072VN
- Flame nozzle 0G072BE
- Hot gas nozzle 0G072HE
- Hot blade 0G072MN
- Deflector 0G072RE to shrink heat-shrinkable sleeves
- Tool holder 0A20
- Cleaning sponge with sponge container 0G157/SB

Mobile power – wherever you want! Powerful, with comprehensive and top-quality equipment, small, handy and practically packed. The Erska **INDEPENDENT 75 BASIC-SET** and **PROFI-SET** gas soldering sets will meet your every need! The ergonomic, antistatic gas soldering iron with piezo ignition is ideal for service and maintenance work, especially if there is no power supply available! The continuously adjustable output of 15 – 75 W (compared with electrical soldering irons) allows maximum soldering tip temperatures

of up to 580 °C. The INDEPENDENT is powered by filtered butane gas. Operating time per gas filling is about 60 min.

Both sets come with a practical carrying case. Besides the standard **BASIC-SET** equipment, the **PROFI-SET** contains two additional soldering tips, a hot blade for cutting high-resistance foam, a hot-gas nozzle, a deflector for heat-shrinkable sleeves and a flame nozzle for micro-welding.



### INDEPENDENT 75 BASIC-SET

- INDEPENDENT 75 gas soldering iron with soldering tip 0G072KN
- Soldering tip 0G072CN
- Holder 0A20
- Cleaning sponge with sponge container 0G157/SB

#### Order information

Order no.	Description	With soldering tip	Rating/ Voltage	Heating time	Max. tip temperature	Weight
0G07400041	INDEPENDENT 75 BASIC-SET gas soldering set	...KN; ...CN	15 – 75 W	approx. 46 s (280 °C)	approx. 580 °C	73 g
0G07400141	INDEPENDENT 75 PROFI-SET gas soldering set	...KN; ...CN; ...AN; ...VN; ...BE; ...HE; ...MN; ...RE	15 – 75 W	approx. 46 s (280 °C)	approx. 580 °C	73 g

# GAS SOLDERING IRON

## INDEPENDENT 130



Soldering tip series G132 see page 54.

### INDEPENDENT 130 PROFI-SET

- INDEPENDENT 130 gas soldering iron with soldering tip OG132KN
- Soldering tips OG132CN, OG132AN and OG132VN
- Flame nozzle OG132BE
- Hot gas nozzle OG132HE
- Hot blade OG132MN
- Deflector OG132RE to shrink heat-shrinkable sleeves
- Cleaning sponge with sponge container OG157/SB

The “big” gas soldering device from Erska, the **INDEPENDENT 130**, can be applied wherever demanding soldering tasks have to be performed without a power supply.

Its broad range of continuously variable **25 – 130 W (compared with electrical soldering irons)** and its comprehensive range of soldering tips allow a wide variety of uses in service, installation, maintenance and repair work.

The integrated piezo ignition and powering by filtered butane gas ensure the easiest possible handling and great reliability. The operating time per gas filling is about 120 minutes, with a maximum tip temperature of about 580 °C.

Like its smaller mate, the INDEPENDENT 75, the INDEPENDENT 130 is also available in both set versions, namely as a **BASIC-SET** or **PROFI-SET**.



### INDEPENDENT 130 BASIC-SET

- INDEPENDENT 130 gas soldering iron with soldering tip OG132KN
- Soldering tip OG132CN
- Holder OA20
- Cleaning sponge with sponge container OG157/SB

#### Order information

Order no.	Description	With soldering tip	Rating/ Voltage	Heating time	Max. tip temperature	Weight
0G13400041	INDEPENDENT 130 BASIC-SET gas soldering set	..KN; ...CN	25 – 130 W	approx. 50 s (280 °C)	approx. 580 °C	121 g
0G13400141	INDEPENDENT 130 PROFI-SET gas soldering set	...KN; ...CN; ...AN; ...VN; ...BE; ...HE; ...MN; ...RE	25 – 130 W	approx. 50 s (280 °C)	approx. 580 °C	121 g

## Accessories and process materials



# TEMPERATURE MEASURING DEVICE

## DTM 110

In certified businesses and from a quality standpoint, regular checks of the soldering tip temperature are obligatory. Ersa soldering stations are extremely temperature-stable over their entire service life.

Possible differences between the set and actual value due to differences in tips or to slight heating element tolerances in the RESISTRONIC control system can be easily ascertained with the **DTM 110** temperature measuring device and corrected easily and fast on nearly all Ersa soldering stations.

Also available  
with calibration  
certificate

The measurement is conducted by cleaning the heated soldering tip and wetting it with new solder. The soldering tip is then put on the sensor wires. As soon as the display has stabilized the temperature is determined.



*The DTM 110 is equipped with a patented sensor unit (K-type) with sensor wires made of chromel and alumel. It provides exact temperatures of even finest soldering tips.*

### Order information

Order no.	Description	Measuring range	Operating temperature	Power supply	Dimensions without sensor unit	Weight*
<b>ODTM110</b>	DTM 110 temperature measuring device	-65 – 1,200 °C	-20 – 50 °C	2 x AA battery, 1.5 V	approx. 108 x 54 x 28 mm	approx. 125 g
<b>ODTM110C</b>	DTM 110 temperature measuring device with factory calibration certificate	-65 – 1,200 °C	-20 – 50 °C	2 x AA battery, 1.5 V	approx. 108 x 54 x 28 mm	approx. 125 g

\*with battery

# VACUUM PIPETTE

## SVP 100



The **SVP 100** vacuum pipette can be used to handle nearly all components, except MELFs and MINI-MELFs. This tool consists of a nickel-plated aluminum handle, sealed at the rear end by a plug.

When opened, replacement tips and suction cups can be stored here.

### Order information

Order no.	Description	Length	ø Housing diameter	ø Cup diameters	Weight
<b>OSVP100</b>	SVP 100 vacuum pipette, complete, with bent tip OSVP12K and 3 silicone cups OSVP13A	150 mm	14 mm	4 mm, 6 mm, 9 mm	60 g

# DESOLDERING DEVICE

## SOLDAPULLT AS 196

The **SOLDAPULLT AS 196** model is distinguished by extremely good recoil damping and has proven its merit many times over in industry. The dual seal ring system guarantees constant suction power on a high level.



SOLDAPULLT AS 196 desoldering device

### Order information

Order no.	Description	Desoldering tips	Suction capacity
0AS196	SOLDAPULLT AS 196 antistatic desoldering device	0LS197	34 cm <sup>3</sup>

# PINCETTE

## 3ZT00165

Components from all areas of electronics, especially SMT technology, can be easily and safely picked and handled with the **3ZT00165** tweezers.

### Order information

Order no.	Description
3ZT00165	Pincette to pick and handle components



# TIP EXCHANGER

## 3ZT00164

For changing all internally heated soldering tips as well as hot-air nozzles, we recommend tip exchanger **3ZT00164** with flat nose pliers and side cutter. These special pliers allow tips to be replaced safely and protectively, even when hot.

### Order information

Order no.	Description
3ZT00164	Tip exchanger



# TIP REACTIVATOR

The TIP REACTIVATOR works already at low temperatures. It is free of lead and halogenes. To reactivate an oxidized tip, heat-up the tip and wipe it on the surface of the regeneration compound.

### Order information

Order no.	Description
0TR01/SB	TIP REACTIVATOR, 15 g can
0TR03/SB	TIP REACTIVATOR, 25 g can



# STACKING RACKS

## STR 200

The Erska **STR 200** stacking rack can be used for combining two i-CON soldering stations at a small footprint. The STR 200 is of antistatic design.



*Stacking racks for a well-organized workplace (delivery without soldering stations)*

### Order information

Order no.	Description
OSTR200	STR 200 stacking rack to arrange the Erska i-CON soldering stations in a safe and space-saving way on the workbench

# SOLDER WIRE DISPENSER

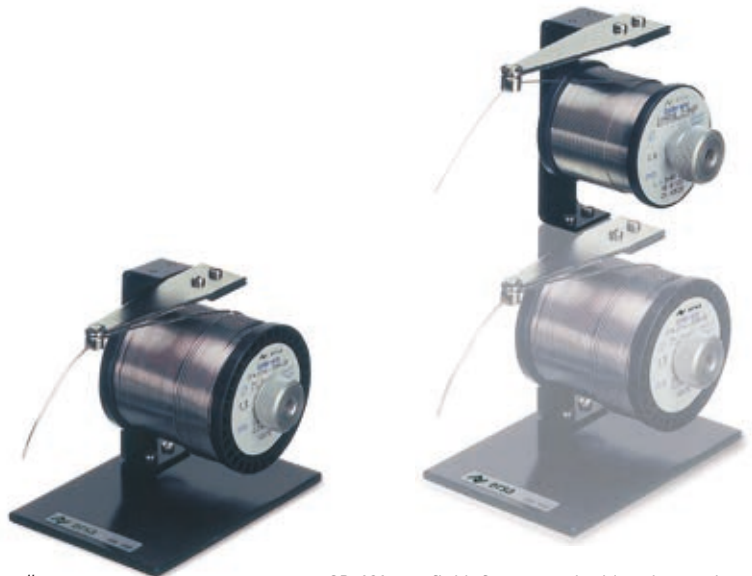
## SR 100

The Erska **SR 100** solder wire dispenser is extremely durable and can accept solder wire reels of up to 1,000 g.

Optimal unwinding of different reels is ensured by a conical centering nut.

The flexibly mounted solder wire guide is suitable for all current solder wire diameters and allows unwinding in the desired direction without having to change the location of the SR 100.

Available as an accessory and easily retrofitted, the Erska SR 101 kit allows simultaneous use of a second spool.



*SR 100 solder wire dispenser (delivery without solder wire)*

*SR 101 retrofit kit for a second solder wire spool, optionally available (delivery without solder wire and SR 100)*

### Order information

Order no.	Description	Solder wire spools	Spool receiver diameter
OSR100	SR 100 solder wire dispenser for one spool	250 g, 500 g, 1,000 g	14 mm
OSR101	Retrofit kit SR 101 for a 2nd spool	250 g, 500 g, 1,000 g	14 mm



# TOOL HOLDERS AND ACCESSORIES

Soldering and desoldering devices are heating devices and, depending on the application, can attain high temperatures during operation. This equipment must never be operated without supervision;

during longer interruptions of work they should be switched off and always be stored in suitable tool holders. Most of the **Ersa tool holders** are made of metal or heat-resistant duroplastic, and

most are antistatic. Most holders have a viscose or brass wool for tip cleaning, as well as options for conveniently resting and storing soldering and desoldering tips.

