Catalog
Ersa soldering irons, soldering and desoldering stations, solder fume extractions, hybrid rework equipment and accessories
Our Vision
Our competitive lead in technology optimizes quality, costs and delivery service in our customers’ production process.

Our Mission
- Our products serve to optimize manufacturing processes used in production environments.
- The requirements of our customers are the measure for our actions.
- We are a global player with a singular product range.
- We are a member of a strong, diversified group of companies, and draw from this extensive synergy potentials.
- As a family enterprise, we place as much emphasis on achieving adequate growth of our equity and a reasonable return on our investment, as we do on sustainably securing the jobs of our employees.
Contents

Soldering irons and sets
- **Miniature soldering irons**
  - MINOR S, MINITYP S .................. 6
- **Micro/universal soldering iron**
  - MULTITIP series, TIP 260 .............. 6
  - MULTI-PRO, ERSA 30 S ............... 6
- **Standard soldering irons**
  - ERSA 50 S/80 S/150 S .................. 7
- **Workshop/hammer soldering irons**
  - ERSA 200 – ERSA 550 ................. 7
- **High-speed soldering irons**
  - MULTI-SPRINT, PTC 70, MULTI-TC ........ 8
- **Gas soldering irons**
  - INDEPENDENT 75/130 .................... 9
- **Plastics welding device**
  - ERSA 185 PZ .................................. 32

**Solder baths**
- Mini solder bath, static solder baths .... 11
- RA 4500 D temperature regulator ....... 11
- Temperature sensor ...................... 11

Soldering stations
- **Soldering stations**
  - RDS 80 .................................. 13
  - ANALOG 60/ANALOG 60 A ............ 13
  - DIGITAL 2000 A .......................... 24/25

**i-CON soldering/desoldering stations**
- **Multifunctional soldering/desoldering stations**
  - i-CON PICO .................................. 16
  - i-CON NANO .................................. 17
  - i-CON 1 ....................................... 18/19
  - i-CON 1 C/2 C ............................... 18/19
  - i-CON 2 ....................................... 20/21
  - i-CON VARIO 2 .............................. 22/23
  - i-CON VARIO 4 .............................. 22/23
  - DIGITAL 2000 A ............................ 24/25

- **Hybrid rework system**
  - HR 100 A .................................... 26
  - IRHP 100 A .................................... 26
  - IRSoft rework software .................. 27

- **Solder paste printing**
  - DIP & PRINT Station ...................... 27

**“CLEAN-AIR” – solder fume extractions**
- **Extractions for the workbench**
  - EASY ARM EXTRACTION EA 55 i ....... 29
  - EASY ARM EXTRACTION EA 110 plus i .. 30

**Accessories and process materials**
- **Accessories**
  - IRHP 200/IRHP 100 A heating plates ... 32
  - DTM temperature measuring device .... 33
  - Vacuum pipette ............................ 33
  - Desoldering tools .......................... 33
  - Stacking rack ................................ 34
  - Solder wire dispenser ..................... 34
  - Multifunctional tip exchanger .......... 34
  - Holders and sponges ...................... 35
  - SMD 8014 tip holder ...................... 25

- **Process materials**
  - Solder wires, solder bars ............... 36
  - Fluxes .................................... 37
  - Desoldering wicks ......................... 37
  - FLUX PEN, FLUX REMOVER and TIP REACTIVATOR ....... 37

Soldering tips and desoldering tips
- 102 series .................................. 40/41
- 832 series .................................. 42
- 842, 722 series .............................. 43
- 612, 462 series .............................. 44
- 422, 452, 472 series ......................... 45
- 212, 622 series .............................. 46
- 012, 032, 042, 052, 082, 152, 202, 302, 552 series ............... 47
- 132, 162, 172, G 072, G 132 series ......... 48
- ERSADUR tip structure .................... 39

References
- Professional care of soldering tips ......... 39
- Ersa inspection systems .................. 49
- Ersa rework systems ....................... 50
- Ersa training/training programs .......... 51
- Ersa soldering systems ................... 52
- Sustainability ............................. 53
Quickfinder – the alpha-numerical product index

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Order no.</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>0038B–0008M</td>
<td>0842... tips</td>
</tr>
<tr>
<td>0012... tips</td>
<td>090BD</td>
<td>090BD</td>
</tr>
<tr>
<td>0015BDH</td>
<td>090CD</td>
<td>090CD</td>
</tr>
<tr>
<td>0032... tips</td>
<td>0960ED</td>
<td>0960ED</td>
</tr>
<tr>
<td>0042... tips</td>
<td>0A</td>
<td>0A</td>
</tr>
<tr>
<td>0045BDG</td>
<td>0A04 – 0A55</td>
<td>0A08MSET</td>
</tr>
<tr>
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<tr>
<td>0055JD</td>
<td>0CA... (CLEAN-AIR)</td>
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<td>0085JD</td>
<td>0ODIG20A27</td>
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<td>0ODIG20A64</td>
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<tr>
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<td>0ODIG20A84</td>
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<td>0100CDJ</td>
<td>0ODIG20AXT</td>
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</tr>
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<td>0ODTM100P</td>
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</tr>
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</tr>
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</tr>
<tr>
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</tr>
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</table>

Quickfinder – Product Index
The success story of Ersa soldering irons started in 1921 when the company’s founder Ernst Sachs applied for patent for the first electric soldering iron.

Today, the soldering irons and sets, high-speed soldering irons and gas powered soldering irons have proven their merit many times over throughout the world, always providing the fitting solution for various applications.
Ersa miniature soldering irons

The MINOR S (5 W) and MINITYP S (6 W) miniature soldering irons with ERSADUR tips are suitable for the finest-detailed soldering work on micro-circuits.

The MINOR can be operated with a 6 V transformer or a 6 V battery. Besides electronics, the Minor can also be used in watch repair, in the photographic industry and in dental technology.

The MINITYP can be operated with a 12 V battery.

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<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>With soldering tip</th>
<th>Rating/ voltage</th>
<th>Heating time</th>
<th>Max. tip temperature</th>
<th>Weight (w/o cable)</th>
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<tr>
<td>0045BDG</td>
<td>MINOR S soldering iron</td>
<td>0042BD, ERSADUR</td>
<td>5 W/6 V</td>
<td>12 s</td>
<td>approx. 440 °C</td>
<td>6 g</td>
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<tr>
<td>0015BDH</td>
<td>MINITYP S soldering iron</td>
<td>0012BD, ERSADUR</td>
<td>6 W/12 V</td>
<td>20 s</td>
<td>approx. 390 °C</td>
<td>7 g</td>
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</table>

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Ersa micro/universal soldering irons

The Ersa MULTITIP series covers a wide range of applications. It stands out by its low weight and compact design (short distance between soldering tip and the handle’s front part). The handle stays relatively cool while soldering.

The MULTITIP is available for 15 W and 25 W and suitable for both micro-soldering joints and medium-sized soldering, as on distributor strips. Long-life and industrially tested PTC heating elements and internally heated soldering tips provide high efficiency and fast heat supply.

The TIP 260 is also heated in this especially efficient way. 16 W power and slim design make this soldering iron an ideal aid when working on electronic assemblies in places difficult to access.

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<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>With soldering tip</th>
<th>Rating/ voltage</th>
<th>Heating time</th>
<th>Max. tip temperature</th>
<th>Weight (w/o cable)</th>
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<tbody>
<tr>
<td>0910BD</td>
<td>MULTITIP C15 soldering iron</td>
<td>0162BD, ERSADUR</td>
<td>15 W/230 V</td>
<td>approx. 60 s</td>
<td>approx. 350 °C</td>
<td>28 g</td>
</tr>
<tr>
<td>0920BD</td>
<td>MULTITIP C25 soldering iron</td>
<td>0172BD, ERSADUR</td>
<td>25 W/230 V</td>
<td>approx. 60 s</td>
<td>approx. 450 °C</td>
<td>34 g</td>
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<tr>
<td>0260BD</td>
<td>TIP 260 soldering iron</td>
<td>0162BD, ERSADUR</td>
<td>16 W/230 V</td>
<td>approx. 60 s</td>
<td>approx. 350 °C</td>
<td>40 g</td>
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Ersa universal soldering irons

Thanks to its large range of tips, the Ersa MULTI-PRO is the ideal soldering iron when great flexibility is required. The device has a heat-resistant connecting cable. Internally heated tips provide a high level of efficiency.

ERSA 30 S, the best selling and most tried and tested universal soldering iron, is known the world over for its sturdiness and longevity. It can be used in a variety of ways for soldering tasks in handicrafts, service and hobbies. Delivery includes a practical, easily mounted rubber stick-on support disk. The ERSÂ 30 S is available with 30 W and 40 W.

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<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>With soldering tip</th>
<th>Rating/ voltage</th>
<th>Heating time</th>
<th>Max. tip temperature</th>
<th>Weight (w/o cable)</th>
</tr>
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<tbody>
<tr>
<td>0930CD</td>
<td>MULTI-PRO</td>
<td>0832CDLF, ERSADUR</td>
<td>20 W/230 V</td>
<td>approx. 5 min</td>
<td>approx. 430 °C</td>
<td>66 g</td>
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<tr>
<td>0330 KD</td>
<td>ERSÂ 30 S</td>
<td>0032KD, ERSADUR</td>
<td>30 W/230 V</td>
<td>approx. 2 min</td>
<td>approx. 380 °C</td>
<td>80 g</td>
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<tr>
<td>0340 KD</td>
<td>ERSÂ 30 S</td>
<td>0032KD, ERSADUR</td>
<td>40 W/230 V</td>
<td>approx. 2 min</td>
<td>approx. 420 °C</td>
<td>80 g</td>
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**Ersa standard soldering irons**

The tried and proven soldering irons of the **ERSA 50 S / 80 S / 150 S** series 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 much longer service life than their simple mates.

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

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**ERSA 50 S**
Soldering tip series 052 see page 47

**ERSA 80 S**
Soldering tip series 082 see page 47

**ERSA 150 S**
Soldering tip series 152 see page 47

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<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>With soldering tip</th>
<th>Rating/voltage</th>
<th>Heating time</th>
<th>Max. tip temperature</th>
<th>Weight (w/o cable)</th>
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<td>0055JD</td>
<td>Ersa 50 S soldering iron</td>
<td>0052JD, ERSADUR</td>
<td>50 W/230 V</td>
<td>approx. 3 min</td>
<td>approx. 400 °C</td>
<td>160 g</td>
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<tr>
<td>0085JD</td>
<td>Ersa 80 S soldering iron</td>
<td>0082JD, ERSADUR</td>
<td>80 W/230 V</td>
<td>approx. 3 min</td>
<td>approx. 410 °C</td>
<td>220 g</td>
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<tr>
<td>0155JD</td>
<td>Ersa 150 S soldering iron</td>
<td>0152JD, ERSADUR</td>
<td>150 W/230 V</td>
<td>approx. 3 min</td>
<td>approx. 450 °C</td>
<td>245 g</td>
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**Ersa workshop soldering irons**

The **ERSA 200, 300** and **550** hammer soldering iron series are especially suitable for sheet metal processing, installation work and for soldering commutators and copper bus bars.

Hammer soldering irons have also proven their merit in automotive body adjustments and lead glazing.

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**ERSA 550**
Soldering tip series 552 MZ and 552 MD see page 47

**ERSA 200/300**
Soldering tip series 202/302 MZ and 202/302 MD see page 47

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<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>With soldering tip</th>
<th>Rating/voltage</th>
<th>Heating time</th>
<th>Max. tip temperature</th>
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<tr>
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<td>200 W/230 V</td>
<td>approx. 5 min</td>
<td>approx. 470 °C</td>
<td>550 g</td>
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<tr>
<td>0200MD</td>
<td>Ersa 200 hammer soldering iron</td>
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<td>200 W/230 V</td>
<td>approx. 5 min</td>
<td>approx. 470 °C</td>
<td>550 g</td>
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<td>Ersa 300 hammer soldering iron</td>
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<td>300 W/230 V</td>
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<td>approx. 470 °C</td>
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<td>300 W/230 V</td>
<td>approx. 5 min</td>
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<td>870 g</td>
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<td>0552MZ, nickel-plated</td>
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<td>approx. 7 min</td>
<td>approx. 600 °C</td>
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<td>550 W/230 V</td>
<td>approx. 7 min</td>
<td>approx. 600 °C</td>
<td>1,770 g</td>
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Ersa high-speed soldering irons

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 long-life soldering tip, the MULTI-SPRINT’s PTC 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.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>With soldering tip</th>
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<th>Weight (w/o cable)</th>
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<td>0960ED</td>
<td>MULTI-SPRINT solder gun</td>
<td>0832EDLF, ERSADUR</td>
<td>150/75 W/230 V, 50–60 Hz</td>
<td>approx. 15 s</td>
<td>subject to how long the button is pressed</td>
<td>100 g</td>
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Ersa power soldering iron with temperature control

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 long-life 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.

