

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.

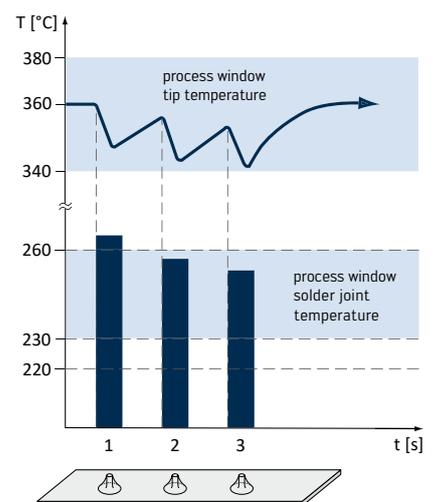
Process window and alarm

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	Rating/Voltage	Weight*
0135CDK	i-TOOL PICO MK2 soldering iron	80 W/16.5 V	approx. 30 g
0125CDK	i-TOOL NANO MK2 soldering iron	80 W/16.5 V	approx. 30 g
0105CDJ	i-TOOL MK2 soldering iron	150 W/24 V	approx. 30 g
0140CDJ	i-TOOL Trace soldering iron	150 W/24 V	approx. 30 g
0460MDJ	CHIP TOOL VARIO desoldering tweezers	2 x 40 W/24 V	approx. 30 g

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

*without cable

i-CON Matrix

Possible combinations of models, tools and peripherals

i-CON control stations	Tools and Accessories									
										
 i-CON PICO MK2	■									
 i-CON NANO MK2		■								
 i-CON 1 MK2				■						
 i-CON 1V MK2				■			■			
 i-CON 2V MK2				■			■			
 i-CON 1C MK2				■				■	■	
 1-CON 1 VC MK2				■			■	■	■	
 i-CON 2 VC MK2				■			■	■	■	
 i-CON TRACE			■							
 i-CON VARIO 2 MK2				■	■	■	■	■	■	■
 i-CON VARIO 4 MK2				■	■	■	■	■	■	■

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



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 relatively 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. Also available with heat resistant cable, order number 0330KD0028.