## TOOL HOLDERS & CLEANING SPONGES

	Order no.	Description		Order no.	Description
	0A04	Tool holder for soldering irons from 50 W – 150 W output; ISOTYP and 0185PZ soldering irons		0A56	Tool holder for X-TOOL VARIO desoldering iron
	0A05	Universal tool holder for medium-sized and small soldering irons		0A57	Tool holder for i-TOOL HP soldering iron
	0A08MSET	Brass wool 0008M/SB with container for dry cleaning of soldering tips		0A58	<b>TIP'N'TURN</b> Tip'n'Turn holder, antistatic, for i-TOOL TRACE, i-TOOL PICO MK2, i-TOOL NANO MK2 and i-TOOL MK2 soldering irons
	0A17	Tool holder for soldering irons from 200 W to 550 W		0A59	Tool holder for i-TOOL MK2, i-TOOL NANO MK2 soldering irons
	0A18	Tool holder for soldering irons of the MULTI-TIP series; TIP 260 soldering iron		0A60	Tool holder for i-TOOL PICO MK2 soldering iron
	0A20	Tool holder for gas soldering irons INDEPENDENT 75 and INDEPENDENT 130		3N194/SB	Rubber support disk for MULTI-TIP, MULTI-PRO, Ersa 30 S soldering irons
	0A39	Tool holder for RT 80 soldering iron		0G157/SB	Sponge container with sponge for INDEPENDENT 75 and INDEPENDENT 130 gas soldering irons
	0A42	Tool holder for TIP TOOL, POWER TOOL, ERGO TOOL, MICRO TOOL and TECH TOOL soldering irons		0009/SB	Splash guard for 0A58 tool holder
	0A43	Tool holder for CHIP TOOL desoldering tweezers		0003B/SB	Viscose sponge, blue, 55 x 55 mm, for tool holders 0A09, 10, 13, 16, 24, 25, 28, 29, 30, 34, 35, 36, 39, 41 – 45, 48
	0A45	Universal holder for 832 tip series (C8 – C18, MD, QD, ZD models), solder wire feed unit and solder fume extraction		0004G/SB	Viscose sponge, 34 x 65 mm for tool holders 0A05, 0A21, 0A26 and 0A58
	0A54	Tool holder for CHIP TOOL VARIO desoldering tweezers		0008M/SB	Brass wool, single piece packaging (pack of 10: 0008M/10)
	0A55	Tool holder for i-TOOL AIR S hot air iron	 Check out our Ersa Webshop		



# TIP HOLDER

## SH 11

The tip holder can be equipped with the latest solderint tips or desoldering tip pairs, in particular for SMD technology. In this way, tips can be stored neatly arranged in a space-saving way for quick access.



**Discontinued product.**  
Available while  
stocks last.

*Tip holder 0SH11 with  
adapter (delivery without  
tips).*

### Order information

Order no.	Description	Suitable for ERSADUR soldering tips	Suitable for ERSADUR desoldering tips
0SH11	SH 11 tip holder, unequipped	0102PDLF04, ...PDLF10, ...CDLF24, ...WDLF23, ...ADLF40, ...SDLF06L, tip fastener for i-TOOL 3IT1040-00	0742ED0819H, ...1023H, ...1225H, 0462SDLF002 and 0462CDLF018, hot-air nozzles 0472BR, ...CR, ...DR and ...ER

# SOLDER WIRE

Ersa **solder wire** consists exclusively of high-quality raw materials. Manufactured on state-of-the-art machines, the wire meets all quality requirements. It is manufactured in different dimensions and with different alloys, to meet all practical requirements. Different types of "flux cores" allow individual adaptation to all soldering needs, especially in electronics and the electronic industry.

Please refer to the Ersa webshop for a detailed list including wire diameters, further information and order numbers.



*Available in different alloys and drum sizes  
in order to meet various fields of application.*

### Order information

Solder alloy according to DIN EN 29453	Flux according to DIN EN ... ...% flux share	Melting temperature
Sn96.5Ag3.0Cu0.5	29453, J-STD-004A/EN61190-1-1: ROL0, halogen-free, 3.5%	217 °C
Sn96.5Ag3.0Cu0.5	29453, J-STD-004A/EN61190-1-1: RELO, halogen-free, 1.6%	217 °C – 219 °C
Low-residue, halogen-free No-Clean solder wire. Especially adapted to the requirements in electronic production. The flux stands out by high temperature resistance, and it does not spray while melting. The light, solid flux residues are neither corrosive nor electrically conductive. Consequently it is not necessary to remove them from the solder joint.		
Sn60Pb40	29453, J-STD-004A/ EN61190-1-1: RELO, 1.4%	183 °C – 190 °C
Sn63Pb37	29453, J-STD-004A/EN61190-1-1: ROL0, halogen-free, 0.9%	183 °C

Subject to changes

# DESOLDERING WICKS

Ersa **desoldering wicks** are saturated with halogen-free No-Clean flux. They are suitable for protectively removing excess solder and old solder, especially from boards carrying SMD components. A fine

copper fabric with high capillary power ensures optimal desoldering results. The additional use of a flux cream may be appropriate under certain circumstances.



## Order information

Order no.	Description	Package size*
0WICKNC1.5/10	No-Clean wick, length 1.5 m, width 1.5 mm	10 pcs.
0WICKNC2.2/10	No-Clean wick, length 1.5 m, width 2.2 mm	10 pcs.
0WICKNC2.7/10	No-Clean wick, length 1.5 m, width 2.7 mm	10 pcs.
0WICKNC4.9/10	No-Clean wick, length 1.5 m, width 4.9 mm	10 pcs.

\*single-piece package.also available

# FLUX AND FLUX REMOVERS



Ersa No-Clean flux creams available in different quantities



FLUX-REMOVER



FLUX-PEN

Ersa **No-Clean flux and flux cream** have proven their merit especially in all repair processes in SMD technology. Like all Ersa consumables, they meet the appli-

cable standards and quality requirements. They can easily and precisely be applied by means of the FLUX-PEN or cartridge, supplied with plunger and needle.

Excess residue is removed, if necessary, by means of the FLUX-REMOVER with the aid of absorbent, non-pulping paper towels or specially offered ESD-safe products.

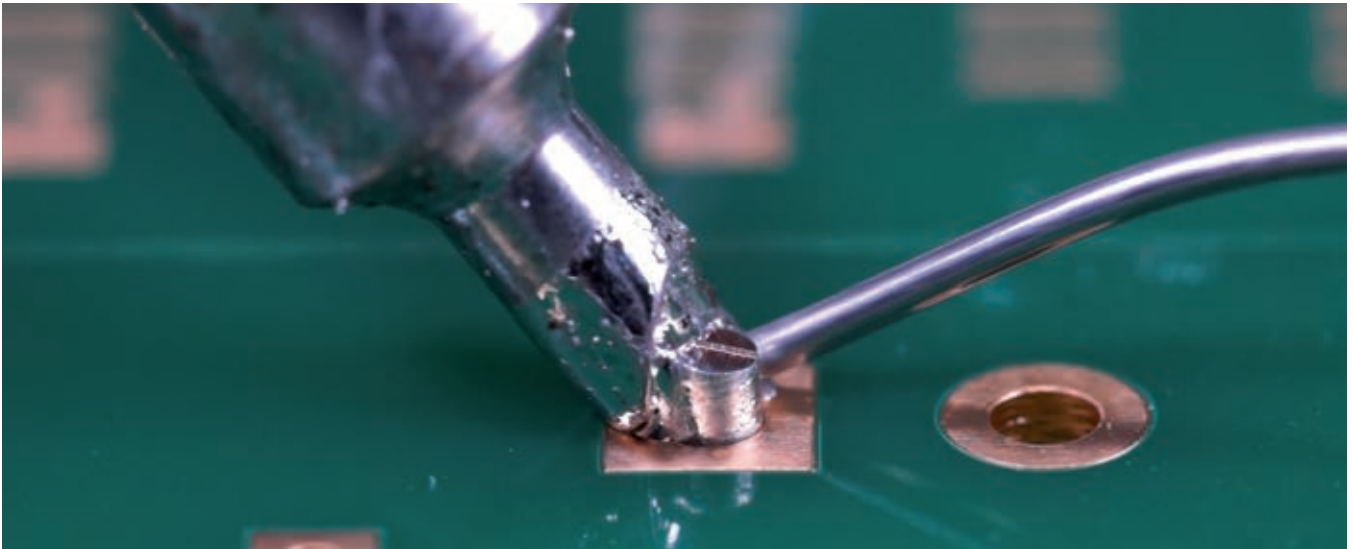
## Order information

Order no.	Description	Quantities	Danger sign
0FMKANC32-005	No-Clean flux cream, EN 29454/1.1.3 C	5 ml cartridge	05; 07
0FMKANC32-200	No-Clean flux cream, EN 29454/1.1.3 C	200 ml can	05; 07
4FMJF8300-005	Flux gel 8300 for rework, EN 29454-1/1.2.3 C (F-SW33), resinous, halogen-free, low residues	5 ml cartridge	07
4FMJF8300-030	Flux gel 8300 for rework, EN 29454-1/1.2.3 C (F-SW33), resinous, halogen-free, low residues	30 ml cartridge	07
0FMPEN	FLUX-PEN without flux		
4FMJF8001-PEN	FLUX-PEN with IF 8001 flux, EN 29454/2.2.3 A (F-SW 34/DIN 8511)	7 ml	02; 08
0FMIF8001-001	IF 8001 flux, EN 29454/2.2.3 A	100 ml	02; 08
4FMJF6000-PEN	FLUX-PEN with IF 6000 flux, for lead-free rework, EN 29454/1.1.3 A, solid 7.5 %	7 ml	02; 07
0FMIF6000-001	IF 6000 flux for lead-free rework, EN 29454/1.1.3.A (F-SW 32), resinous, halogen-free, long activation time, low residues, solid 7.5 %	100 ml	02; 07
0FMIF2005-002	IF 2005 M low-solid No-Clean flux EN 29454/2.2.3 A	200 ml sprayer	02; 07; 08
0FR400	FLUX-REMOVER (0FR400), with brush 0FR202 and protective cap 0FR203	400 ml cartridge	02; 07; 09