<table>
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<th>Heat-up rating/ heating time</th>
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<td>PTC 70 soldering iron</td>
<td>0832CDLF, ERSADUR</td>
<td>75 W (350 °C)/230 V AC</td>
<td>up to 285 W/ approx. 34 s (290 °C)</td>
<td>250 °C – 450 °C</td>
<td>approx. 60 g</td>
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Ersa power soldering iron with temperature control

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. The heating system with internal PTC heating element immediately reacts to the heat loss and re-heats extremely fast.

The high heating efficiency and the large selection of soldering tips and inserts serve both filigree applications in electronics and applications with standard soldering irons with power up to 150 W. Examples are 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.

<table>
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<th>Rating/ voltage</th>
<th>Heating time (to 280 °C)</th>
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<td>0760CD</td>
<td>MULTI-TC soldering iron</td>
<td>0842CD, ERSADUR</td>
<td>75 W (350 °C)/230 V, 50 – 60 Hz</td>
<td>approx. 34 s</td>
<td>250 °C – 450 °C</td>
<td>66 g</td>
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</table>
**Ersa INDEPENDENT 75 gas soldering sets**

Mobile power – wherever you want! Powerful, with comprehensive and top-quality equipment, small, handy and practically packed. The **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 PROFI-SET**

consisting of 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 and deflector 0G072RE to shrink heat-shrinkable sleeves, tool holder 0A20, cleaning sponge 0006G and sponge container 0G156, packed in a practical plastic case.

**Soldering tip series G 072**, see page 48

**INDEPENDENT 75 BASIC-SET**

consisting of INDEPENDENT 75 gas soldering iron with soldering tip 0G072KN, soldering tips 0G072CN, holder 0A20, cleaning sponge and sponge container, packed in a practical plastic case

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**Ersa INDEPENDENT 130 gas soldering sets**

The “big” gas soldering device from Ersa, 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 line 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 PROFI-SET**

consisting of INDEPENDENT 130 gas soldering iron with soldering tip 0G132KN, soldering tips 0G132CN, 0G132AN and 0G132VN, flame nozzle 0G132BE, hot gas nozzle 0G132HE, hot blade 0G132MN and deflector 0G132RE to shrink heat-shrinkable sleeves, cleaning sponge 0006G and sponge container 0G156, packed in a practical plastic case.

**Soldering tip series G 132**, see page 48

**INDEPENDENT 130 BASIC-SET**

consisting of INDEPENDENT 130 gas soldering iron with soldering tips 0G132KN and 0G132CN, cleaning sponge and sponge container, packed in a practical plastic case

---

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>With tip</th>
<th>Rating</th>
<th>Heating time</th>
<th>Max. tip temperature</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0G07400041</td>
<td>INDEPENDENT 75 BASIC-SET gas soldering set</td>
<td>...KN; ...CN</td>
<td>15 – 75 W</td>
<td>approx. 46 s (280 °C)</td>
<td>approx. 580 °C</td>
<td>73 g</td>
</tr>
<tr>
<td>0G07400141</td>
<td>INDEPENDENT 75 PROFI-SET gas soldering set</td>
<td>...KN; ...CN; ...AN; ...VN; ...BE; ...HE; ...MN; ...RE</td>
<td>15 – 75 W</td>
<td>approx. 46 s (280 °C)</td>
<td>approx. 580 °C</td>
<td>73 g</td>
</tr>
<tr>
<td>0G13400041</td>
<td>INDEPENDENT 130 BASIC-SET gas soldering set</td>
<td>...KN; ...CN</td>
<td>25 – 130 W</td>
<td>approx. 50 s (280 °C)</td>
<td>approx. 580 °C</td>
<td>121 g</td>
</tr>
<tr>
<td>0G13400141</td>
<td>INDEPENDENT 130 PROFI-SET gas soldering set</td>
<td>...KN; ...CN; ...AN; ...VN; ...BE; ...HE; ...MN; ...RE</td>
<td>25 – 130 W</td>
<td>approx. 50 s (280 °C)</td>
<td>approx. 580 °C</td>
<td>121 g</td>
</tr>
</tbody>
</table>
Ersa does not only provide a wide range of standard soldering irons, it is also the first choice when it comes to static solder baths and fitting temperature regulator.

Apart from a wide range of static solder baths with different solder capacities Ersa also provides a large selection of dynamic solder baths namely wave and selective soldering systems. The photo shows a solder bath with multi-wave module of a VERSAFLOW selective soldering system.
Ersa solder baths

Ersa solder baths are electrically heated melting pots for solders. The high-capacity ceramic heating elements are exchangeable and mounted on the pot. They are thermally insulated from the external sheet metal housing.

The T 02, T 03, T 04, T 05, T 06 and T 07 solder baths can be switched to half-power operation. Thanks to the high temperature of approximately 600 °C the T 02 and T 07 baths are especially suitable for tin plating enameled copper wires.

All solder baths are supplied with a 1.5 m connecting cable. To enhance solder quality as well as to reduce oxide formation, and for energy-saving reasons, we recommend the RA 4500 D temperature regulator together with one of the temperature sensors mentioned below.

The T 50 S / T 10 S mini solder baths are primarily used for tin-plating stranded wire braids, connecting leads and cable lugs. The heat resistant special color (order no. 4HMFARBE1) can be applied to the crucible as a protection against corrosion and wetting.

The RA 4500 D temperature regulator can be operated with various solder baths. The solder baths can be connected to the regulator through simple plug connectors. With its five operating programs, the RA 4500 D’s easy program selection allows the user to change quickly between different solder baths.

The station can also be used for simple temperature measurements (Pr5) by means of the temperature sensor (option). Its wide variety of features and great control precision (especially with Ersa solder baths) makes the RA 4500 D especially suitable for production processes with high quality requirements.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating / Voltage</th>
<th>Temperature</th>
<th>Dimensions in mm (L x W x D)</th>
<th>Capacity</th>
<th>Weight</th>
<th>Heating elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>0T55</td>
<td>Solder bath T 50 S</td>
<td>65 W / 230 V</td>
<td>300 °C</td>
<td>28 x 20 x 13</td>
<td>approx. 40 g</td>
<td>370 g</td>
<td>1 pc. 00511001</td>
</tr>
<tr>
<td>0T56</td>
<td>Solder bath T 10 S</td>
<td>130 W / 230 V</td>
<td>340 °C</td>
<td>60 x 30 x 25</td>
<td>approx. 185 g</td>
<td>615 g</td>
<td>1 pc. 0151B0</td>
</tr>
<tr>
<td>0T02</td>
<td>Solder bath T 02</td>
<td>240 W / 230 V</td>
<td>600 °C</td>
<td>25 Ø 47 D</td>
<td>approx. 125 g</td>
<td>1,200 g</td>
<td>1 pc. 0241T0</td>
</tr>
<tr>
<td>0T03</td>
<td>Solder bath T 03</td>
<td>360 W / 230 V</td>
<td>430 °C</td>
<td>100 x 30/15 x 55</td>
<td>approx. 1,000 g</td>
<td>2,300 g</td>
<td>2 pcs. 05X100</td>
</tr>
<tr>
<td>0T04</td>
<td>Solder bath T 04</td>
<td>400 W / 230 V</td>
<td>410 °C</td>
<td>52 x 52 x 84</td>
<td>approx. 1,900 g</td>
<td>3,900 g</td>
<td>4 pcs. 05X100A1</td>
</tr>
<tr>
<td>0T05</td>
<td>Solder bath T 05</td>
<td>500 W / 230 V</td>
<td>440 °C</td>
<td>86 x 68/20 x 90</td>
<td>approx. 2,850 g</td>
<td>3,400 g</td>
<td>2 pcs. 08X800</td>
</tr>
<tr>
<td>0T06</td>
<td>Solder bath T 06</td>
<td>1,000 W / 230 V</td>
<td>560 °C</td>
<td>120 x 80 x 60</td>
<td>approx. 4,800 g</td>
<td>5,200 g</td>
<td>6 pcs. 05X100P2</td>
</tr>
<tr>
<td>0T07</td>
<td>Solder bath T 07</td>
<td>1,200 W / 230 V</td>
<td>660 °C</td>
<td>90 x 90 x 100</td>
<td>approx. 6,400 g</td>
<td>5,500 g</td>
<td>4 pcs. 08X800A5</td>
</tr>
<tr>
<td>0T11</td>
<td>Solder bath T 11</td>
<td>1,600 W / 230 V</td>
<td>450 °C</td>
<td>300 x 60 x 50</td>
<td>approx. 7,500 g</td>
<td>8,000 g</td>
<td>8 pcs. 05X100A3</td>
</tr>
</tbody>
</table>

1 tapered solder pot; 2 VDE tested, all other solder baths are produced according to VDE standards

Ersa temperature regulator RA 4500 D

The RA 4500 D temperature regulator can be operated with various solder baths. The solder baths can be connected to the regulator through simple plug connectors. With its five operating programs, the RA 4500 D’s easy program selection allows the user to change quickly between different solder baths.

The station can also be used for simple temperature measurements (Pr5) by means of the temperature sensor (option). Its wide variety of features and great control precision (especially with Ersa solder baths) makes the RA 4500 D especially suitable for production processes with high quality requirements.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Connected load / voltage</th>
<th>Tolerance</th>
<th>Temperature range</th>
<th>Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>0RA4500D</td>
<td>Temperature regulator</td>
<td>3,000 W 230 V, 50 – 60 Hz</td>
<td>max. ±2 %</td>
<td>50 °C – 600 °C</td>
<td>2-position with P-characteristics</td>
</tr>
<tr>
<td>0F007</td>
<td>Temperature sensor, 8 mm ø</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0F008</td>
<td>Long-life temperature sensor, 3 mm ø</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RA 4500 D

A microprocessor sets new standards with regard to the temperature regulator’s functions and provides comfortable operation of the RA 4500 D.

Fig.: RA 4500 D with optionally available temperature sensor 0F008
High-tech soldering and desoldering, diverse applications and high-precision: easily attained with Ersa top-quality products.

Precise temperature measurement near the soldering tip and a microprocessor controlled heating system guarantees safe lead-free soldering at low temperatures. The high capacity of Ersa soldering stations ensures superior reheat- ing. Even high-mass soldering can be carried out without problems.
Ersa RDS 80 soldering station

The Ersa RDS 80 digital soldering station offers the Ersa RESISTRONIC temperature control, tried and proven for many years and now with 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.

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 34).

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating / Voltage</th>
<th>Heating time</th>
<th>Temperature range</th>
<th>Weight (with cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0RDS80</td>
<td>RDS 80 soldering station complete with RT 80 soldering iron 0890CDJ, soldering tip 0842CD and tool holder 0A39</td>
<td>80 W / 230 V, 50 – 60 Hz / 24 V&lt;br&gt;105 W (280 °C)</td>
<td>approx. 40 s (280 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 130 g</td>
</tr>
<tr>
<td>0ANA60</td>
<td>ANALOG 60 soldering station complete with BASIC TOOL 60 soldering iron 0670CDJ, with soldering tip 0832CDLF and tool holder 0A41</td>
<td>60 W / 230 V, 50 – 60 Hz / 24 V&lt;br&gt;60 W (350 °C)</td>
<td>approx. 60 s (280 °C)</td>
<td>150 °C – 450 °C</td>
<td>60 g</td>
</tr>
<tr>
<td>0ANA60A</td>
<td>ANALOG 60 A soldering station complete with ERGO TOOL soldering iron 0680CDU, with soldering tip 0832CDLF and tool holder 0A42</td>
<td>60 W / 230 V, 50 – 60 Hz / 24 V&lt;br&gt;60 W (350 °C)</td>
<td>approx. 60 s (280 °C)</td>
<td>150 °C – 450 °C</td>
<td>60 g</td>
</tr>
</tbody>
</table>

Ersa ANALOG 60/60 A soldering stations

The electronically temperature-controlled ANALOG 60 soldering station is the basic model of the Ersa soldering station series. It has the tried and proven Ersa RESISTRONIC temperature control technology, with the ceramic PTC heating element serving as the temperature sensor. The high initial power enables fast heat-up.