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

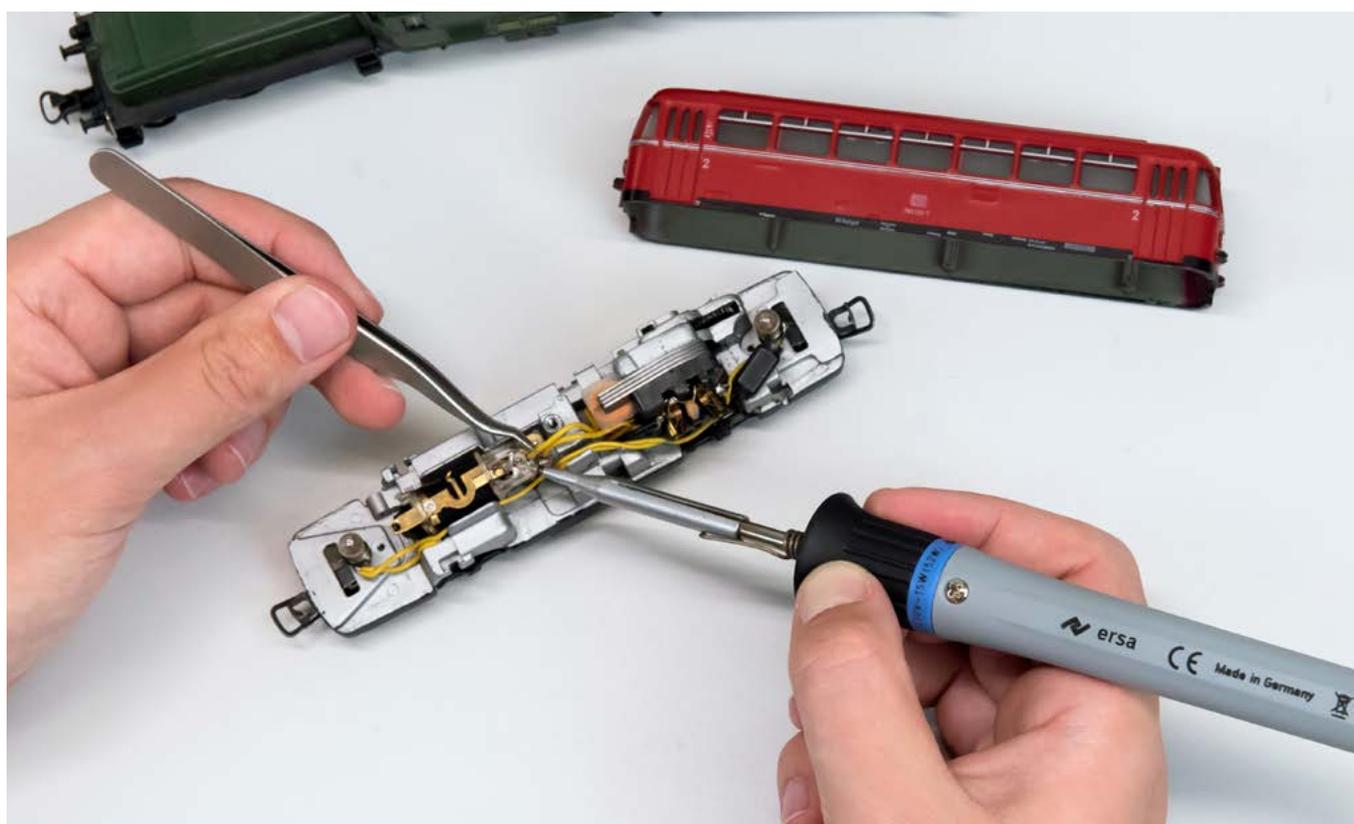


Micro soldering iron MULTI-TIP C25. Soldering tip series 172 see page 54.

Order information

Order no.	US version 115 V	Description	With soldering tip	Rating/ Voltage	Heating time	Max. tip temperature	Weight*
0330KD	1330KDA068	Ersa 30 S soldering iron	0032KD, ERSADUR	30 W/230 V	approx. 2 min	approx. 380°C	80 g
0340KD	1340KDA068	Ersa 30 S soldering iron	0032KD, ERSADUR	40 W/230 V	approx. 2 min	approx. 420°C	80 g
0910BD		MULTI-TIP C15 soldering iron	0162BD, ERSADUR	15 W/230 V	approx. 120 s	approx. 350°C	28 g
0920BD		MULTI-TIP C25 soldering iron	0172BD, ERSADUR	25 W/230 V	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 mm² (Ersa 50 S, 50 W) to 6 mm² (Ersa 150 S, 150 W).

The devices are supplied with an angled soldering tip as standard. Thanks to their elaborately generated "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.	US version 115 V	Description	With soldering tip	Rating/ Voltage	Heating time	Max. tip temperature	Weight*
0055JD	1055JDA068	Ersa 50 S soldering iron	0052JD, ERSADUR	50 W/230 V	approx. 3 min	approx. 400 °C	160 g
0085JD	1085JDA068	Ersa 80 S soldering iron	0082JD, ERSADUR	80 W/230 V	approx. 3 min	approx. 410 °C	220 g
0155JD	1155JDA068	Ersa 150 S soldering iron	0152JD, ERSADUR	150 W/230 V	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.



Wide range of soldering tips



PTC

Order information

Order no.	US version 115 V	Description	With soldering tip	Rating/ Voltage	Heating time	Max. tip temperature	Weight*
0960ED	1960EDA068	MULTI-SPRINT solder gun	0832EDLF, ERSADUR	150/75 W/ 230 V, 50 – 60 Hz	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 47.

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 and inserts 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



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 0006G/SB and sponge container 0G156

Soldering tip series G072 see page 51.

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 0006G/SB and sponge container 0G156

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 51.

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 0006G/SB and sponge container OG156

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 0006G/SB and sponge container OG156

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