# Soldering and desoldering tips



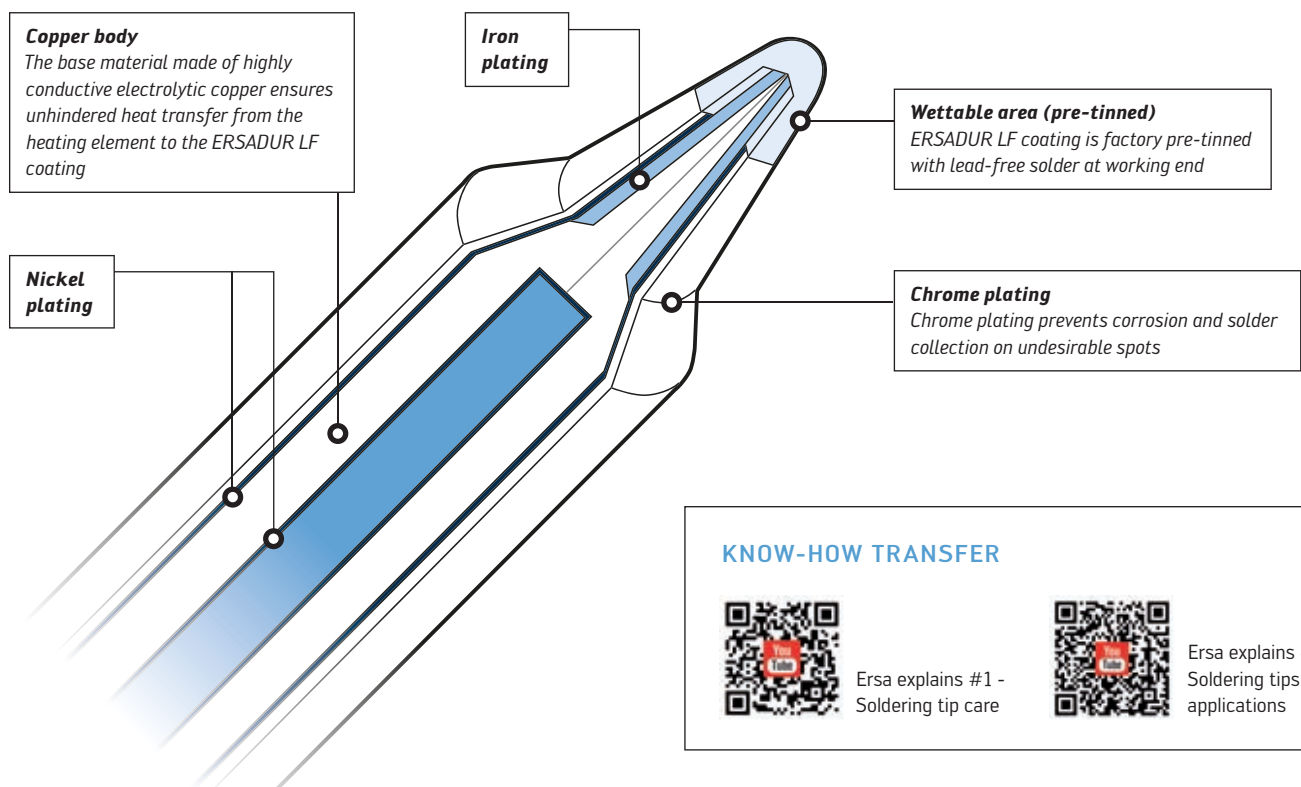


# ERSADUR

## Longlife soldering tips

The soldering tip is the “heart” of the soldering iron. Its job is to transfer the heat from the heating element via the solder to the solder joint. Depending on the soldering iron and the application, different types of tips are available. Prerequisites for good solder joints are a correct tip shape, perfect heat transfer, an excellent condition of the tip and a reliable stability. In addition, the soldering tip also has to convey the necessary amount of sensitivity back to the operator.

ERSADUR longlife tips are designed for continuous operation and for high-quality results. They are galvanically plated with an iron coating and protected against corrosion and oxidation by an additional chrome layer. This manufacturing process was developed and is used exclusively by Erska. The ERSADUR tips’ perfect thermal conductivity protects the heating element from overheating and premature wear. Erska offers a comprehensive range of soldering and desoldering tips for the diverse requirements.



# Professional tip care

## for optimal soldering quality and a long tip life

In the field of hand soldering, a long tip lifetime with continuously good soldering results is essential for the users. Oxidized soldering tips can only slowly melt the solder, which decreases productivity. A soldering tip needs care in order to ensure an efficient process. Dry cleaning of soldering tips offers substantial advantages. The

tips are not cooled abruptly and contaminated tips resulting from dirty sponges are avoided. Due to the slightly abrasive properties of the special wire mesh, passive layers that accumulated on the tip can easily be removed. Tip life is thus increased considerably in lead-free hand soldering.

### Dry cleaning with metal wool

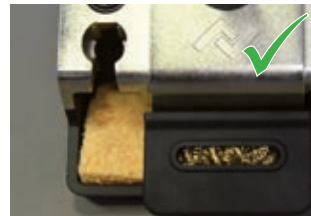


340 – 360 °C for lead-free solder



Remove dirty metal wool and empty the solder collecting box

### Cleaning with damp sponge



Sponge (0003B) must be damp



Carefully wipe off tip



Just stick soldering tip into dry cleaner and turn



Add new solder after cleaning



DAMP – NOT WET!



Immediately add new solder

## PRODUCTS FOR TIP CARE



### Ersa brass wool

The Ersa brass wool (order no. 0008M/SB\*, 0008M/10\*) is an alternative to the wet sponge and can be beneficial, especially in lead-free soldering.



### Service tool for X-TOOL VARIO

Service tool for tip exchange and cleaning of the X-TOOL VARIO desoldering iron (order no. E074600).



### Cleaning kit for tip series 742H (X-TOOL VARIO)

The cleaning kit includes the fitting drill bits for the tips of the 742H series to remove residues in the suction channel of the tip (order no. E074700).



### Cleaning brush

Brush with brass bristles for gentle tip cleaning (order no. 3ZT00051). It can also be used to clean heating elements.

\*SB = single piece packaging, /10 = 10 pcs. per packing unit

# SERIES 142 ERSADUR LONGLIFE SOLDERING TIPS

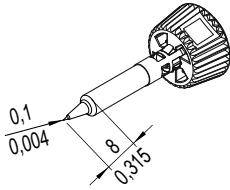
**TIP'N'TURN**



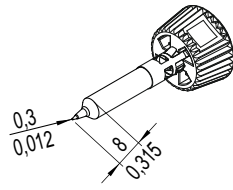
tip identification  
by QR code

■ i-CON TRACE with i-TOOL TRACE soldering iron, all i-CON MK2 stations with i-TOOL MK2, i-TOOL NANO MK2 or i-TOOL PICO MK2 soldering iron

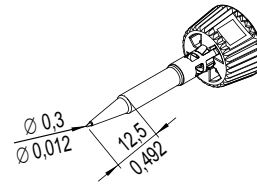
**0142PDLF01/SB**  
pencil point, recessed, 0.1 mm  $\varnothing$



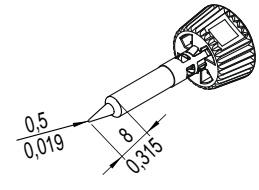
**0142PDLF03/SB**  
pencil point, recessed, 0.3 mm  $\varnothing$



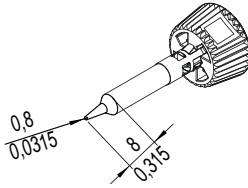
**0142PDLF03L/SB**  
pencil point, extended, 0.3 mm  $\varnothing$



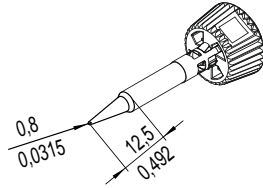
**0142PDLF05/SB**  
pencil point, 0.5 mm  $\varnothing$



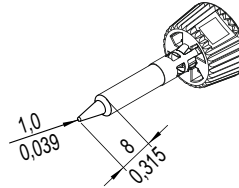
**0142PDLF08/SB**  
pencil point, 0.8 mm  $\varnothing$



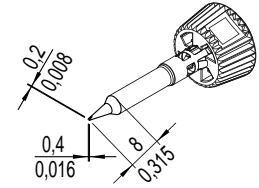
**0142PDLF08L/SB**  
pencil point, extended, 0.8 mm  $\varnothing$



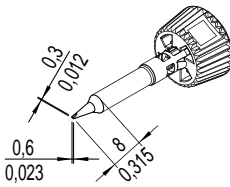
**0142PDLF10/SB**  
pencil point, 1.0 mm  $\varnothing$



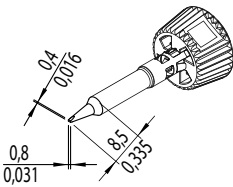
**0142CDLF04/SB**  
chisel-shaped, 0.4 mm



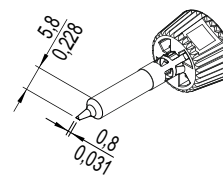
**0142CDLF06/SB**  
chisel-shaped, 0.6 mm



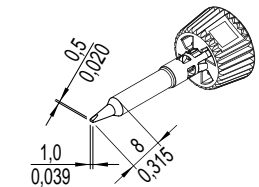
**0142CDLF08/SB**  
chisel-shaped, 0.8 mm



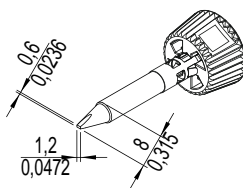
**0142CDLF08A/SB**  
chisel-shaped, asymmetric, 0.8 mm



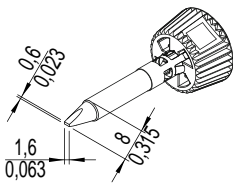
**0142CDLF10/SB**  
chisel-shaped, 1.0 mm



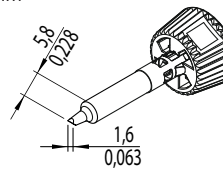
**0142CDLF12/SB**  
chisel-shaped, 1.2 mm



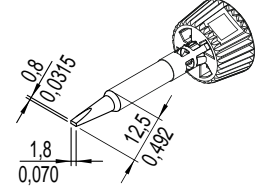
**0142CDLF16/SB**  
chisel-shaped, 1.6 mm



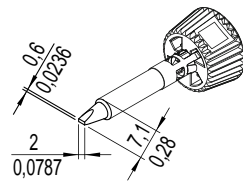
**0142CDLF16A/SB**  
chisel-shaped, asymmetric, 1.6 mm



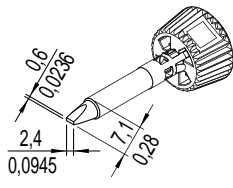
**0142CDLF18L/SB**  
chisel-shaped, extended, 1.8 mm



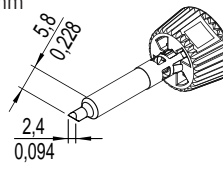
**0142CDLF20/SB**  
chisel-shaped, 2.0 mm



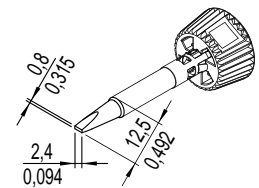
**0142CDLF24/SB**  
chisel-shaped, 2.4 mm



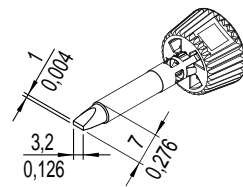
**0142CDLF24A/SB**  
chisel-shaped, asymmetric, 2.4 mm



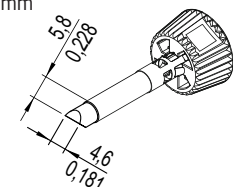
**0142CDLF24L/SB**  
chisel-shaped, extended, 2.4 mm



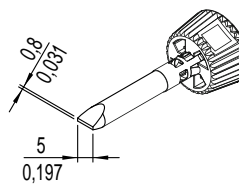
**0142CDLF32/SB**  
chisel-shaped, 3.2 mm



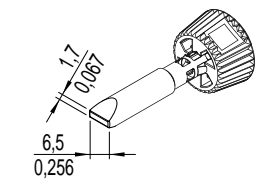
**0142CDLF46A/SB**  
chisel-shaped, asymmetric, 4.6 mm



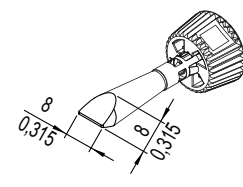
**0142CDLF50/SB**  
chisel-shaped, 5.0 mm



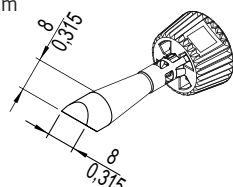
**0142CDLF65/SB**  
chisel-shaped, 6.5 mm



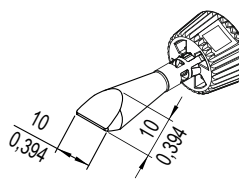
**0142CDLF080/SB**  
chisel-shaped, 8.0 mm



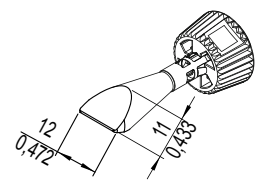
**0142CDLF80A/SB**  
chisel-shaped, asymmetric, 8 mm



**0142CDLF100/SB**  
chisel-shaped, 10.0 mm



**0142CDLF120/SB**  
chisel-shaped, 12.0 mm



Dimensions without pre-tinning. Subject to technical changes.