The large selection of soldering tips allows a broad range of applications. The internal heating provides high thermal efficiency. A front-installed socket with integrated, high-impedance allows potential equalization between the soldering tip and the workplace.

The device is primarily used for smaller and medium-sized solder joints. The low-voltage operated soldering iron BASIC TOOL 60 has a highly flexible, heat-resistant connecting cable.

The electronically temperature-controlled Ersa ANALOG 60 A soldering station is antistatic according to the MIL-SPEC / ESA standard and has all the positive features of the Ersa ANALOG 60.

The light and slim ERGO TOOL soldering iron has a highly flexible, heat-resistant and antistatic connecting cable.

The ANALOG 60 A soldering station is especially suitable for producing small and medium-sized solder joints.

For tip exchange we recommend to use the tip exchanger 3ZT00164 with an additional flat nose pliers and side cutter (see page 34).

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating / Voltage</th>
<th>Heating time</th>
<th>Temperature range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0RDS80</td>
<td>RDS 80 soldering station complete with RT 80 soldering iron 0890CDJ, soldering tip 0842CD and tool holder 0A39</td>
<td>80 W / 230 V, 50 – 60 Hz / 24 V&lt;br&gt;105 W (280 °C)</td>
<td>approx. 40 s (280 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 130 g</td>
</tr>
<tr>
<td>0ANA60</td>
<td>ANALOG 60 soldering station complete with BASIC TOOL 60 soldering iron 0670CDJ, with soldering tip 0832CDLF and tool holder 0A41</td>
<td>60 W / 230 V, 50 – 60 Hz / 24 V&lt;br&gt;60 W (350 °C)</td>
<td>approx. 60 s (280 °C)</td>
<td>150 °C – 450 °C</td>
<td>60 g</td>
</tr>
<tr>
<td>0ANA60A</td>
<td>ANALOG 60 A soldering station complete with ERGO TOOL soldering iron 0680CDU, with soldering tip 0832CDLF and tool holder 0A42</td>
<td>60 W / 230 V, 50 – 60 Hz / 24 V&lt;br&gt;60 W (350 °C)</td>
<td>approx. 60 s (280 °C)</td>
<td>150 °C – 450 °C</td>
<td>60 g</td>
</tr>
</tbody>
</table>
Ersa i-CON – innovative technology for efficient and comfortable hand soldering

Ensuring quality in lead-free soldering is a huge challenge for hand soldering. Consequently the users have a wide range of requirements a modern hand soldering tool should meet: It should be small, light-weight and ergonomic. It may not become too hot during the soldering process. And it has to provide high power and efficiency for fast heat-up and recovery during soldering. In addition, tip exchange should be quick and easy, and the station’s operation and programming should be simple and user-friendly.

The stations of the Ersa i-CON series fully comply with these requirements. Various models are available that all convince with innovative technology – from the smallest and cheapest station, the i-CON PICO, up to the new flagship, the i-CON VARIO 4. Low-cost exchangeable tips and the intelligent standby function provide for low operating costs, high economic efficiency and considerable energy savings.
The engineering goal behind the i-CON was to invent a new soldering iron which outperforms the competitive tip-cartridge irons, and works with low-cost, exchangeable tips at the same time.

Mission accomplished: Ersa’s 150 W i-TOOL clearly exceeds the market’s expectations for a high-powered, micro soldering iron with low-cost tips. The i-TOOL „Silver Bullet” heating element represents the most significant heating element design accomplishment in Ersa’s over 90-year-history.

With its rapid recovery and ultra low weight i-TOOL (approx. 30 gr.), the extensive i-TIP soldering tip range, as well as the Process Window Alarm, Energy Levels and Motion Sensor for Auto-Sleep functions, i-CON users worldwide are benefiting from the highest level of process control ever seen in the industry.

Tremendous savings in tip costs make this line even more attractive. The extensive range of standard and special tips offers an unparalleled level of flexibility even for the most difficult and unconventional applications.

The i-CON product range is antistatic and includes both single and double iron stations for use of various soldering and desoldering tools. Equipped with an interface, the i-CON C stations can additionally control peripheral systems such as fume extractions or heating plates.

Ersa has succeeded in designing one of the smallest, lightest and most powerful soldering irons in the world – the Ersa i-TOOL. The true value added for our customers lies not only in the fact that it will increase both the hand soldering quality and productivity, but also in a tremendous reduction of operational costs associated with manual soldering.

Ersa’s new technology offers – compared to the soldering irons with expensive heating cartridge tips – a standard low-cost, long-life exchangeable tip for a similar performance!

The Ersa i-CON advanced digital power supply offers Ersa’s “One Touch” easy-to-use operation with the new i-Op Control, as well as numerous value added functions.

**Power level settings:**
Three different power level settings are available which control the heating element overshoot depending on the heat required.

**Process window and alarm:**
Signals the operator if the temperature leaves the pre-set process window.

**Automatic standby:**
Recognizes when the iron is not used and automatically reduces the temperature to a standby temperature after expiration of a pre-determined standby time.

**i-TOOL calibration:**
Unlike other systems, the microprocessor which stores the temperature calibration of the iron is actually located in the PCB which is installed in the handle. This now allows for each individual i-Tool to be calibrated independent of the station.

Thus, the operator can choose the right setting for the right job – either more power or more control! Power level “Low” guarantees no overshoot for maximum component safety!

The i-TOOL 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 Process Window Alarm enables a repeatable soldering quality for the operator.

1. Low-cost i-TIP (Consumable, easy to change, long-life)
2. i-TIP fastener available in black or green
3. High-power heating element (stick-on type, long-life)
Ersa i-CON: innovative lead-free hand soldering

i-CON matrix

|i-soldering tools & auxiliary systems|
|---|---|---|---|---|---|---|---|---|---|
|i-CON control stations| i-TOOL PICO| i-TOOL NANO| i-TOOL AIR S| CHIP TOOL| CHIP TOOL VARRIO| X-TOOL| IR heating plate| EasyArm 110 i| EasyArm 55 i|
|i-CON PICO| | | | | | | | |
|i-CON NANO| | | | | | | | |
|i-CON| | | | | | | | |
|i-CON1| | | | | | | | |
|i-CON2| | | | | | | | |
|i-CON1 C| | | | | | | | |
|i-CON2 C| | | | | | | | |
|i-CON VARIO 2| | | | | | | | |
|i-CON VARIO 4| | | | | | | | |

Ersa i-CON PICO soldering station

The **i-CON PICO** station offers the beginner all essential features of a soldering station, such as fastest heat-up and heat recovery, standby function and calibration mode. Due to the i-CON PICO’s simple and user-friendly operating concept, the factory settings provide for a variable adjustment of operating temperature as well as setting of standby time and calibration value. Using the free-of-charge PC software and by an optional micro smart SD card further setting options like fixed temperatures, energy level, interlock and shutdown functions are available.

The technological master plan of the i-CON PICO assures that the optimal parameters are used for each application. Hereby the i-CON PICO stands for highest process stability and quality control at low investment costs and operation expenses. The automatic standby and shutdown function provide for energy savings and an increased tip lifetime.

The i-CON PICO comes fully equipped with the i-TOOL PICO soldering iron. This ultra-light and powerful iron uses exactly the same heating element technology as his larger brothers of the Ersa i-TOOL family. A wide range of cost-effective soldering tips is available for the i-TOOL line.

**Order no.** | **Description** | **Dimensions (L x W x H)** | **Rating / Voltage** | **Temperature range** | **Heating time**
---|---|---|---|---|---
01C1300 | i-CON PICO soldering station complete, i-TOOL PICO (0130CDK) soldering iron with soldering tip 0102CDLF16 and holder 0A53. | 145 x 80 x 103 mm | max. 80 W/230 V, 50 Hz, max. 80 W (350 °C) | 150 °C – 450 °C | 9 s

Software download: www.ersa.com/pico
Ersa i-CON NANO soldering station

The fully antistatic i-CON NANO soldering station, satisfies all needs of today’s industrial manufacturing requirements combined with lowest space requirement. It is predestined for the continuous operation in electronic production as well as for special applications in laboratories and development.

Due to the i-CON NANO’s simple and user-friendly operating concept, the factory settings provide for a variable adjustment of operating temperature as well as setting of standby time and calibration value.

Using the free-of-charge PC software and by an optional micro smart SD card further setting options like fixed temperatures, energy level, interlock and shutdown functions are available.

The technological master plan of the i-CON NANO assures that the optimal parameters are used for each application. Hereby the i-CON NANO stands for highest process stability and quality control with regard to low investment costs and operation expenses.

i-CON NANO
Software download: www.ersa.com/nano

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating/voltage</th>
<th>Heating time</th>
<th>Temperature range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICN120A</td>
<td>i-CON NANO soldering station complete with i-TOOL NANO soldering iron (0120CDK), soldering tip 0102CFLF16 and holder 0A50 with dry sponge 0008M</td>
<td>max. 80 W / 230 V, 50 Hz, max. 80 W (350 °C)</td>
<td>approx. 9 s (350 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g</td>
</tr>
<tr>
<td>ICI28</td>
<td>Micro SD card with i-CON NANO software and card reader</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Small, strong & intelligent:
The Ersa i-CON NANO packs a punch!

Designed for continuous use in professional industrial companies, the new Ersa i-CON NANO also offers smaller companies a more budget-oriented solution for top-quality hand soldering applications.

The i-CON NANO comes fully equipped with the i-TOOL NANO soldering iron. This ultra light and powerful iron uses exactly the same heating element technology as his larger brother, the Ersa i-TOOL.

Features and options:
1. Small footprint (145 x 80 mm) – saves valuable workbench space
2. Fully antistatic according to MIL-SPEC/ESA standards
3. Three fixed temperature settings or continuous temperature setting from 150 °C up to 450 °C
4. Three selectable energy levels
5. Ultra light and ergonomically designed i-TOOL NANO with max. 80 W of power
6. Large spectrum of low-cost & long-life replaceable soldering tips
7. Automatic standby function and non-operative mode saves energy & tip life
8. Password lockout function for increased process control
9. Calibration function for exact tip temperatures
10. Complete system parameterization via simple PC software and micro SD card

i-TOOL NANO soldering iron

Soldering tip series 102 see page 40/41

Micro SD card with SD card and USB adapter
Ersa i-CON1 soldering station

The i-CON product range is antistatic and includes both single and double iron stations for use of various soldering and desoldering tools. Equipped with an interface, the i-CON C stations can additionally control peripheral systems such as fume extractions or heating plates.

Ersa’s technology offers – compared to the soldering irons with expensive heating cartridge tips – a standard, long-life exchangeable tip at low costs!

The Ersa i-CON advanced digital power supply offers Ersa’s “One Touch” easy-to-use operation with i-Op Control, as well as numerous value added functions.

Please refer to page 15 for further information on the technical highlights of the Ersa i-CON.

Ersa i-CON C stations – neat solutions for the workbench

Today’s modern hand soldering/touch-up workbench must meet the specific requirements of a demanding operator. In this context two fundamental requirements are all important:

1. Having the right tool and the right amount of power to handle all jobs safely and efficiently
2. An organized and ergonomically set up working area which guarantees maximum productivity and operator satisfaction.

The i-CON C family of professional soldering stations are setting a new standard for today’s workbench. Whether for TH or for SMT applications, the i-CON C offers the perfect tool for the job.

The 150 W i-TOOL has one of the largest ranges of standard and special tips and clearly outperforms the competition for high-mass applications.

The 120 W X-TOOL is a high-powered desoldering iron for the toughest TH applications. The 60 W CHIP TOOL is an ergonomically designed heated pair of tweezers for safe and rapid removal of small to medium sized SMTs as well as for small TH Dip packages.