# SERIES 142 ERSADUR LONGLIFE SOLDERING TIPS

**TIP'N'TURN**

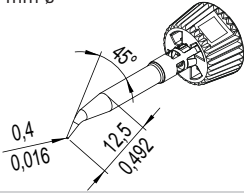


tip identification  
by QR code

■ i-CON TRACE with i-TOOL TRACE soldering iron, all i-CON MK2 stations with i-TOOL MK2, i-TOOL NANO MK2 or i-TOOL PICO MK2 soldering iron

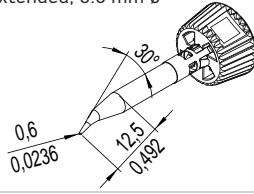
**0142SDLF04L/SB**

pencil point, bent, extended,  
0.4 mm  $\varnothing$



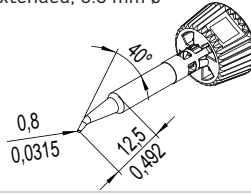
**0142SDLF06L/SB**

pencil point, bent,  
extended, 0.6 mm  $\varnothing$



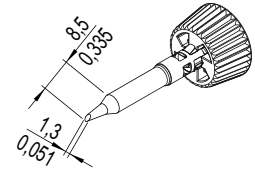
**0142SDLF08L/SB**

pencil point, bent,  
extended, 0.8 mm  $\varnothing$



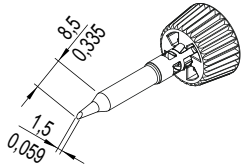
**0142ADLF13/SB**

angled face, 1.3 mm  $\varnothing$



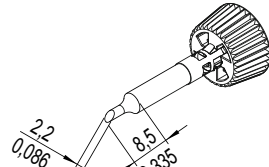
**0142ADLF15/SB**

angled face, 1.5 mm  $\varnothing$



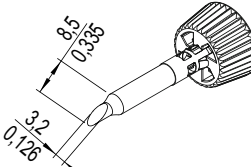
**0142ADLF22/SB**

angled face, 2.2 mm  $\varnothing$



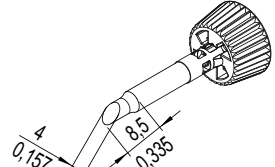
**0142ADLF32/SB**

angled face, 3.2 mm  $\varnothing$



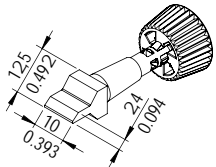
**0142ADLF40/SB**

angled face, 4.0 mm  $\varnothing$



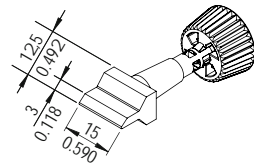
**0142ZDLF100/SB**

WICK-TIP, 10.0 mm



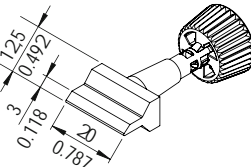
**0142ZDLF150/SB**

WICK-TIP, 15.0 mm



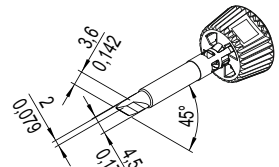
**0142ZDLF200/SB**

WICK-TIP, 20.0 mm



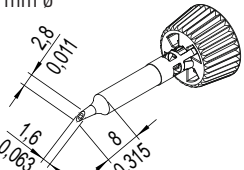
**0142BDLF20/SB**

PLCC blade



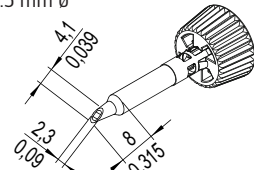
**0142WDLF16/SB**

PowerWell with concave portion,  
1.6 mm  $\varnothing$



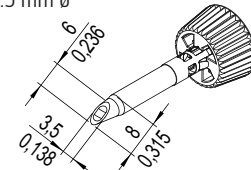
**0142WDLF23/SB**

PowerWell with concave portion,  
2.3 mm  $\varnothing$



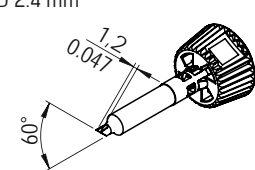
**0142WDLF35/SB**

PowerWell with concave portion,  
3.5 mm  $\varnothing$



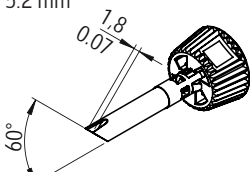
**0142YDLF1224/SB**

slotted, angled face, ID 1.2 mm,  
OD 2.4 mm



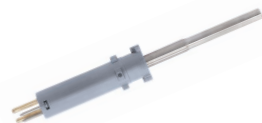
**0142YDLF1852/SB**

slotted, angled face, ID 1.8 mm,  
OD 5.2 mm



**014100J**

Heating element for  
i-TOOL PICO MK2, i-TOOL TRACE,  
24 V, 150 W



**016100J**

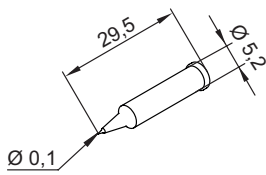
Heating element for  
TOOL NANO MK2, i-TOOL MK2,  
24 V, 150 W



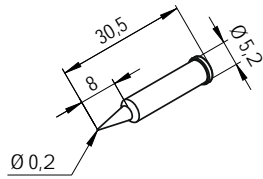
# SERIES 102 ERSADUR LONGLIFE SOLDERING TIPS

■ All i-CON stations with i-TOOL, i-TOOL NANO or i-TOOL PICO soldering iron

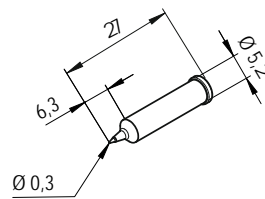
**0102PDLF01/SB**  
pencil point, recessed, 0.1 mm  $\varnothing$



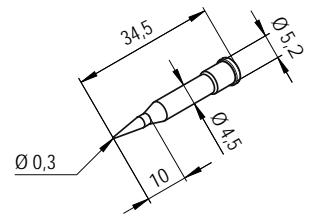
**0102PDLF02/SB**  
pencil point, 0.2 mm  $\varnothing$



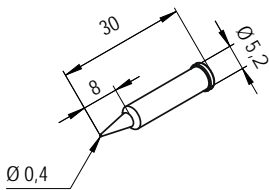
**0102PDLF03/SB**  
pencil point, recessed, 0.3 mm  $\varnothing$



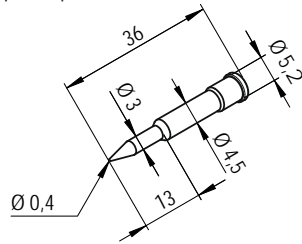
**0102PDLF03L/SB**  
pencil point, extended, 0.3 mm  $\varnothing$



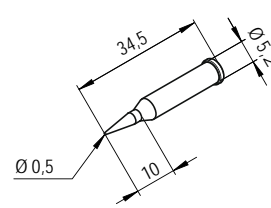
**0102PDLF04/SB**  
pencil point, 0.4 mm  $\varnothing$



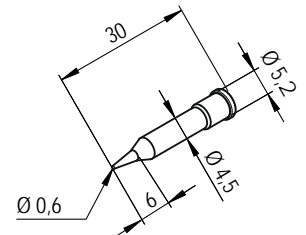
**0102PDLF04L/SB**  
pencil point, extended, 0.4 mm  $\varnothing$



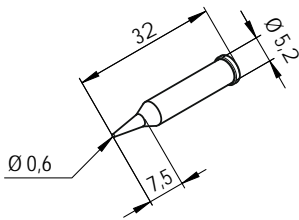
**0102PDLF05L/SB**  
pencil point, extended, 0.5 mm  $\varnothing$



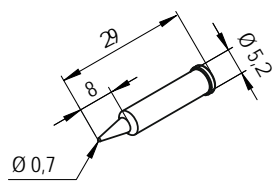
**0102PDLF06/SB**  
pencil point, extended, 0.6 mm  $\varnothing$



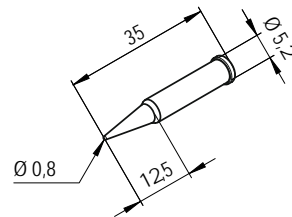
**0102PDLF06L/SB**  
pencil point, extended, 0.6 mm  $\varnothing$



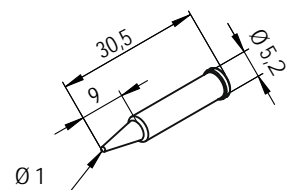
**0102PDLF07/SB**  
pencil point, 0.7 mm  $\varnothing$



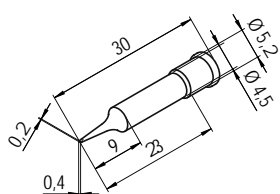
**0102PDLF08L/SB**  
pencil point, extended, 0.8 mm  $\varnothing$



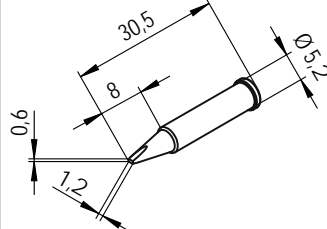
**0102PDLF10/SB**  
pencil point, 1.0 mm  $\varnothing$



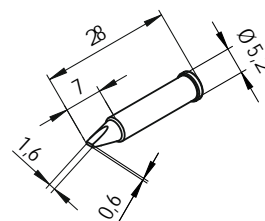
**0102CDLF04/SB**  
chisel-shaped, 0.4 mm



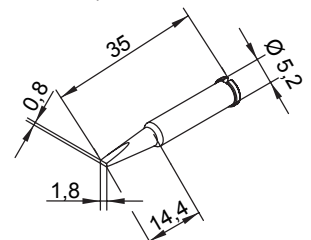
**0102CDLF12/SB**  
chisel-shaped, 1.2 mm



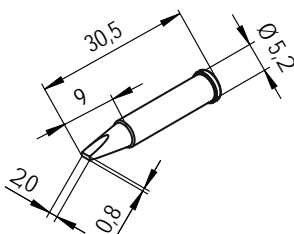
**0102CDLF16/SB**  
chisel-shaped, 1.6 mm



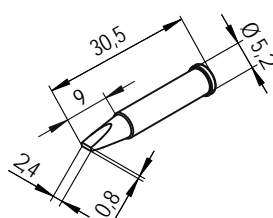
**0102CDLF18L/SB**  
chisel-shaped, extended, 1.8 mm



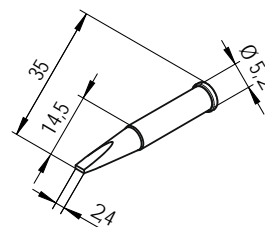
**0102CDLF20/SB**  
chisel-shaped, 2.0 mm



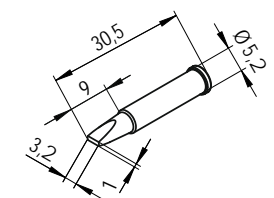
**0102CDLF24/SB**  
chisel-shaped, 2.4 mm



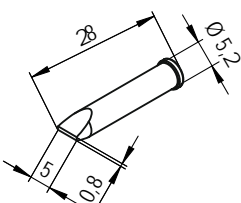
**0102CDLF24L/SB**  
chisel-shaped, 2.4 mm



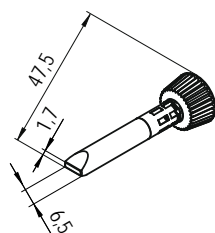
**0102CDLF32/SB**  
chisel-shaped, 3.2 mm



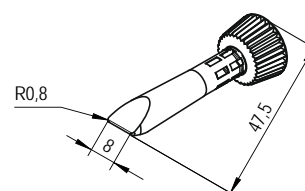
**0102CDLF50/SB**  
chisel-shaped, 5.0 mm



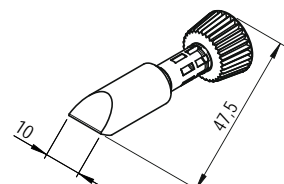
**0102CDLF65/SB**  
chisel-shaped, 6.5 mm



**0102CDLF080C/SB**  
chisel-shaped, conical, 8.0 mm



**0102CDLF100/SB**  
chisel-shaped, 10.0 mm



Dimensions without pre-tinning. Subject to technical changes.



# SERIES 102 ERSADUR LONGLIFE SOLDERING TIPS

■ All i-CON stations with i-TOOL, i-TOOL NANO or i-TOOL PICO soldering iron



**010102J** - Heating element for i-TOOL NANO, i-TOOL, 24 V, 150 W

<p><b>0102CDLF100C/SB</b> chisel-shaped, conical, 10.0 mm</p>	<p><b>0102CDLF120C/SB</b> chisel-shaped, conical, 12.0 mm</p>	<p><b>0102CDLF200/SB</b> angled face, 20.0 mm</p>	<p><b>0102SDLF04/SB</b> pencil point, bent, 0.4 mm <math>\phi</math></p>
<p><b>0102SDLF06/SB</b> pencil point, bent, 0.6 mm <math>\phi</math></p>	<p><b>0102SDLF06L/SB</b> pencil point, bent, extended, 0.6 mm <math>\phi</math></p>	<p><b>0102SDLF08L/SB</b> pencil point, bent, extended, 0.8 mm <math>\phi</math></p>	<p><b>0102SDLF18/SB</b> chisel-shaped, bent, 1.8 mm <math>\phi</math></p>
<p><b>0102ADLF13/SB</b> angled face, 1.3 mm <math>\phi</math></p>	<p><b>0102ADLF15/SB</b> angled face, 1.5 mm <math>\phi</math></p>	<p><b>0102ADLF20/SB</b> angled face, 2.0 mm <math>\phi</math></p>	<p><b>0102ADLF40/SB</b> angled face, 4.0 mm <math>\phi</math></p>
<p><b>0102ZDLF100/SB</b> WICK-TIP, 10.0 mm</p>	<p><b>0102ZDLF150/SB</b> WICK-TIP, 15.0 mm</p>	<p><b>0102ZDLF200/SB</b> WICK-TIP, 20.0 mm</p>	<p><b>0102BDLF20/SB</b> PLCC blade</p>
<p><b>0102WDLF16/SB</b> PowerWell with concave portion, 1.6 mm <math>\phi</math></p>	<p><b>0102WDLF23/SB</b> PowerWell with concave portion, 2.3 mm <math>\phi</math></p>	<p><b>0102WDLF35/SB</b> PowerWell with concave portion, 3.5 mm <math>\phi</math></p>	<p><b>0102CDLF24A/SB</b> chisel-shaped, asymmetric, 2.4 mm</p>
<p><b>0102CDLF46A/SB</b> chisel-shaped, asymmetric, 4.6 mm</p>	<p><b>0102CDLF80A/SB</b> chisel-shaped, asymmetric, 8.0 mm</p>	<p><b>0102YDLF1224/SB</b> slotted, angled face, ID 1.2 mm, OD 2.4 mm</p>	<p><b>0102YDLF1852</b> slotted, angled face, ID 1.8 mm, OD 5.2 mm</p>

Dimensions without pre-tinning. Subject to technical changes.

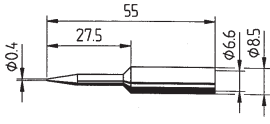
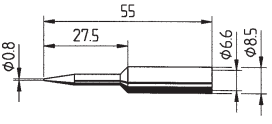
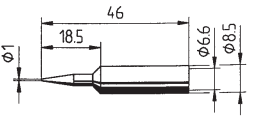
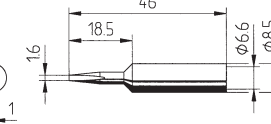
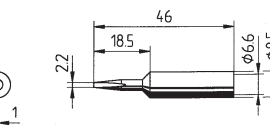
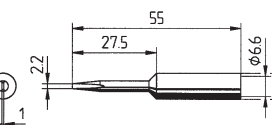
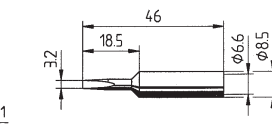
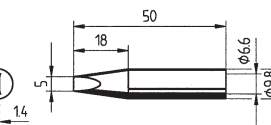
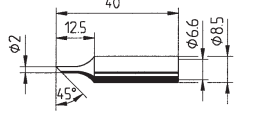
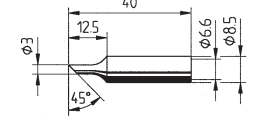
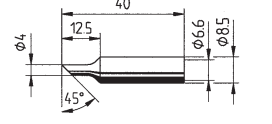
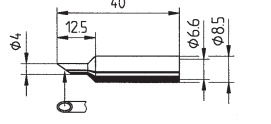
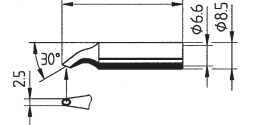
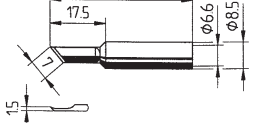


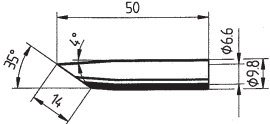
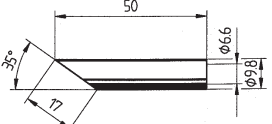
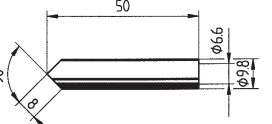
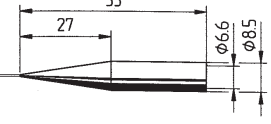
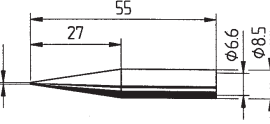
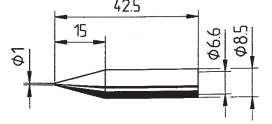
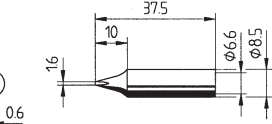
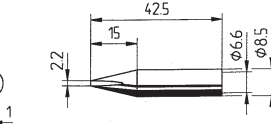
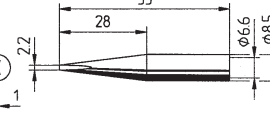
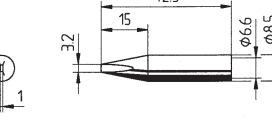
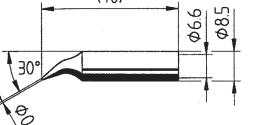
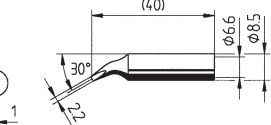
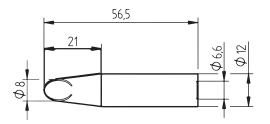
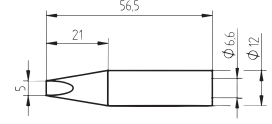

# SERIES 832, 842 & 852 ERSADUR LONGLIFE SOLDERING TIPS

- ANALOG 60/60 A
- ANALOG 80/80 A
- DIGITAL 80 A

- DIGITAL 2000 A with POWER TOOL
- ELS 8000/M/D
- Ersa 15+ / 25+ / 35+

- MICRO-CON 60 iA with POWER TOOL
- MS 6000 / MS 8000/D
- MULTI-PRO/MULTI-SPRINT

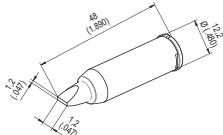
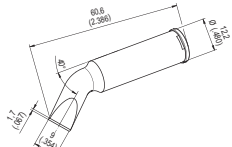
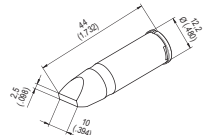
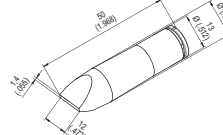
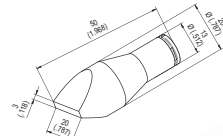
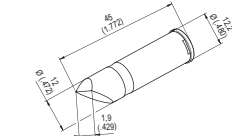
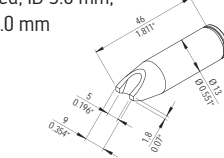


- MULTI-TC/PTC 70
- RDS 80
- TWIN 80 A with ERGO TOOL

<p><b>0832UD/SB, 0832UDLF/SB</b> pencil point, extended, 0.4 mm <math>\emptyset</math></p> 	<p><b>0832SD/SB, 0832SDLF/SB</b> pencil point, extended, 0.8 mm <math>\emptyset</math></p> 	<p><b>0832BD/SB, 0832BDLF/SB</b> pencil point, 1.0 mm <math>\emptyset</math></p> 	<p><b>0832YD/SB, 0832YDLF/SB</b> chisel-shaped, 1.6 mm</p> 
<p><b>0832CD/SB, 0832CDLF/SB</b> chisel-shaped, 2.2 mm</p> 	<p><b>0832KD/SB, 0832KDLF/SB</b> chisel-shaped, extended, 2.2 mm.</p> 	<p><b>0832ED/SB, 0832EDLF/SB</b> chisel-shaped, 3.2 mm</p> 	<p><b>0832VD/SB, 0832VDLF/SB</b> chisel-shaped, 5.0 mm</p> 
<p><b>0832FDLF/SB</b> angled face, 2.0 mm</p> 	<p><b>0832TDLF/SB</b> angled face, 3.0 mm <math>\emptyset</math></p> 	<p><b>0832NDLF/SB</b> angled face, 4.0 mm <math>\emptyset</math></p> 	<p><b>0832PW/SB</b> PowerWell with concave portion</p> 
<p><b>0832HD/SB</b> SolderWell with concave portion bent</p> 	<p><b>0832AD/SB</b> PLCC blade, 1.5 mm</p> 	<p><b>0832WD/SB</b> chisel-shaped, bent, 2.5 mm</p> 	<p><b>0832RD/SB</b> chisel-shaped, bent, 5.0 mm</p> 
<p><b>0832GDLF/SB</b> angled face, 14 mm, 35°</p> 	<p><b>0832LDLF/SB</b> angled face, 17 mm, 35°</p> 	<p><b>0832MDLF/SB</b> angled face both sides, 8 mm</p> 	<p><b>0842UD/SB, 0842UDLF/SB</b> pencil point, extended, 0.4 mm <math>\emptyset</math></p> 
<p><b>0842SD/SB, 8042SDLF/SB</b> pencil point, extended, 0.8 mm <math>\emptyset</math></p> 	<p><b>0842BD/SB, 0842BDLF/SB</b> pencil point, 1.0 mm <math>\emptyset</math></p> 	<p><b>0842YD/SB, 0842YDLF/SB</b> chisel-shaped, 1.6 mm</p> 	<p><b>0842CD/SB, 0842CDLF/SB</b> chisel-shaped, 2.2 mm</p> 
<p><b>0842KD/SB, 0842KDLF/SB</b> chisel-shaped, extended, 2.2 mm</p> 	<p><b>0842ED/SB, 0842EDLF/SB</b> chisel-shaped, 3.2 mm</p> 	<p><b>0842ID/SB</b> pencil point, bent, 0.4 mm <math>\emptyset</math></p> 	<p><b>0842JD/SB</b> chisel-shaped, bent, 2.2 mm</p> 
<p><b>0852GD/SB</b> angled face, 8.0 mm</p> 	<p><b>0852VD/SB</b> chisel-shaped, 5.0 mm</p> 	<p><b>084100J</b> Heating element for POWER TOOL, 24 V, 80 W</p> 	

Dimensions without pre-tinning. Subject to technical changes.