The i-CON C comes as either a single or a double tool station both with stacking rack capability.
Ersa i-CON1 C and i-CON2 C – one control unit for preheating, soldering, fume extraction

The most exciting aspect of the i-CON C is its capability to control the two most important peripheral systems on the workbench – the Ersa IR heating plate and the Ersa EASY ARM fume extraction systems. All hand soldering tasks can be handled more rapidly and more safely when the assembly is preheated during the touch-up.

The proven IR heating plate technology which comes directly out of Ersa’s world renowned IR rework product line offers bottom-side preheating for hand soldering, desoldering and touch-up applications. The safe yet powerful medium wavelength IR preheating system offers a tremendous benefit to today’s workbench. Working temperatures of the soldering iron, heated SMD tweezers and/or desoldering iron can be greatly reduced. Lower tip temperatures decrease the risk of PCB damage while at the same time greatly increasing tip lifetime!

Finally, the intelligent fume extraction units Ersa EASY ARM EXTRACTION EA 110 plus i and EA 55 i are compact and powerful systems to efficiently clean soldering process air at the workbench. Combined with up to two i-CON1 C or i-CON2 C soldering stations, connected with an interface cable, these filter systems open up a completely new dimension of intelligent solder fume filtration. The extraction unit is only working while at least one of the attached soldering stations is in operation. When both i-CON units rest in the “standby” mode, the EA 110 plus i or EA 55 i will automatically switch off. Filter usage times will increase, energy costs and operation noise level will be significantly reduced to a minimum.

Green i-TIP fastener to distinguish the lead-free tip from the conventional one when soldering lead-free and conventional joints at one station.

Fully equipped i-CON1 C workplace with i-CON1 C station, i-TOOL, IR heating plate and solder fume extraction EA 55 i.

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

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating/Voltage</th>
<th>Heating time</th>
<th>Temperature range</th>
<th>Weight (w/o cable )</th>
</tr>
</thead>
<tbody>
<tr>
<td>0IC1100A</td>
<td>i-CON1 electronic station complete with i-TOOL soldering iron 0100CDJ with</td>
<td>80 W/230 V, 50 Hz, max. 150 W</td>
<td>approx. 9 s (350 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g</td>
</tr>
<tr>
<td></td>
<td>soldering tip 0102CDLF16, holder 0A50 and dry sponge 0008M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0IC1100A0C</td>
<td>i-CON1 C electronic station with D-Sub connector, complete with i-TOOL</td>
<td>80 W/230 V, 50 Hz, max. 150 W</td>
<td>approx. 9 s (350 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g</td>
</tr>
<tr>
<td></td>
<td>soldering iron 0100CDJ with soldering tip 0102CDLF16, holder 0A50 and dry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sponge 0008M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0IC2000A0C</td>
<td>i-CON2 electronic station with D-Sub connector, complete with i-TOOL</td>
<td>80 W/230 V, 50 Hz, max. 150 W</td>
<td>approx. 9 s (350 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g</td>
</tr>
<tr>
<td></td>
<td>soldering iron 0100CDJ with soldering tip 0102CDLF16, holder 0A50 and dry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>sponge 0008M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Ersa i-CON2 soldering station

Today's PCBs are becoming more complex due to smaller components and a more densely populated. In order to meet these difficult hand soldering touch-up and repair challenges, Ersa continues to be a market leader in supplying special tools for special applications.

The i-CON2 offers all the value-added features of the revolutionary i-CON in a double iron digital station with multiple soldering and/or desoldering tools for maximum flexibility.

Developing the i-TOOL Ersa has created one of the smallest, lightest and most powerful soldering irons in the world. The true value added for our customers lies not only in the fact that it will increase both the hand soldering quality and productivity, but also in a tremendous reduction in operational costs associated with manual soldering.

The i-CON2 (order no. 0IC2000AIT) is supplied with 2 i-TOOL soldering irons.

Ersa i-CON2 SMT soldering/desoldering station

The CHIP TOOL is based on a “Best Seller” in rework tools, but has been re-designed for improved ergonomics and precision repair. This newly designed heated pair of tweezers offers a wide range of SMT desoldering tips for safe and fast removal of the smallest chips (0201, 0402, etc.) up to medium size PLCCs. Even large PLCCs up to 84 pins can be removed safely when using the CHIP TOOL in combination with the IRHP 100 A/IRHP 200 heating plate (see page 32).

The i-CON2 soldering station with order no. 0IC2000AC is equipped with one i-TOOL soldering iron and one pair of CHIP TOOL desoldering tweezers. Thus this station is perfectly suited for SMD soldering and desoldering applications.

i-CON2
with two i-TOOL soldering irons with micro heating element; order no. 0IC2000AIT
Soldering tip series 102 see page 40/41

i-TOOL soldering iron with micro heating element.
Soldering tip series 102 see page 40/41

i-CON2
with i-TOOL soldering iron with micro heating element and CHIP TOOL;
order no. 0IC2000AC
Soldering tip series 102 see page 40/41
Desoldering tip series 422/452 see page 45

IRHP 200 (option) infrared rework heating plate, see page 32
CHIP TOOL application example
CHIP TOOL desoldering tweezers for safe desoldering of heat-sensitive SMD components
Ersa i-CON2 desoldering station

The X-TOOL is an extremely high powered desoldering iron which has been specifically designed for the toughest through-hole desoldering applications on the heaviest of PCBs. Safe lead-free desoldering is much more challenging due to the higher process temperatures and will require a desoldering tool which can function effectively at the lowest possible temperature.

The Ersa X-TOOL with 120 W allows operators to conduct through-hole repair at the lowest and safest temperatures possible. The unique “Heat Reservoir” concept guarantees the shortest dwell times and the tip temperature control guarantees fastest recovery. The X-TOOL must be used in combination with the CU vacuum unit.

The i-CON2 soldering station with order no. 0IC2000AXT is equipped with an i-TOOL soldering iron and X-TOOL desoldering iron.

**X-TOOL – powerful desoldering iron for safe desoldering of heat-sensitive through-hole components**

**i-CON2** with i-TOOL soldering iron with micro heating element and X-TOOL; order no. 0IC2000AXT

Soldering tip series 102 see page 40/41,
Desoldering tip series 722 see page 43

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<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating/voltage</th>
<th>Heating time</th>
<th>Temperature range</th>
<th>Weight (w/o cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0IC2000A</td>
<td>i-CON2 electronic station, complete with i-TOOL soldering iron 0100CDJ with soldering tip 0102CDLF16 and holder 0A50, complete</td>
<td>150 W/230 V, 50 Hz 150 W</td>
<td>approx. 9 s (350 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g</td>
</tr>
<tr>
<td>0IC2000AC</td>
<td>i-CON2 electronic station, complete with i-TOOL soldering iron 0100CDJ with tip 0102CDLF16, CHIP TOOL desoldering tweezers 0450MDJ with tips 0452MDLF020, holders 0A50 and 0A43, complete</td>
<td>150 W/230 V, 50 Hz 150 W 2 x 20 W (350 °C)</td>
<td>approx. 9 s (350 °C) subject to tips</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g approx. 75 g</td>
</tr>
<tr>
<td>0IC2000AT</td>
<td>i-CON2 electronic station, complete with 2 i-TOOL soldering irons 0100CDJ with soldering tip 0102CDLF16, and 2 holders 0A50, complete</td>
<td>150 W/230 V, 50 Hz 150 W</td>
<td>approx. 9 s (350 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g</td>
</tr>
<tr>
<td>0IC2000AXT</td>
<td>i-CON2 electronic station, complete with vacuum unit 0CU103A i-TOOL soldering iron 0100CDJ with tip 0102CDLF16, X-TOOL desoldering iron 0720EDJ with tip 0722ED1226, holders 0A50 and 0A44, complete</td>
<td>150 W/230 V, 50 Hz 45 W 150 W</td>
<td>approx. 9 s (350 °C) subject to application</td>
<td>150 °C – 450 °C</td>
<td>approx. 30 g approx. 240 g</td>
</tr>
</tbody>
</table>
**Ersa i-CON VARIO 2 multi-channel station**

The **i-CON VARIO 2** multi-channel soldering and desoldering station can operate two soldering tools at the same time: In addition to the i-TOOL AIR S hot air iron (200 W) the user can plug in the i-TOOL soldering iron (150 W) for classical soldering applications or the new CHIP TOOL VARIO desoldering tweezers (80 W). Alternatively the i-CON VARIO 2 can operate further Ersa soldering tools.

Just like any other i-CON model the compact and ESD safe station offers the well-known simple and clear "i-CON operability". And just like the larger i-CON VARIO 4, the i-CON VARIO 2 comes standard with interfaces for the Ersa solder fume extraction units and heating plates. The simple and safe configuration with a micro SD memory card is a further standard feature of the i-CON VARIO 2.

**i-CON VARIO 2**

antistatic multi-channel soldering and desoldering station with i-TOOL AIR S hot air tool and CHIP TOOL VARIO desoldering tweezers, order no. 0ICV2000AC.

**Choose your configuration from 4 professional i-CON VARIO tools**

**i-TOOL AIR S**

Ergonomic, handy, strong in performance – that is a particularly apt description of the i-TOOL AIR S. The slim and light handle holds a heating cartridge with 200 W power permitting the user to process a wide range of SMDs in a non-exhausting way.

The hot air volume can very easily be adjusted directly at 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.

The air volume can be measured out exactly, also for soldering most delicate chip resistors. Various nozzle sizes are available for an optimal component heat-up.

**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 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.

Just like the i-TOOL soldering iron, the CHIP TOOL VARIO is equipped with the proven and reliable motion sensor to activate it out of standby.

**i-TOOL**

i-TOOL soldering iron with micro heating element

**X-TOOL**

X-TOOL – powerful desoldering iron for safe desoldering of heat-sensitive through-hole components

Choose your configuration from 4 professional i-CON VARIO tools
Ersa i-CON VARIO 4 multi-channel station

i-CON VARIO 4
antistatic multi-channel soldering and desoldering station
with X-TOOL desoldering iron, i-TOOL AIR S hot air iron, CHIP TOOL VARIO desoldering tweezers and i-TOOL soldering iron

The i-CON VARIO 4 multichannel soldering and desoldering station meets highest demands in the field of professional soldering and desoldering. It is the i-CON family’s flagship and offers the user 4 tools for demanding soldering tasks: the new, ergonomic i-TOOL AIR S hot air iron with 200 W for flexible soldering and desoldering with non-contact energy transfer; the i-TOOL with 150 W for efficient soldering; the new CHIP TOOL VARIO desoldering tweezers with 80 W for precise desoldering of most delicate SMDs and the well-proven X-TOOL with 120 W for desoldering through-hole components. Alternatively the i-CON VARIO 4 can operate further Ersa soldering tools.