# SERIES 242 ERSADUR LONGLIFE SOLDERING TIPS

■ i-CON VARIO 2 and 4 with i-TOOL HP soldering iron

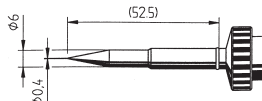
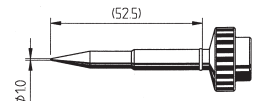
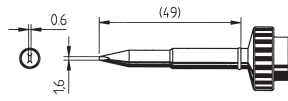
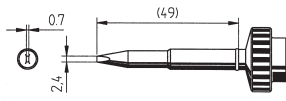
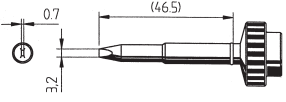
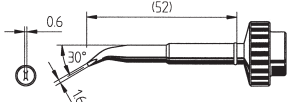
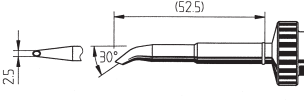
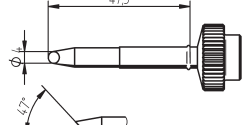
<p><b>0242CDLF50/SB</b> chisel-shaped, 5.0 mm</p> 	<p><b>0242SDLF90/SB</b> chisel-shaped, bent 40°, 9.0 mm</p> 	<p><b>0242CDLF100/SB</b> chisel-shaped, 10.0 mm</p> 	<p><b>0242CDLF120/SB</b> chisel-shaped, 12.0 mm</p> 
<p><b>0242CDLF200/SB</b> chisel-shaped, 20.0 mm</p> 	<p><b>0242CDLF109A/SB</b> chisel-shaped, asymmetric, 10.9 mm</p> 	<p><b>0242YDLF90/SB</b> slotted, ID 5.0 mm, OD 9.0 mm</p> 	<p><b>Tip fastener 3IT2440/SB</b> for 242... tips</p> 
<p><b>024100J</b> Heating element for i-TOOL HP, 24 V, 250 W</p> 			

Dimensions without pre-tinning. Subject to technical changes.

# SERIES 612 ERSADUR LONGLIFE SOLDERING TIPS

■ CPS 60.10  
■ DIGITAL 60 A

■ DIGITAL 2000 A with TECH TOOL  
■ MICRO-CON 60 iA with TECH TOOL

<p><b>0612SDFL/SB</b> pencil point, 0.4 mm <math>\phi</math></p> 	<p><b>0612BDFL/SB</b> pencil point, 1.0 mm <math>\phi</math></p> 	<p><b>0612ADFL/SB</b> chisel-shaped, 1.6 mm</p> 	<p><b>0612KDFL/SB</b> chisel-shaped, 2.4 mm</p> 
<p><b>0612EDFL/SB</b> chisel-shaped, 3.2 mm <math>\phi</math></p> 	<p><b>0612JDFL/SB</b> chisel-shaped, bent 30°, 1.6 mm</p> 	<p><b>0612HDFL/SB</b> Ersa SolderWell with concave portion, 30° bent, 2.5 mm</p> 	<p><b>0612WDFL/SB</b> angled face, 45°, 4.0 mm</p> 

Dimensions without pre-tinning. Subject to technical changes.

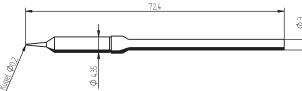
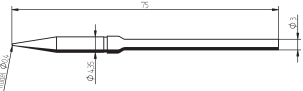
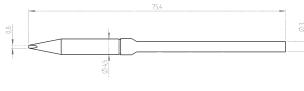
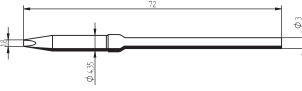
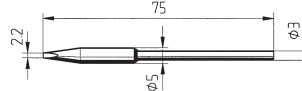

# SERIES 212 ERSADUR LONGLIFE SOLDERING TIPS

■ ANALOG 20 A  
■ DIGITAL 2000 A with MICRO TOOL

■ MICRO-CON 60 iA with MICRO TOOL  
■ REWORK 80

■ SMD 8000  
■ SMT UNIT 60 A/A5


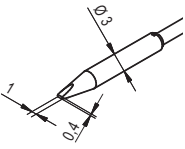
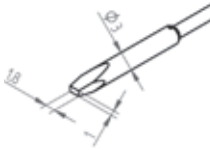
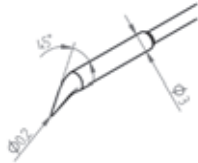
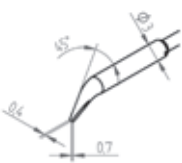

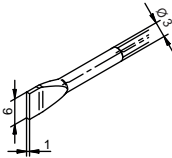
■ TWIN 40 A/A5  
■ TWIN 80 A with MICRO TOOL

<p><b>0212SDFL/SB</b> pencil point, 0.2 mm <math>\phi</math></p> 	<p><b>0212BDFL/SB</b> pencil point, 0.4 mm <math>\phi</math></p> 	<p><b>0212CDLF/SB</b> chisel-shaped, 0.8 mm</p> 	<p><b>0212EDLF/SB</b> chisel-shaped, 1.8 mm</p> 
<p><b>0212FDLF/SB</b> chisel-shaped, reinforced, 2.2 mm</p> 	<p><b>021100J</b> Heating element for CTA 20, 24 V, 20 W</p> 		

Dimensions without pre-tinning. Subject to technical changes.

## SERIES 462 DESOLDERING TIPS

■ All i-CON stations with CHIP TOOL VARIO desoldering pincette

<p><b>0462PDLF005/SB</b> pencil point, 0.5 mm <math>\emptyset</math></p> 	<p><b>0462CDLF010/SB</b> chisel-shaped, 1.0 mm</p> 	<p><b>0462CDLF018/SB</b> chisel-shaped, 1.8 mm</p> 	<p><b>0462SDLF002/SB</b> pencil point, bent, 0.2 mm <math>\emptyset</math></p> 
<p><b>0462MDLF007/SB</b> chisel-shaped, bent, 0.7 mm</p> 	<p><b>0462MDLF015/SB</b> chisel-shaped, bent, 1.5 mm</p> 	<p><b>0462FDLF060/SB</b> desoldering tips, 6 mm</p> 	

Delivery in pairs. Dimensions without pre-tinning. Subject to technical changes.

## SERIES 722 ERSADUR DESOLDERING TIPS

■ DIGITAL 2000 A with X-TOOL

■ X-TOOL KIT 1

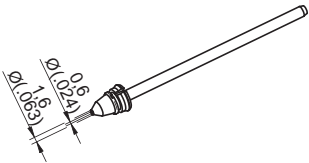
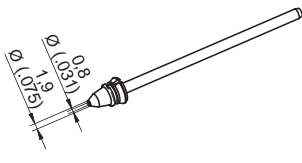
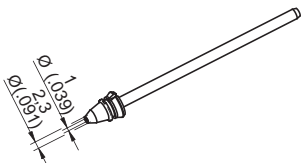
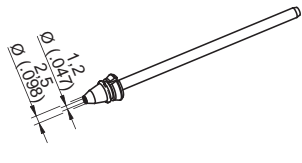
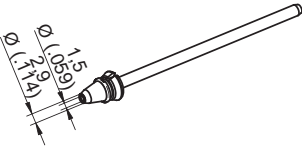
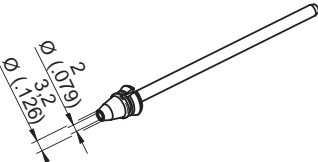
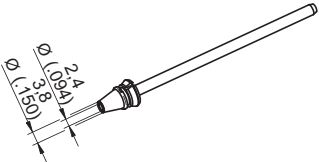
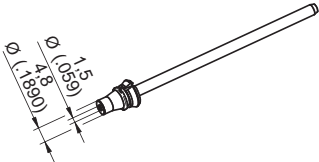
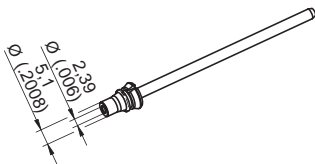


■ All i-CON stations with X-TOOL

<p><b>0722ED0821/SB</b> ID 0.8 mm, OD 2.1 mm</p> 	<p><b>0722ED1226/SB</b> ID 1.2 mm, OD 2.6 mm</p> 	<p><b>0722ED1529/SB</b> ID 1.5 mm, OD 2.9 mm</p> 
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Dimensions without pre-tinning. Subject to technical changes.

## SERIES 742H DESOLDERING TIPS, ERSADUR, HIGHLY TIN-PLATED

■ Alle i-CON Lötstationen mit Entlötgerät X-TOOL VARIO

<p><b>0742ED0616H/SB</b> ID 0.6 mm, OD 1.6 mm</p> 	<p><b>0742ED0819H/SB</b> ID 0.8 mm, OD 1.9 mm</p> 	<p><b>0742ED1023H/SB</b> ID 1.0 mm, OD 2.3 mm</p> 	<p><b>0742ED1225H/SB</b> ID 1.2 mm, OD 2.5 mm</p> 
<p><b>0742ED1529H/SB</b> ID 1.5 mm, OD 2.9 mm</p> 	<p><b>0742ED2032H/SB</b> ID 2.0 mm, OD 3.2 mm</p> 	<p><b>0742ED2438H/SB</b> ID 2.4 mm, OD 3.8 mm</p> 	<p><b>0742ED1548H/SB</b> ID 1.5 mm, OD 4.8 mm</p> 
<p><b>0742ED2351H/SB</b> ID 2.3 mm, OD 5.1 mm</p> 	<p><b>E074700</b> Cleaning kit for tip series 742H</p> 	<p><b>E074600</b> Service tool for tip change and cleaning (X-TOOL VARIO)</p> 	

Dimensions without pre-tinning. Subject to technical changes.