All functions, including air and vacuum units are integrated in the central supply unit featuring Ersa’s well-known i-Op operation and clearly arranged displays. Furthermore the station has interfaces to connect Ersa solder fume extraction units or infrared heating plates as well as a USB port. The configuration of the station is quick and easy via micro SD card leaving it optimally prepared for all applications in professional electronics production. The i-CON VARIO 4 is perfectly suited for the use in ESD protected zones.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating/voltage</th>
<th>Vacuum</th>
<th>Air flow</th>
<th>Temperature range</th>
<th>Weight (w/o cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OICV403A</td>
<td>i-CON VARIO 4 electronic station</td>
<td>max. 500 W/230 V, 50 Hz</td>
<td>max. 700 mbar</td>
<td>2 – 20 l/min</td>
<td>150 – 450 °C (50 – 550 °C – i-TOOL AIR S)</td>
<td></td>
</tr>
<tr>
<td>OICV203A</td>
<td>i-CON VARIO 2 electronic station</td>
<td>max. 200 W/230 V, 50 Hz</td>
<td>max. 700 mbar</td>
<td>2 – 20 l/min</td>
<td>150 – 450 °C (50 – 550 °C – i-TOOL AIR S)</td>
<td></td>
</tr>
<tr>
<td>OICV203AP</td>
<td>i-CON VARIO 2 electronic station</td>
<td>max. 200 W/230 V, 50 Hz</td>
<td>max. 700 mbar</td>
<td>2 – 20 l/min</td>
<td>150 – 450 °C (50 – 550 °C – i-TOOL AIR S)</td>
<td></td>
</tr>
<tr>
<td>0470BRJ</td>
<td>i-TOOL AIR S hot air iron</td>
<td>200 W</td>
<td>approx. 90 g</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0100CDJ</td>
<td>i-TOOL soldering iron</td>
<td>150 W</td>
<td>approx. 30 g</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0460MDJ</td>
<td>CHIP TOOL VARIO desoldering tweezers</td>
<td>2 x 40 W</td>
<td>approx. 75 g</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>0720EDJ</td>
<td>X-TOOL desoldering iron</td>
<td>2 x 60 W</td>
<td>approx. 240 g</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contents/order no.  | 0ICV2000A | 0ICV2000AI | 0ICV2000AC | 0ICV2000AX | 0ICV4000A | 0ICV4000AI | 0ICV4000AC | 0ICV4000AX |
<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>i-CON VARIO 2</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
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<td></td>
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<tr>
<td>i-CON VARIO 4</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i-TOOL AIR S</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i-TOOL</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>CHIP TOOL VARIO</td>
<td>1x</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>X-TOOL</td>
<td>1x</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tool holders</td>
<td>1x</td>
<td>2x</td>
<td>2x</td>
<td>2x</td>
<td>1x</td>
<td>2x</td>
<td>3x</td>
<td>4x</td>
</tr>
</tbody>
</table>
The Ersa DIGITAL 2000 A is a top-class microprocessor-controlled soldering station distinguished by its flexibility and multifunctionality. It is antistatic according to the MIL-SPEC/ESA standard and designed for industrial use where high quality is demanded and for repairs and laboratory applications.

The station can alternatively be operated with various soldering and desoldering tools. Besides the POWER TOOL and TECH TOOL universal soldering irons, the MICRO TOOL micro-soldering iron, the CHIP TOOL desoldering tweezers and the X-TOOL desoldering iron can be connected.

The tools are automatically detected when inserted, and the control characteristics are adapted accordingly. The soldering and desoldering tips are then always connected with high impedance to the front-installed potential equalization socket.

The station is easy to operate and user-friendly. The desired temperatures, the unit of temperature (°C/°F), the standby time of 0 to 60 minutes, a tip offset and calibration feature and a three-character password-controlled lock can all be set with just three buttons and a simple menu guide. The energy feature allows you to influence the heat-up and reheating characteristics.

In addition, the soldering station has 4 programs. Each program can be separately and differently configured with the aforementioned functions.

A fixed program is assigned to each soldering and desoldering tool. The station automatically changes the program in case of a tool change.

If only one tool is used, then all programs can be used with this tool. A 5th program slot contains a temperature measuring function. For this purpose the temperature sensor DIG207 is required.

The calibration feature allows the actual soldering tip temperature to be precisely adjusted to the temperature shown in the LED display. For this purpose a suitable soldering tip temperature measuring device, such as the Ersa DTM series (see page 33), is required.

The Ersa DIGITAL 2000 A soldering station regulates the temperature through a digital PID algorithm, optimized for very precise and fast temperature control.

All connectable soldering and desoldering devices have enormous power reserves thanks to the PTC heating elements located inside the tips.

At a peak temperature of 280 °C the following power is available, for example:

- **POWER TOOL** – 105 W
- **TECH TOOL** – 70 W
- **MICRO TOOL** – 30 W
- **CHIP TOOL** – 2 x 30 W
- **X-TOOL** – 120 W.

These power reserves also ensure safe and top-quality soldering and desoldering results.

All soldering and desoldering tools are operated at the low voltage of 24 V and have a highly flexible, heat-resistant and antistatic connecting cable.

For tip changes we recommend the tip exchanger 3ZT00164 with flat nose pliers and side cutter (see page 34).
Ersa **DIGITAL 2000 A** desoldering station with vacuum unit

This desoldering station is suitable for removing residual solder and for desoldering wired components, even from multi-layer PCBs. The station consists of the Ersa **DIGITAL 2000 A** described on page 24, a vacuum unit with the **X-TOOL** desoldering iron and the 0A44 tool holder. The desoldering tip is heated by two PTC heating elements.

A thermocouple temperature sensor near the desoldering tip immediately reacts to any heat loss. Practically delay-free reheating is therefore ensured.

The vacuum to suck up the liquefied solder is immediately available when the push-button is pressed.

The recesses of the tool holder 0A44 allow exchanging inserted soldering tips, even when hot, without an additional tool.

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**X-TOOL with Vacuum Unit**

with electronic station 0DIG203A and Ersa SENSOTRONIC control system

Desoldering tip series **722** see page 43

Figure with optional stacking rack

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### Ersa **SMD 8014** tip holder

The **SMD 8014** tip holder is equipped with the latest soldering tips or desoldering tip pairs, in particular for SMD technology. Tips can be stored neatly arranged in a space-saving way for quick access.

The range of soldering tips and desoldering tip pairs with the component-specific dimensions can be found on pages 40, 41 and 46.

All soldering tips and desoldering tip pairs are manufactured according to the ERSADUR process. They have excellent thermal conductance and a long service life.

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### Soldering/desoldering stations

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating/ Voltage</th>
<th>Heating time</th>
<th>Temperature range</th>
<th>Weight (w/o cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0DIG20A84</td>
<td>DIGITAL 2000 A electronic station, complete with POWER TOOL soldering iron 0840CDJ with soldering tip 0842CDLF and holder 0A42, complete</td>
<td>80 W/230 V, 50 – 60 Hz/24 V 80 W (350 °C)</td>
<td>approx. 40 s (280 °C)</td>
<td>50 °C – 450 °C</td>
<td>1.25 kg approx. 50 g</td>
</tr>
<tr>
<td>0DIG20A64</td>
<td>DIGITAL 2000 A electronic station, complete with TECH TOOL soldering iron 0640ADJ with soldering tip 0612ADLF and holder 0A42, complete</td>
<td>80 W/230 V, 50 – 60 Hz/24 V 60 W (350 °C)</td>
<td>approx. 12 s (280 °C)</td>
<td>50 °C – 450 °C</td>
<td>approx. 50 g</td>
</tr>
<tr>
<td>0DIG20A27</td>
<td>DIGITAL 2000 A electronic station, complete with MICRO TOOL soldering iron 0270BDJ with soldering tip 0212BDLF and holder 0A42, complete</td>
<td>80 W/230 V, 50 – 60 Hz/24 V 20 W (350 °C)</td>
<td>approx. 50 s (280 °C)</td>
<td>150 °C – 450 °C</td>
<td>approx. 25 g</td>
</tr>
<tr>
<td>0DIG20A45</td>
<td>DIGITAL 2000 A electronic station, complete with CHIP TOOL desoldering tweezers 0450MDJ with tips 0452MDLF020 and holder 0A43, complete</td>
<td>80 W/230 V, 50 – 60 Hz/24 V 2 x 20 W (350 °C)</td>
<td>subject to tips</td>
<td>150 °C – 450 °C</td>
<td>approx. 75 g</td>
</tr>
<tr>
<td>0DIG20AXT</td>
<td>DIGITAL 2000 A electronic station, complete with vacuum unit 0CU103A (vacuum 800 mbar max.) X-TOOL desoldering iron 0720EDJ with tip 0722ED1226 and holder 0A44, complete</td>
<td>80 W/230 V, 50 – 60 Hz/24 V 45 W 2 x 60 W (350 °C)</td>
<td>subject to application</td>
<td>50 °C – 450 °C</td>
<td>1.25 kg approx. 240 g*</td>
</tr>
</tbody>
</table>

* incl. tip and cable

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**Ersa SMD 8014**

Soldering tip series 102 see page 40, desoldering tip series 422 and 452 see page 45

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The **HR 100 A** uses Ersa’s revolutionary and patented Hybrid Rework Technology for safe removal and replacement of small SMDs in a lead-free environment. 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 homogeneous heat to lead-free components sizing from 0201s to 20 x 20 mm SMDs and even larger. Exchangeable Hybrid Adaptors focus 200 W of safe hybrid heating power onto the component while protecting neighboring areas from blowing away adjacent chips.

The user-friendly operation allows for even non-experienced operators to handle the HR 100 A safely and quickly. Advanced operators using the HR/IRHP 100 A complete system can not only set air volume and heating power levels, but they can also run and record profiles! The ergonomically designed HYBRID TOOL handle contains a positioning laser which helps the operator to focus the heat precisely throughout the entire process.

**Technical highlights:**
- HYBRID TOOL with 200 W heating element; positioning laser in the HYBRID TOOL handle
- Three exchangeable hybrid adaptors (6 x 6 mm, 10 x 10 mm and 20 x 20 mm)
- Low noise rework blower (below 40 dB)
- Integrated vacuum pump & VAC-PEN, tool holder and K-type TC input socket, USB interface, LED display, “Turn & Push” control
- 1 channel temperature recording: AccuTC and Flexpoint TC holder (optional)
- HYBRID TOOL holder with axis height adjust & lock
- X-Y PCB board holder (290 mm x 250 mm)
- 800 W IR heating plate with glass cover: 125 mm x 125 mm high-performance IR heating element
- Closed loop profiles with Ersa IR-SOFT rework documentation software, user level access

**HR 100 A and IRHP 100 A**

with HYBRID TOOL rework iron with patented heating technology, hybrid adapters, IRHP 100 A IR heating plate, Z-axis tool stand, X-Y PCB holder and VAC-PEN vacuum pipette

Detailed information on these systems as well as further Ersa rework systems is available in our brochure “Ersa Inspection & Rework”.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Rating / Voltage</th>
<th>Heated area</th>
<th>Weight (w/o. cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0IRHR100A</td>
<td>HR 100 A hybrid rework system, complete with HYBRID TOOL rework iron 0IRHR100A-01, VAC-PEN vacuum pipette 0VP020, hybrid adaptors 0IRHR100A-14, -15, -16 and adaptor changer 0IRHR100A-24</td>
<td>200 W/230 V, 50 – 60 Hz</td>
<td>6 x 6 mm up to 20 x 20 mm</td>
<td>300 g</td>
</tr>
<tr>
<td>0IRHR-ST050</td>
<td>Hybrid rework tripod, complete</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Ersa **DIP & PRINT STATION** for solder paste printing

The user of an Ersa rework system can prepare components (application of solder paste or flux) in an easy, reliable and reproducible manner with the Ersa **DIP & PRINT STATION**.

Optionally available dip stencils permit – using defined parameters – to immerse the components into flux or solder paste, building up a defined depot on the contacts to be soldered. This method is suitable for BGAs and for most fine-pitch components. Using a component specific print stencil, solder paste depots can be easily and precisely be added on QFN/MLF pins, for example, and on pins of other SMD components.

In the printing process, the solder paste is applied from below onto the component fixed in the print stencil. The component is then lifted off the stencil with the placement unit and positioned on the board.

A fitting frame fixation is available for every Ersa rework system to install the DIP & PRINT STATION’s stencil frame on the placement unit.

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**Features DIP & PRINT STATION**

- Easy solder paste printing on the component
- Component dip-in for solder paste or flux
- Fits for every Ersa rework system
- Easy stencil exchange
- Easy cleaning

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<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0PR100</td>
<td>DIP &amp; PRINT STATION</td>
</tr>
<tr>
<td>0PR100-PL550</td>
<td>Frame fixation for PL 550</td>
</tr>
<tr>
<td>0PR100-PL650</td>
<td>Frame fixation for PL 650</td>
</tr>
<tr>
<td>0PR100-D001</td>
<td>Dip stencil, 40 x 40 mm / 300 µm</td>
</tr>
<tr>
<td>0PR100-D002</td>
<td>Dip stencil, 20 x 20 mm / 150 µm</td>
</tr>
<tr>
<td>0PR100-D003</td>
<td>Dip stencil, 20 x 20 mm / 100 µm</td>
</tr>
</tbody>
</table>

Connecting pads of SMD components may have tolerances and significant deviations. Therefore print stencils can be offered and produced after exact technical review.

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MLF 32 with solder paste printed on the bottom  
Dip stencil, 20 x 20 mm, 150 µm  
Top side of a MLF 32 print stencil
Noxious gases develop in every soldering process due to the use of fluxes. This aspect, together with the fact that flux condensate on the PCB can cause problems, results in an increased requirement to use solder fume extraction systems, also with regard to quality.