# SERIES 422/452 ERSADUR DESOLDERING TIPS

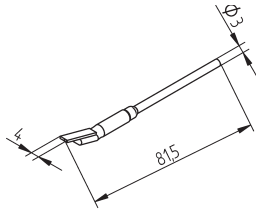
■ DIGITAL 2000 A with CHIP TOOL  
■ MICRO-CON 60 iA with  
 SMD DESOLDERING PINCETTE 40

■ SMT UNIT 60 AC/A with CHIP TOOL/  
 SMD DESOLDERING PINCETTE 40

■ All i-CON stations with CHIP TOOL  
■ REWORK 80 / SMD 8000

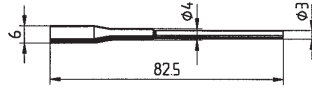
## 0452FDLF040/SB

4 mm, for e.g. SO 8 GT/14 GT/16 GT



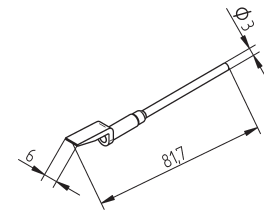
## 0422ED/SB

6 mm, for e.g. SOIC 8



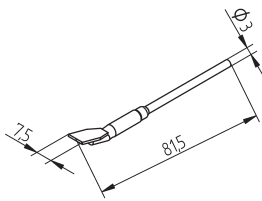
## 0452EDLF060/SB

6 mm, for e.g. SOIC 8



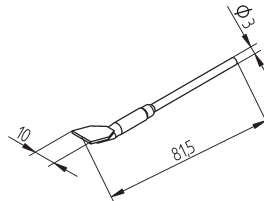
## 0452FDLF075/SB

7.5 mm, for e.g. SOIC 2 / SOT 23



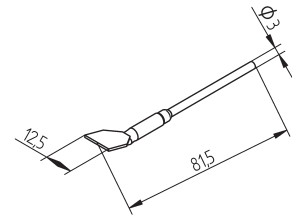
## 0452FDLF100/SB

10 mm, for e.g. SOIC 16



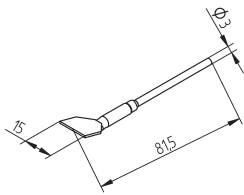
## 0452FDLF125/SB

12.5 mm, for e.g. SOIC 20



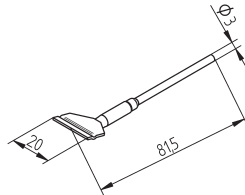
## 0452FDLF150/SB

15 mm, for e.g. SOIC 24



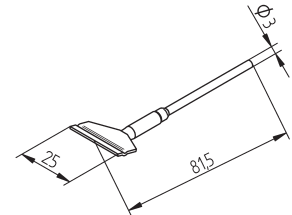
## 0452FDLF200/SB

20 mm, for e.g. SOIC 32



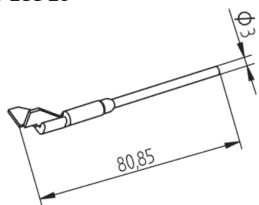
## 0452FDLF250/SB

25 mm, for e.g. SOIC 40



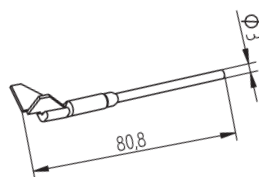
## 0452QDLF100/SB

90° angle, length 10 mm, for e.g. PLCC 20



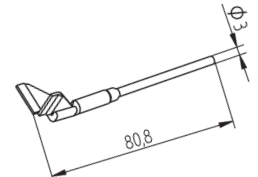
## 0452QDLF125/SB

90° angle, length 12.5 mm, for e.g. PLCC 28



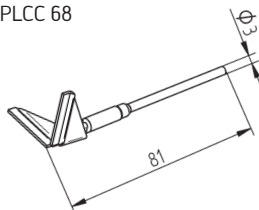
## 0452QDLF150/SB

90° angle, length 15 mm, for e.g. QFP, TQFP and TTQFP 80T25



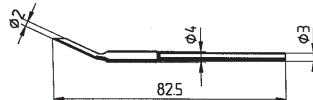
## 0452QDLF250/SB

90° angle, length 25 mm, for e.g. PLCC 68



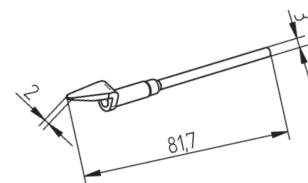
## 0422MD/SB

ellipse, for MELF and MINI-MELF



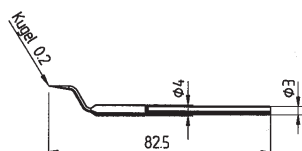
## 0452MDLF020/SB

ellipse, for MELF and MINI-MELF



## 0422SD/SB

for MICRO-MELF  
Use only with tip turn protection set E045600.



## E045600

Tip turn protection set for desoldering tip pairs of series 422 and 452



## \*Please note:

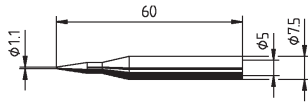
Tips 0422SD/SB must be used in combination with the tip turn protection set E045600 to ensure good results.

It is recommended to use the tip turn protection set E045600 together with further tips of the series 422 and 452.

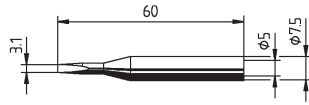
## SERIES 172 ERSADUR LONGLIFE SOLDERING TIPS

■ MULTI-TIP C25

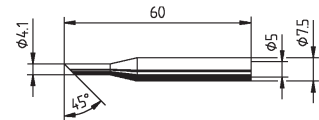
**0172BD/SB**  
ERSADUR, pencil point, 1.1 mm  $\phi$



**0172KD/SB**  
ERSADUR, chisel-shaped, 3.1 mm



**0172LD/SB**  
ERSADUR, angled face 45°, 4.1 mm



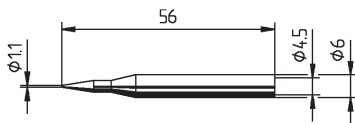
Dimensions without pre-tinning. Subject to technical changes.

## SERIES 162 ERSADUR LONGLIFE SOLDERING TIPS

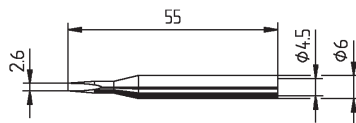
■ MULTI-TIP C15

■ TIP 260

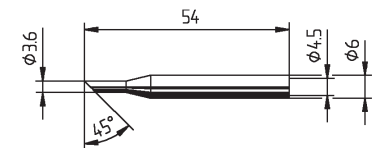
**0162BD/SB**  
ERSADUR, pencil point, 1.1 mm  $\phi$



**0162KD/SB**  
ERSADUR, chisel-shaped, 2.6 mm



**0162LD/SB**  
ERSADUR, angled face, 45°, 3.6 mm

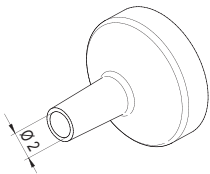


Dimensions without pre-tinning. Subject to technical changes.

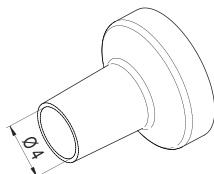
## SERIES 472 HOT-AIR NOZZLES

■ i-CON VARIO 2 and 4 with i-TOOL AIR S hot-air iron

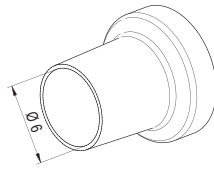
**0472AR/SB\***



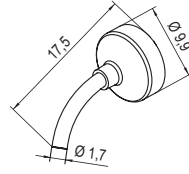
**0472B\*R/SB\***



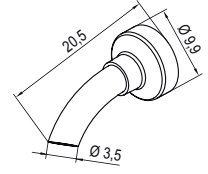
**0472CR/SB\***



**0472DR/SB\***



**0472ER/SB\***



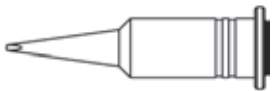
\*Cap sleeve 3YE1058-01 necessary to fasten nozzles with i-TOOL AIR S

## SERIES G 072 & G 132 SOLDERING TIPS

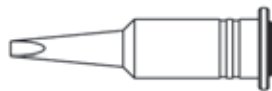
■ INDEPENDENT 75 gas soldering iron (series G 072)

■ INDEPENDENT 130 gas soldering iron (series G 132)

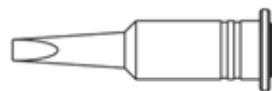
**0G072CN/SB**  
**0G132CN/SB**  
chisel-shaped, 1.0 mm



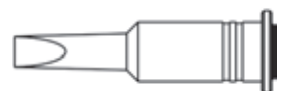
**0G072KN/SB**  
**0G132KN/SB**  
chisel-shaped, 2.4 mm



**0G072AN/SB**  
**0G132AN/SB**  
chisel-shaped, 3.2 mm



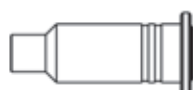
**0G072VN/SB**  
**0G132VN/SB**  
chisel-shaped, 4.8 mm



**0G072BE/SB**  
**0G132BE/SB**  
flame nozzle



**0G072HE/SB**  
**0G132HE/SB**  
hot gas nozzle



**0G072RE/SB**  
**0G132RE/SB**  
deflector for hot gas nozzle to shrink heat shrinkable sleeves



**0G072MN/SB**  
**0G132MN/SB**  
hot blade

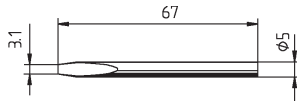


Dimensions without pre-tinning. Subject to technical changes.

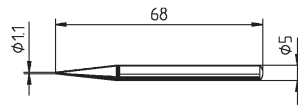
## SERIES 032 ERSADUR LONGLIFE SOLDERING TIPS

■ MULTI-TIP C25

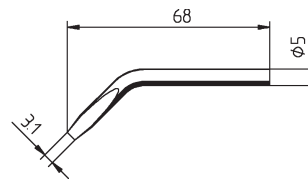
**0032KD**  
chisel-shaped, 3.1 mm



**0032BD**  
pencil point, 1.1 mm φ



**0032JD**  
chisel-shaped, bent, 3.1 mm



**E033100**  
Heating element for Ersa 30 S,  
230 V, 30 W

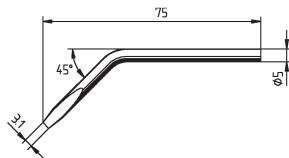


Dimensions without pre-tinning. Subject to technical changes.

## 052, ERSADUR LONGLIFE SOLDERING TIP

■ Ersa 50 S

**0052JD/SB**  
chisel-shaped, bent, 3.1 mm



**E005100**  
Heating element for Ersa 50 S,  
230 V, 50 W

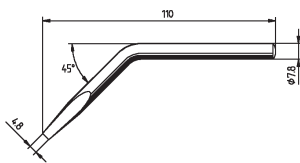


Dimensions without pre-tinning. Subject to technical changes.

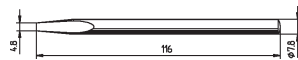
## SERIES 082 ERSADUR LONGLIFE SOLDERING TIPS

■ Ersa 80 S

**0082JD/SB**  
chisel-shaped, bent, 4.8 mm



**0082KD/SB**  
chisel-shaped, 4.8 mm



**E008100**  
Heating element for Ersa 80 S,  
230 V, 80 W

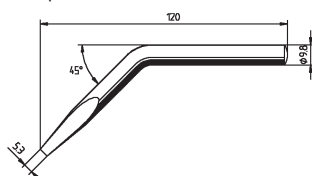


Dimensions without pre-tinning. Subject to technical changes.

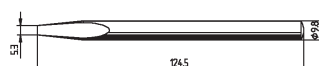
## SERIES 152 ERSADUR LONGLIFE SOLDERING TIPS

■ Ersa 50 S

**0152JD**  
chisel-shaped 5.3 mm, bent



**0152KD**  
chisel-shaped, 5.3 mm



**E015100**  
Heating element for Ersa 150 S,  
230 V, 150 W



Dimensions without pre-tinning. Subject to technical changes.

# HYBRID REWORK SYSTEMS

## For professional repair of electronic assemblies

For more than 25 years, thousands of users worldwide are drawing benefits from using the patented Erska rework technology. Aside from its very attractive price-performance ratio, the units have gained their strong market position because they deliver excellent results even with the most complex rework tasks.

Ersa has a model diversity that extends to automated hybrid stations with extensive accessories. The hybrid rework system HR 600/2 sets standards in the automated rework of PCBs.

In addition, Erska offers the HR 550 – a further high-performance model for safe and easy manual rework with guided processes. The HR 600 XL has been developed for large PCB formats of up to 625 x 1,250 mm and handles component sizes of 60 x 60 mm without any problems. Thanks to the innovative IR Matrix Heater™ and 16 kW power, the HR 600 XL ensures the safe processing of large, high-mass assemblies.

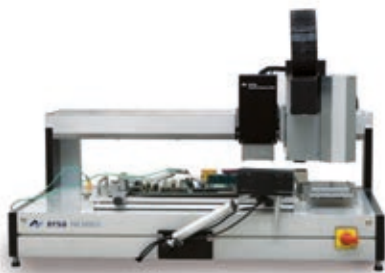
With the HR 550 XL, Erska provides a semi-automatic system for large assemblies up to approx. 530 x 610 mm – a real high-



*After the component has been automatically lifted off the PCB, remaining solder is removed completely.*

performance system with eight bottom-radiation heating zones and motorized X/Y fine adjustment and component rotation. The system is suitable for industrial and power electronics and large-format boards and is particularly attractive for service providers.

The HR 500 offers the full Erska hybrid rework technology for budget-oriented users. The little brother of the HR 550 allows flexible repairs of standard assemblies up to 380 x 300 mm and 50 x 50 mm component size.



HR 600/2



*HR 600 XL: An XL heating head is also available as an option for Erska's largest rework system, which can process components up to 120 x 120 mm side length. An extended bottom heater is available as an option for processing particularly large assemblies.*



HR 500



HR 550



HR 550 XL



# DIP&PRINT STATION

Application of solder paste or flux – simple, reliable, reproducible

The Dip-in process is suitable for BGAs and many Fine-Pitch components.

The printing of solder paste directly on QFN/MLF components is effected using fitting stencils. After the print, the components are lifted from the stencil and positioned on the assembly.

Suitable for all Erska rework systems.



Flux application in a dip stencil

## Order information

Order no.	Description
OPR100	Dip&Print Station
OPR100-PL550	Frame fixation for PL 550
OPR100-PL650	Frame fixation for PL 650
OPR100-D001	Dip stencil, 40 x 40 mm/300 µm
OPR100-D002	Dip stencil, 20 x 20 mm/150 µm
OPR100-D003	Dip stencil, 20 x 20 mm/100 µm

Customized and further stencils on request

# INSPECTION SYSTEMS

Optical inspection for hidden solder joints

For nearly fifteen years now, thousands of users worldwide have been benefiting from the ability to inspect hidden solder joints with the patented and award-winning ERSASCOPE inspection technology.

Industry experts, including the IPC, approve the great importance of using ERSASCOPE technology for the inspection of hidden solder joints. In combination with X-ray inspection equipment, the ERSASCOPE systems provide the most complete view of potential problems in the production process. ERSASCOPE remains to be the undisputed industry standard for optically inspecting BGAs and other hidden solder joints!

Whether for inspection under Flip-Chips or for inspection where other microscopes cannot see, ERSASCOPE technology offers a significant added value to any quality assurance program.



ERSASCOPE M plus with powerful external LED light source including gooseneck light guide for an optimal inspection of low-profile components such as Flip Chips, µBGAs and CSPs



Erska inspection systems



# PERSONNEL QUALIFICATION AND SERVICES

For over 100 years, Erska has been the first address for all soldering needs. Erska equipment is designed for top performance – but for top soldering results the user also needs the latest tech knowledge. We provide you with the appropriate know-how to make your electronics production even better. Whatever your needs, our training program covers all aspects of professional soldering – from solder paste printing, reflow, selective and wave soldering to rework and hand soldering.

You can join any time! Our wide range of digital and on-site trainings certainly offers the fitting qualification measure for your needs.

## Some examples:

- Process trainings and practical training courses
- Customer-specific technology days
- Operation and maintenance trainings
- WEBinERSA webinars
- Live demonstrations and test soldering



Further information

## Your benefit

- Quality increase in the production of electronic assemblies
- Increased process safety due to higher efficiency of employees and more reliable hand and machine soldering processes
- Competitive advantages due to certified personnel
- Personal, modular certificate
- High training success due to small groups of participants
- Flexible due to modular training concept
- Up-to-date, standardized training materials
- Provides security for audits and verification requirements

# WEBinERSA WEBINAR PROGRAM

Our goal is to give all interested parties access to the desired soldering know-how – or in short: With the WEBinERSA we want to make your production even stronger!

Our webinars, each lasting 60 to 90 minutes, provide information on current topics in soldering technology and offer a wide variety: Whether stencil printing, high-end soldering machines, rework and inspection systems or intelligent solutions in classical hand soldering – there is something for everyone.

In the field of rework and hand soldering for example, we'll be covering the basics as well as specific topics such as soldering of PTHs and SMDs on high thermal mass assemblies or big board rework.

Our current WEBinERSA program is available online at [www.webinar.ersa.com](http://www.webinar.ersa.com).



WEBinERSA webinars

## Your benefit

- Worldwide and location-independent access to technology know-how
- Qualification of employees through digital system and process training
- Increased flexibility due to online trainings
- Exchange with experts on current topics in electronics production

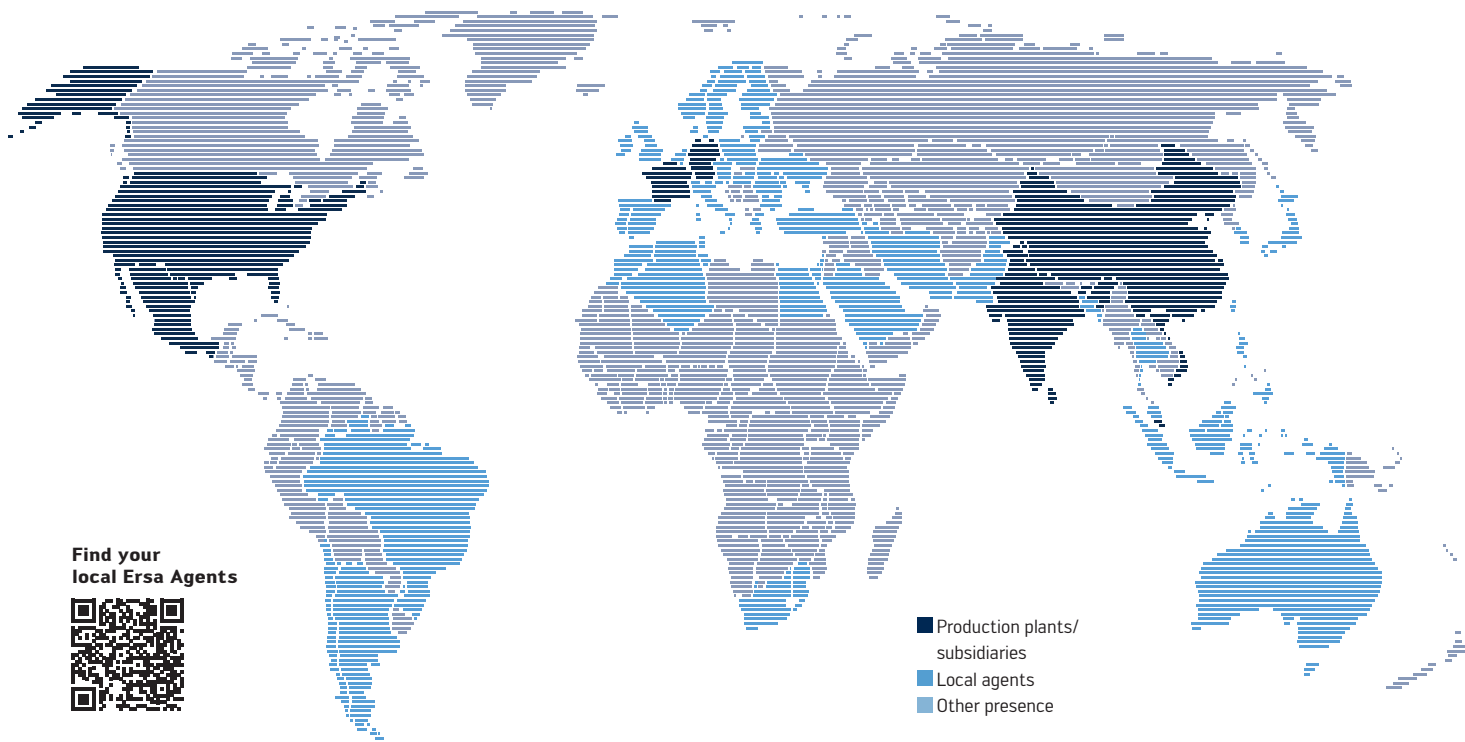
## THAT'S HOW IT WORKS

- Register via our homepage
- Receive confirmation and a link to access your WEBinERSA
- Dial in 5 minutes before the WEBinERSA starts
- Listen to the presentation and get directly in touch with the experts
- Note: The software does not have to be available in the company, it is a web link



# ELECTRONICS PRODUCTION EQUIPMENT

Worldwide presence



## USA

Kurtz Ersä, Inc.  
Plymouth, WI  
usa@kurtzersa.com

## Mexico

Kurtz Ersä, S.A. de C.V.  
Guadalajara  
info-kmx@kurtzersa.com

## China

Kurtz Ersä Asia Ltd.  
Hongking  
asia@kurtzersa.com

Ersä Shanghai  
Shanghai  
info-esh@kurtzersa.com

## Vietnam

Kurtz Ersä Vietnam Company Limited  
Ho-Chi-Minh-Stadt  
info-kev@kurtzersa.com

## Singapore

Kurtz Ersä Singapore (Pte. Ltd.)  
info.kes@kurtzersa.com

## India

Kurtz Ersä India  
Smart Production Technologies  
Private Limited  
Bangalore  
india@kurtzersa.com

## France

Kurtz Ersä FRANCE  
Haguenu  
kefrance@kurtzersa.com

Ersä GmbH  
Leonhard-Karl-Str. 24  
97877 Wertheim/Germany

Phone +49 9342 800-0  
Fax +49 9342 800-127  
info@ersa.de

[www.ersa.de](http://www.ersa.de)  
[www.ersa.com](http://www.ersa.com)

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