Ersa EASY ARM solder fume extractions ensure clean boards and a healthy environment in an efficient and economic way when hand soldering. They clear off an entire working area via large nozzles which are available in different designs.

The Ersa CLEAN-AIR systems with their robust, long-life metal housings are very compact and flexible in their application. Their noise level is pleasantly low. Due to the intelligent interface for the i-CON C soldering stations, the extraction units automatically switch into standby mode as soon as the station connected does which considerably saves energy costs and resources.
The intelligent filter unit Ersa EASY ARM EXTRACTION EA 55 i is a compact and powerful system to efficiently clean soldering process air at the workbench. Utilized with either the i-CON1 C or i-CON2 C soldering stations, connected with an interface cable, this filter system opens up a completely new dimension of intelligent solder fume extraction. 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. Filter usage times are increased, energy costs and operational noise level are significantly reduced.

Due to the variable and easy to change mounting of the unit it can be used in virtually any industrial environment. The solder fume filtration occurs in three stages: First a pre-filter to capture the large particles which results in a longer filter life for the more expensive second stage HEPA particulate filter which removes all the remaining hazardous particles. Thirdly the activated carbon gas filter adsorbs any harmful gas molecules. A powerful blower guarantees an adequate airflow throughout the filter life. When the filter needs changing an optical alarm is triggered.

A very low noise level is another feature of this filter unit. Quiet operation in a robust metallic case allows running the system in basically all industrial surroundings from, testing floor and laboratories to electronic production.

**Activated carbon absorbs dangerous gas molecules**

**Table clamp, order no. 3CA09-4005**

**0CA09-3005**
Standby switch

**EA 55 i**
Powerful solder fume extraction unit for the workbench, supplied with a 1 m extraction arm and connection cable for one i-CON1 C or i-CON2 C.

**Order no. Description Dimensions (L x W x H) Rating/voltage Volume flow/vacuum Noise level Filter**

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Dimensions (L x W x H)</th>
<th>Rating/voltage</th>
<th>Volume flow/vacuum</th>
<th>Noise level</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0CA09-001</td>
<td>Ersa EASY ARM EXTRACTION EA 55 i filter unit, complete</td>
<td>290 x 270 x 410 mm</td>
<td>75 W / 100 – 250 V 50 – 60 Hz</td>
<td>105 m³/h max. / 1,400 Pa</td>
<td>56 dB (A)</td>
<td>HEPA activated carbon</td>
</tr>
</tbody>
</table>
The EA 110 plus i filter unit is a compact and efficient system with economical air recirculation. Thanks to the continuously variable suction power, the unit can be adapted to any given situation. It can suction the solder fumes from one or two workplaces effectively and economically.

The variable setup and installation options allow use even where space is limited.

The solder fumes are filtered in two stages: first, the particulate filter removes smallest suspended particles from the suctioned air. Harmful gases are then absorbed in the activated carbon filter.

The powerful suction turbine provides a nearly constant suction flow during the filter’s entire service life. The filtering action is monitored by means of a time limit and constant monitoring of the suction power. As soon as a filter change is necessary the user is promptly notified by visual and acoustic signals.

For protection of the drive motor, the Ersa EA 110 plus i has an automatic cut-off feature.

The combination filter can be changed fast and easily without tools after the housing top has been removed.

Two suction arms, three suction nozzles and a check valve are available for different work conditions.

The plug-in system with its flexible suction arms allows fast adaptation to altered conditions at the soldering workplace.

Especially noteworthy is the low noise level, allowing use of the device not only in production, but also in repairs, engineering and in the lab. The decentralized design requires no extensive pipe system and offers the greatest possible flexibility.

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**EA 110 plus i**

Powerful solder fume extraction unit for the workbench for up to 2 extraction arms. Please select the extraction arms and nozzles suitable for your requirements from our wide range of accessories.

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### Accessories for EA 110 plus i

**3CA06-4001**

Extraction arm with 700 mm flexible hose, incl. connecting hose, table mounting and quick coupling

**3CA06-4002**

Extraction arm 1,000 mm flexible hose (to be installed directly at the filter unit) with 2 quick couplings

**3CA06-5001**

Metallic nozzle, 50 mm ø

**3CA06-5002**

Antistatic nozzle, plastic, transparent, 190 x 100 mm

**0CA08-3004**

Interface cable set

**0CA08-3005**

Standby switch

**3CA06-9001**

Table clamp

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**Order no.** | **Description** | **Dimensions (L x W x H)** | **Rating/voltage** | **Volume flow/vacuum** | **Noise level** | **Filter**
---|---|---|---|---|---|---
0CA08-002 | Ersa EASY ARM EXTRACTION EA 110 plus i filter unit, complete with i-CON C interface | 460 x 210 x 470 mm | 100 W / 100 – 250 V 50 – 60 Hz | 140 m³/h max. / 2,200 Pa | max. 51 dB (A) | HEPA activated carbon
All about soldering – supplied from one source: Ersta special devices and tools, temperature measurement devices, auxiliaries and consumables for the production and repair of high-quality boards.
The Ersa IRHP 200 infrared heating plate is a compact and ergonomically designed heating plate to preheat all SMD components as well as assemblies and substrates during the hand soldering process. It can also be used to reflow solder one-sided SMD boards and for reballing BGAs.

The IR emitters' even heat distribution ensures non-contact, gentle heating of the assembly. Thus the IRHP 200 is perfectly suited for lead-free applications.

The control station can be placed independently from the heating plate on the workbench in an ergonomically favorable way.

**Application example with optionally available X/Y PCB table 0IR5500-01**

**Order no.** 0IRHP200
**Description** IRHP 200 infrared rework heating plate with control station 0RA4500D
**Heated area** (L x W) 260 x 135 mm
**Dimensions** (L x W x H) 300 x 250 x 90 mm
**Rating/voltage** max. 800 W / 230 V~, 50 – 60 Hz
**Weight** approx. 4 kg

The **IRHP 100 A infrared heating plate** offers bottom-side PCB preheating for hand soldering, desoldering and touch-up applications. The safe and powerful medium wavelength IR heating technology offers a tremendous benefit to today’s workbench. Working temperatures of the soldering tools can be greatly reduced. Lower tip temperatures decrease the risk of PCB damage while at the same time greatly increasing tip lifetime. The heating plate is controlled by either the i-CON1 C or the i-CON2 C.

**Order no.** 0IRHP100A-03
**Description** IRHP 100 A infrared rework heating plate
**Heated area** (L x W) 125 x 125 mm
**Dimensions** (L x W x H) 200 x 260 x 53.5 mm
**Rating/voltage** 250 W (stage 6) 230 V~, 50 – 60 Hz
**Weight** approx. 2.6 kg

**ERSA 185 PZ** plastics welding device can be used to cut, weld and seal thermoplastic foil, fabric and sealing sections. In cutting plastic cords, the ERSA 185 PZ simultaneously welds the ends, to prevent untwisting.

**Ersa 185 PZ**
Plastics welding device

**Order no.** 0185PZ
**Description** ERSA 185 PZ plastics welding device with welding blade 0182PZ004
**Rating/voltage** 150 W / 230 V
**Heating time** approx. 5 min
**Temperature range** approx. 370°C
**Weight** (w/o cable) 370 g
Ersa DTM 100 temperature measuring device

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

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 100 temperature measuring device and corrected easily and fast on nearly all Ersa soldering stations.

The measurement is conducted by cleaning the heated soldering tip with a moist sponge 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.

DTM 100
The DTM 100 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 no. Description Measuring range Operating temperature Power supply Dimensions (mm) Weight
| 0DTM100 | DTM 100 temperature measuring device, packed in a plastic case | -50 °C to +1,150 °C | 0 °C to +45 °C | 9 V flat battery 6F22 | 100 x 60 x 26 mm | approx. 134 g |
| 0DTM100P | DTM 100 temperature measuring device with calibration certificate, packed in a plastic case | -50 °C to +1,150 °C | 0 °C to +45 °C | 9 V flat battery 6F22 | 100 x 60 x 26 mm | approx. 134 g |

Ersa SVP 100 vacuum pipette

The SVP 100 vacuum pipette can be used to handle nearly all components, except MELFs and MiniMELFs. 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.

SVP 100
Vacuum pipette

### Order no. Description Length Housing diameter Cup diameters Weight
| 0SVP100 | SVP 100 vacuum pipette complete with bent tip 0SVP12K and 3 silicone cups 0SVP13A | 150 mm | 14 mm | 4 mm, 6 mm, 9 mm | 69 g |

Ersa desoldering device

The VAC X desoldering device is distinguished by its high suction power and low-recoil desoldering. The antistatic design allows desoldering work on electrostatically endangered assemblies. Due to the long and slim desoldering tips the VAC X can also be used on densely populated PCBs.

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.

VAC X
Antistatic desoldering device with plastic housing

SOLDAPULLT AS 196
Proven desoldering device with plastic housing and excellent recoil damping

### Order no. Description Desoldering tips Suction capacity
| 0VACX | VAC X antistatic desoldering device 0VACX2 (2 pcs.) | 11.3 cm³ |
| 0AS196 | Soldapullt AS 196 antistatic desoldering device 0LS197 | 34 cm³ |
Ersa STR 100 and STR 200 stacking racks

The Ersa STR 100 stacking rack can be used for combining two soldering stations, e.g. the DIG 2000 A electronic station with the vacuum unit as required (see adjacent illustration) in a practical and space-saving way.

The Ersa STR 200 stacking rack can be used for combining two i-CON soldering stations or one i-CON station with any other Ersa soldering station.

STR 100/STR 200
Stacking racks for a well-organized workplace
(Delivery without soldering stations)

Order no. Description
0STR100 STR 100 stacking rack to arrange soldering stations (except i-CON) in a safe and space-saving way at the workbench
0STR200 STR 200 stacking rack to arrange the Ersa i-CON soldering stations in a safe and space-saving way at the workbench

Ersa SR 100 solder wire dispenser

The Ersa 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 Ersa SR 101 kit allows simultaneous use of a second spool.

Order no. Description Solder wire spools Spool receiver diameter
0SR100 SR 100 solder wire dispenser for one spool (without solder wire) 250 g, 500 g, 1,000 g 14 mm
0SR101 Kit for 0SR100 for 2nd spool (without solder wire) 250 g, 500 g, 1,000 g 14 mm

Ersa tip exchanger

For changing all internally heated soldering and desoldering 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 no. Description Application
3ZT00164 Tip exchanger For changing all internally heated Ersa soldering tips and desoldering tips of the 422/452 desoldering tip series and 802 hot air nozzles
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 viscous sponge for tip cleaning, as well as options for conveniently resting and storing soldering and desoldering tips.

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**Ersa tool holders and cleaning sponges**

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>for</th>
</tr>
</thead>
<tbody>
<tr>
<td>0A04</td>
<td>Tool holder A 04</td>
<td>Soldering irons from 50 W – 150 W output; ISOTYP and 0185PZ soldering irons</td>
</tr>
<tr>
<td>0A05</td>
<td>Tool holder A 05</td>
<td>Medium-sized and small soldering irons</td>
</tr>
<tr>
<td>0A08MSET</td>
<td>Dry sponge 0008M with container</td>
<td>Dry cleaning of soldering tips (especially for lead-free)</td>
</tr>
<tr>
<td>0A17</td>
<td>Tool holder A 17</td>
<td>Soldering irons with an output ranging from 200 W – 550 W</td>
</tr>
<tr>
<td>0A18</td>
<td>Tool holder A 18</td>
<td>Soldering irons of the MULTITIP series; TIP 260 soldering iron</td>
</tr>
<tr>
<td>0A39</td>
<td>Tool holder A 39</td>
<td>RT 80 soldering iron (fig. see page 13)</td>
</tr>
<tr>
<td>0A41</td>
<td>Tool holder A 41</td>
<td>Irons of the MULTITIP series; MULTI-PRO, MULTI-TC, BASIC TOOL 60 / 80 soldering irons</td>
</tr>
<tr>
<td>0A42</td>
<td>Tool holder A 42, antistatic</td>
<td>TIP TOOL, POWER TOOL, ERGA TOOL, MICRO TOOL and TECH TOOL soldering irons</td>
</tr>
<tr>
<td>0A43</td>
<td>Tool holder A 43, antistatic</td>
<td>CHIP TOOL (fig. see page 20)</td>
</tr>
<tr>
<td>0A44</td>
<td>Tool holder A 44, antistatic</td>
<td>X-TOOL desoldering iron (fig. see page 21)</td>
</tr>
<tr>
<td>0A45</td>
<td>Universal holder A 45</td>
<td>832 tip series (CR – C18, MD, DG, 2D models); solder wire feed unit and solder fume extraction</td>
</tr>
<tr>
<td>0A50</td>
<td>Tool holder A 50, antistatic</td>
<td>i-TOOL, i-TOOL NANO soldering iron</td>
</tr>
<tr>
<td>0A53</td>
<td>Tool holder A 53</td>
<td>i-TOOL PICD soldering iron</td>
</tr>
<tr>
<td>0A54</td>
<td>Tool holder A 54, antistatic</td>
<td>CHIP TOOL, VARIO desoldering tweezers</td>
</tr>
<tr>
<td>0A55</td>
<td>Tool holder A 55, antistatic</td>
<td>i-TOOL AIR S hot air iron</td>
</tr>
<tr>
<td>3N194</td>
<td>Rubber support disk 3 N 194</td>
<td>MULTITIP, MULTI-PRO, Ersa 30 S soldering irons</td>
</tr>
<tr>
<td>05H03</td>
<td>SMD soldering and desoldering tip holder</td>
<td>Soldering and desoldering tips of the 232, 422 and 452 series</td>
</tr>
<tr>
<td>06156</td>
<td>Sponge container 06156</td>
<td>INDEPENDENT 75 and INDEPENDENT 130 gas soldering irons</td>
</tr>
<tr>
<td>0003B</td>
<td>Blue viscose sponge, 55 x 55 mm</td>
<td>Tool holders 0A09, 10, 13, 16, 24, 25, 28, 29, 30, 34, 35, 36, 39, 41 – 45, 48</td>
</tr>
<tr>
<td>0004G</td>
<td>Viscose sponge, 34 x 65 mm</td>
<td>Tool holders 0A05, 0A21 and 0A26</td>
</tr>
<tr>
<td>0006G</td>
<td>Sponge, ø 36 mm</td>
<td>Sponge container 06156 for the INDEPENDENT 75 / 130 gas soldering irons</td>
</tr>
<tr>
<td>0008M</td>
<td>Dry sponge 0008M</td>
<td>0A08MSET</td>
</tr>
</tbody>
</table>
Ersa bar solder

Ersa bar solder, like solder wire, is recovered from initial melt solder. It is primarily used for filling solder baths. For easier melting, it can be supplied as required in 50 mm sections. In combination with soldering irons of greater power and with suitable flux, bar solder is also used for soldering cable lugs of larger cross-sections and in sheet metal work.

Bar solder
High-quality bar solder recovered from initial melt solder to refill solder baths.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Alloy</th>
<th>Melting temperature (°C)</th>
<th>Delivered in</th>
</tr>
</thead>
<tbody>
<tr>
<td>4LOT230AG3.5CU0.7</td>
<td>Sn95.8Ag3.5Cu0.7</td>
<td>217 – 218 °C</td>
<td>Bars of approx. 230 g</td>
</tr>
<tr>
<td>4LOT230G64B</td>
<td>Sn64Pb36</td>
<td>183 °C</td>
<td>Bars of approx. 230 g</td>
</tr>
</tbody>
</table>

Ersa 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 electronics industry.

Solder wire
Available in different alloys and drum sizes in order to meet various fields of application. Please refer to the Ersa price list or to www.ersa.com for a detailed list including wire diameters.

<table>
<thead>
<tr>
<th>Solder alloy according to DIN EN 29453</th>
<th>Flux according to DIN EN …</th>
<th>Melting temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sn96.5Ag3.5Cu0.5</td>
<td>29454 art. 1, type 1.1.3B, or DIN EN 61190-1-3, ROL 0 3.5 %, halogen-free</td>
<td>217</td>
</tr>
<tr>
<td>Sn96.5Ag3.6Cu0.5</td>
<td>29454, type 1.2.3, J-STD-004 RE/LO 1.6 %, halogen-free</td>
<td>217 – 219</td>
</tr>
<tr>
<td>Sn96.5Ag3.8Cu0.5</td>
<td>29454, type 1.2.3, J-STD-004 RE/LO 2.2 %, halogen-free</td>
<td>217 – 219</td>
</tr>
<tr>
<td>Sn99.3CuNiGe0.7 (based on Sn99.3Cu0.7)</td>
<td>29454 art. 1, type 1.1.3B, or DIN EN 61190-1-3, ROL 0 3.5 %, halogen-free</td>
<td>227</td>
</tr>
<tr>
<td>Sn99.3Cu0.7</td>
<td>29454, type 1.2.3, J-STD-004 RE/LO, 1.5 %, halogen-free</td>
<td>227</td>
</tr>
<tr>
<td>Sn96.5Ag3.5</td>
<td>29454 art. 1, type 1.1.3B, or DIN EN 61190-1-3, ROL 0 3.5 %, halogen-free</td>
<td>221</td>
</tr>
<tr>
<td>Sn96.5Ag3.5</td>
<td>29454, type 1.2.3, J-STD-004 RE/LO, 1.6 %, halogen-free</td>
<td>221</td>
</tr>
<tr>
<td>Sn63Pb37</td>
<td>29454, type 1.2.3, J-STD-004 RE/LO, 0.9 %, halogen-free</td>
<td>183</td>
</tr>
<tr>
<td>Sn63Pb37</td>
<td>29454, type 1.2.3, J-STD-004 RE/LO, 0.6 %, halogen-free</td>
<td>183</td>
</tr>
<tr>
<td>Sn62Pb36Ag2</td>
<td>29454, type 1.2.3, J-STD-004 RE/LO, 0.6 %, halogen-free</td>
<td>178 – 188</td>
</tr>
</tbody>
</table>

Low-residue, halogen-free No-Clean solder wire. Especially adapted to the requirements in electronics 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 | 29454/1.1.2, 2.2 % | 183 – 190 |
| Sn60Pb40 | 29454/1.2.3, 1.4 % | 183 – 190 |
| Sn63Pb37 | 29454/1.1.3, 2.2 %, halogen-free, eutectic | 183 |
| Sn63Pb37 | 29454, type 1.2.3, J-STD-004 RE/LO, 0.9 %, halogen-free | 183 |
| Sn63Pb37 | 29454, type 1.2.3, J-STD-004 RE/LO, 0.6 %, halogen-free | 183 |
| Sn62Pb36Ag2 | 29454, type 1.2.3, J-STD-004 RE/LO, 0.6 %, halogen-free | 178 – 188 |

subject to changes
Ersa 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.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Package size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0WICKNC1.5/10</td>
<td>No-Clean wicks, length 1.5 m, width 1.5 mm</td>
<td>10 pcs.</td>
</tr>
<tr>
<td>0WICKNC1.5/SB</td>
<td>No-Clean wicks, length 1.5 m, width 1.5 mm</td>
<td>single-piece package</td>
</tr>
<tr>
<td>0WICKNC2.2/10</td>
<td>No-Clean wicks, length 1.5 m, width 2.2 mm</td>
<td>10 pcs.</td>
</tr>
<tr>
<td>0WICKNC2.2/SB</td>
<td>No-Clean wicks, length 1.5 m, width 2.2 mm</td>
<td>single-piece package</td>
</tr>
<tr>
<td>0WICKNC2.7/10</td>
<td>No-Clean wicks, length 1.5 m, width 2.7 mm</td>
<td>10 pcs.</td>
</tr>
<tr>
<td>0WICKNC2.7/SB</td>
<td>No-Clean wicks, length 1.5 m, width 2.7 mm</td>
<td>single-piece package</td>
</tr>
<tr>
<td>0WICKNC4.9/10</td>
<td>No-Clean wicks, length 1.5 m, width 4.9 mm</td>
<td>10 pcs.</td>
</tr>
<tr>
<td>0WICKNC4.9/SB</td>
<td>No-Clean wicks, length 1.5 m, width 4.9 mm</td>
<td>single-piece package</td>
</tr>
</tbody>
</table>

Ersa flux and flux removers

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 applicable standards and quality requirements. They can be easily and precisely 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.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Quantities</th>
<th>Danger sign</th>
</tr>
</thead>
<tbody>
<tr>
<td>0FMKANC32-005</td>
<td>No-Clean flux cream, EN 29454/1.1.3 C</td>
<td>5 ml cartridge</td>
<td>1); 3)</td>
</tr>
<tr>
<td>0FMKANC32-200</td>
<td>No-Clean flux cream, EN 29454/1.1.3 C</td>
<td>200 ml can</td>
<td>1); 3)</td>
</tr>
<tr>
<td>4FMJF8300-005</td>
<td>Flux gel 8300 for rework, EN 29454-1/2.3 C (F-SW33), resinous, halogen-free, low residues</td>
<td>5 ml cartridge</td>
<td>1)</td>
</tr>
<tr>
<td>0FMIF8001-005</td>
<td>Flux IF 8001 flux, EN 29454/2.2.3 A (F-SW 34/DIN 8511)</td>
<td>7 ml</td>
<td>1); 2)</td>
</tr>
<tr>
<td>4FMJF6000-001</td>
<td>FLUX-PEN with IF 6000 Flux, for lead-free rework, EN 29454/1.1.3 A, solid 7.5 %</td>
<td>100 ml</td>
<td>1); 2)</td>
</tr>
<tr>
<td>0FMIF6000-001</td>
<td>Flux IF 6000 for lead-free rework, EN 29454/1.1.3 A (F-SW 32), resinous, halogen-free, long activation time, low residues, solid 7.5 %</td>
<td>100 ml</td>
<td>1); 2)</td>
</tr>
<tr>
<td>0FMIF2005-002</td>
<td>IF 2005 M low-solid No-Clean flux, EN 29454/2.2.3 A</td>
<td>200 ml sprayer</td>
<td>1); 2)</td>
</tr>
<tr>
<td>0FR200</td>
<td>FLUX REMOVER 0FR200, with brush 0FR202 and protective cap 0FR203</td>
<td>200 ml cartridge</td>
<td>1); 2); 3)</td>
</tr>
</tbody>
</table>

Ersa TIP-REACTIVATOR

The Ersa TIP-REACTIVATOR allows the regeneration of oxidized soldering tips. It is environmentally safe, free of lead and halogens and functions even at low soldering tip temperatures. For this purpose the heated soldering tip is wiped on the surface of the regeneration compound.

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Description</th>
<th>Quantity</th>
<th>Danger sign</th>
</tr>
</thead>
<tbody>
<tr>
<td>0TR01/SB</td>
<td>Tip-Reactivator, lead-free</td>
<td>15 g can</td>
<td>1)</td>
</tr>
<tr>
<td>0TR02/SB</td>
<td>Tip-Reactivator, lead-free, minimal residues</td>
<td>15 g can</td>
<td>1)</td>
</tr>
</tbody>
</table>
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. Pre-requisites for good solder joints are a correct tip shape, perfect heat transfer, an excellent condition of the tip and a reliable performance over time. In addition, the soldering tip also has to convey the necessary amount of sensitivity back to the operator.

ERSADUR long-life 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 Ersa. The ERSADUR tips’ perfect thermal conductivity protects the heating element from overheating and premature wear. Ersa offers a comprehensive range of soldering tips for the diverse requirements.
ERSADUR soldering tips

**Special care for soldering tips**

**Important facts:**
1. When a soldering tip remains hot for a long period of time, the tip will oxidize or blacken. An oxidized tip will no longer “wet” or melt solder properly.
2. The higher the **working temperature** of the soldering tip, the faster this oxidation will take place and tip lifetime will be shorter.
3. Soldering irons that automatically go into a lower “standby” temperature increase tip life.
4. **The oxidation of the tip will be very rapid** if the tip is left “cooking” without molten solder covering the tip end. It happens, for example, if the tip is not wetted with solder right after cleaning it.
5. **Excessive mechanical force** during soldering will shorten the tip life.
6. **Proper care of the tip will greatly increase tip life.**
7. **Lead-free soldering** requires **higher temperatures**, is more aggressive to the tip and will always lead to shorter tip life.

**Special care:**
1. Always clean the tip by wiping on a slightly wet sponge after each use. Alternatively, tips can be dry cleaned using the Ersa dry sponge.
2. Always put fresh solder onto the end of the tip BEFORE putting the tip back into the iron holder.
3. Always use lowest working temperature possible.
4. Never leave an iron “cooking” unattended for some time. Always set iron into automatic standby if possible or turn off when not in use.
5. Never use excessive mechanical force when soldering.
6. Soldering tip oxidation can be easily removed if detected early. Early detection and removal will greatly increase tip life.
7. **Tip oxidation removal or tip refurbishing is accomplished in 4 consecutive steps:**
   - Clean on damp sponge,
   - Clean with wire brush,
   - Use of a tip reactivator chemical
   - Retinning using proper flux cored solder wire.

**ERSADUR LF coating** is factory pretinned with lead-free solder at working end.

**Ersa Dry Sponge**

The Esa Dry Sponge is an alternative to the wet sponge and can be beneficial, especially in lead-free soldering.

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 soldering 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.
ERSADUR long-life soldering tip series 102

- i-CON PICO
- i-CON NANO
- i-CON with i-TOOL soldering iron
- i-CON1 C with i-TOOL soldering iron
- i-CON2 C with i-TOOL soldering iron
- i-CON VARIO 2 with i-TOOL soldering iron
- i-CON VARIO 4 with i-TOOL soldering iron

**0102PDLF02**
- Pencil point, 0.2 mm ø

**0102PDLF03L**
- Pencil point, extended, 0.3 mm ø

**0102PDLF04**
- Pencil point, 0.4 mm ø

**0102PDLF04L**
- Pencil point, extended, 0.4 mm ø

**0102PDLF05L**
- Pencil point, extended, 0.5 mm ø

**0102PDLF06**
- Pencil point, 0.6 mm ø

**0102PDLF06L**
- Pencil point, extended, 0.6 mm ø

**0102PDLF07**
- Pencil point, 0.7 mm ø

**0102PDLF08L**
- Pencil point, extended, 0.8 mm ø

**0102PDLF10**
- Pencil point, 1.0 mm ø

**0102CDLF04**
- Chisel-shaped, 0.4 mm

**0102CDLF12/0102CDLF16**
- Chisel-shaped, 1.2 mm/1.6 mm

**0102CDLF18L**
- Chisel-shaped, extended, 1.8 mm

**0102CDLF20**
- Chisel-shaped, 2.0 mm

**0102CDLF24**
- Chisel-shaped, 2.4 mm

**0102CDLF24L**
- Chisel-shaped, extended, 2.4 mm

**0102CDLF32**
- Chisel-shaped, 3.2 mm

**0102CDLF50**
- Chisel-shaped, 5.0 mm

**0102PDLF02**
- Pencil point, 0.2 mm ø

**0102PDLF03L**
- Pencil point, extended, 0.3 mm ø

**0102PDLF04**
- Pencil point, 0.4 mm ø

**0102PDLF04L**
- Pencil point, extended, 0.4 mm ø

**0102PDLF05L**
- Pencil point, extended, 0.5 mm ø

**0102PDLF06**
- Pencil point, 0.6 mm ø

**0102PDLF06L**
- Pencil point, extended, 0.6 mm ø

**0102PDLF07**
- Pencil point, 0.7 mm ø

**0102PDLF08L**
- Pencil point, extended, 0.8 mm ø

**0102PDLF10**
- Pencil point, 1.0 mm ø

**0102CDLF04**
- Chisel-shaped, 0.4 mm

**0102CDLF12/0102CDLF16**
- Chisel-shaped, 1.2 mm/1.6 mm

**0102CDLF18L**
- Chisel-shaped, extended, 1.8 mm

**0102CDLF20**
- Chisel-shaped, 2.0 mm

**0102CDLF24**
- Chisel-shaped, 2.4 mm

**0102CDLF24L**
- Chisel-shaped, extended, 2.4 mm

**0102CDLF32**
- Chisel-shaped, 3.2 mm

**0102CDLF50**
- Chisel-shaped, 5.0 mm

Soldering and desoldering tips

- i-CON PICO
- i-CON NANO
- i-CON with i-TOOL soldering iron
- i-CON1 C with i-TOOL soldering iron
- i-CON2 C with i-TOOL soldering iron
- i-CON VARIO 2 with i-TOOL soldering iron
- i-CON VARIO 4 with i-TOOL soldering iron
ERSADUR long-life soldering tip series 102

- i-CON PICO
- i-CON NANO
- i-CON with i-TOOL soldering iron
- i-CON1 with i-TOOL soldering iron
- i-CON2 with i-TOOL soldering iron
- i-CON1 C with i-TOOL soldering iron
- i-CON2 C with i-TOOL soldering iron
- i-CON VARIO 2 with i-TOOL soldering iron
- i-CON VARIO 4 with i-TOOL soldering iron

Wide range of special tips online at: www.ersa.com

Soldering and desoldering tips

i-CON PICO
i-CON NANO
i-CON with i-TOOL soldering iron
i-CON1 with i-TOOL soldering iron
i-CON2 with i-TOOL soldering iron
i-CON1 C with i-TOOL soldering iron
i-CON2 C with i-TOOL soldering iron
i-CON VARIO 2 with i-TOOL soldering iron
i-CON VARIO 4 with i-TOOL soldering iron

0102CDLF65
chisel-shaped, 6.5 mm

0102CDLF080C
chisel-shaped, 8.0 mm

0102CDLF100
chisel-shaped, 10.0 mm

0102CDLF100C
chisel-shaped, conical, 10.0 mm

0102CDLF120C
chisel-shaped, conical, 12.0 mm

0102CDLF200
chisel-shaped, 20.0 mm

0102SDLF04
pencil point, bent, 0.4 mm ø

0102SDLF06
pencil point, bent, 0.6 mm ø

0102SDLF06L
pencil point, bent, extended, 0.6 mm ø

0102SDLF08L
pencil point, bent, extended, 0.8 mm ø

0102SDLF10
chisel-shaped, bent, 1.8 mm ø

0102SDLF18
angled face, 1.3 mm ø

0102ADLF15
angled face, 1.5 mm ø

0102ADLF20
angled face, 2.0 mm ø

0102ADLF40
angled face, 4.0 mm ø

0102ADLF13
angled face, 1.3 mm ø

0102ADLF15
angled face, 1.5 mm ø

0102ADLF20
angled face, 2.0 mm ø

0102ADLF40
angled face, 4.0 mm ø

0102ADLF13
angled face, 1.3 mm ø

0102WDLF16
PowerWell with concave portion, 1.6 mm ø

0102WDLF23
PowerWell with concave portion, 2.3 mm ø

0102WDLF35
PowerWell with concave portion, 3.5 mm ø

0102BDLF20
PLCC blade

0102ZDLF200
Wick-Tip, 20.0 mm

0102ZDLF200
Wick-Tip, 20.0 mm
ERSADUR long-life soldering tip series 832

- ANALOG 60/60 A
- ANALOG 80/80 A
- DIGITAL 80 A
- DIGITAL 2000 A with POWER TOOL soldering iron
- ELS 8000/M/D
- MICRO-CON 60 iA with POWER TOOL soldering iron
- MS 6000
- MS 8000/D
- MULTI-PRO
- MULTI-SPRINT
- MULTI-TC
- RDS 80
- TWIN 80 A with ERGO TOOL soldering iron

<table>
<thead>
<tr>
<th>0832UD/UDLF</th>
<th>0832SD/SDLF</th>
<th>0832BD/BDLF</th>
<th>0832YD/YDLF</th>
</tr>
</thead>
<tbody>
<tr>
<td>pencil point, 0.4 mm ø, extended</td>
<td>pencil point, 0.8 mm ø, extended</td>
<td>pencil point, 1.0 mm ø</td>
<td>chisel-shaped, 1.6 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>0832CD/CDLF</th>
<th>0832KD/KDLF</th>
<th>0832ED/EDLF</th>
<th>0832VD/VDLF</th>
</tr>
</thead>
<tbody>
<tr>
<td>chisel-shaped, 2.2 mm</td>
<td>chisel-shaped, 2.2 mm, extended</td>
<td>chisel-shaped, 3.2 mm</td>
<td>chisel-shaped, 5.0 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>0832FDLF</th>
<th>0832TDLF</th>
<th>0832NDLF</th>
<th>0832PW</th>
</tr>
</thead>
<tbody>
<tr>
<td>angled face, 2.0 mm</td>
<td>angled face, 3.0 mm ø</td>
<td>angled face, 4.0 mm ø</td>
<td>PowerWell with concave portion</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>0832HD</th>
<th>0832AD</th>
<th>0852OD</th>
<th>0832WD</th>
</tr>
</thead>
<tbody>
<tr>
<td>SolderWell with concave portion, bent</td>
<td>PLCC blade, 1.5 mm</td>
<td>PLCC blade, 2.0 mm</td>
<td>chisel-shaped, 2.5 mm, bent</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>0832RD</th>
<th>0832GDLF</th>
<th>0832LDF</th>
<th>0832MDLF</th>
</tr>
</thead>
<tbody>
<tr>
<td>chisel-shaped, 5.0 mm, bent</td>
<td>angled face, 14 mm, 35°</td>
<td>angled face, 17 mm, 35°</td>
<td>angled face on both sides, 8 mm</td>
</tr>
</tbody>
</table>
ERSADUR long-life soldering tip series 842

- ANALOG 60/60 A
- ANALOG 80/80 A
- DIGITAL 80 A
- DIGITAL 2000 A with POWER TOOL soldering iron
- ELS 8000/M/D
- MICRO-CON 60 iA with POWER TOOL soldering iron
- MS 6000

- MS 8000/D
- MULTI-PRO
- MULTI-SPRINT
- MULTI-TC
- RDS 80
- TWIN 80 A with ERGO TOOL soldering iron

ERSADUR/nickel-plated desoldering tip series 722

- DIGITAL 2000 A with X-TOOL desoldering iron
- XT00LKITI
- i-CON with X-TOOL desoldering iron

- i-CON2 with X-TOOL desoldering iron
- i-CON2 C with X-TOOL desoldering iron
- i-CON VARIO 2/4 with X-TOOL desoldering iron

0722ED0821
ERSADUR, ID 0.8 mm, OD 2.1 mm

0722ED1023
ERSADUR, ID 1.0 mm, OD 2.3 mm

0722ED1226
ERSADUR, ID 1.2 mm, OD 2.6 mm

0722ED1529
ERSADUR, ID 1.5 mm, OD 2.9 mm

0722EN051S
nickel-plated, ID 0.6 mm, OD 1.5 mm

0722EN1023
nickel-plated, ID 1.0 mm, OD 2.3 mm

0722EN1020
nickel-plated, ID 1.0 mm, OD 2.0 mm

0722EN1018S
nickel-plated, ID 1.0 mm, OD 1.8 mm

0722EN0823
nickel-plated, ID 0.8 mm, OD 2.3 mm

0722EN1023
nickel-plated, ID 1.0 mm, OD 2.3 mm

0722EN1223
nickel-plated, ID 1.2 mm, OD 2.3 mm

0722EN1529
nickel-plated, ID 1.5 mm, OD 2.9 mm

0722EN2332
nickel-plated, ID 2.3 mm, OD 3.2 mm
ERSADUR long-life soldering tip series 612

- CPS 60.10
- DIGITAL 60 A
- DIGITAL 2000 A with TECH TOOL soldering iron
- MICRO-CON 60 iA with TECH TOOL soldering iron

### Pairs of desoldering tips, series 462

- i-CON VARIO 2
  - with CHIP TOOL VARIO desoldering tweezers
- i-CON VARIO 4
  - with CHIP TOOL VARIO desoldering tweezers

---

**0612D**

- **0612DLF**
  - pencil point, 0.4 mm ø
- **0612UDLF**
  - pencil point, 0.8 mm ø
- **0612BDLF**
  - pencil point, 1.0 mm ø
- **0612CDLF**
  - chisel-shaped, 1.0 mm

- **0612ADLF**
- **0612BDLF**
- **0612EDLF**
- **0612MD**
- **0612ZD**
- **0612SDLF**
- **0612ADLF**
- **0612JD**
- **0612ID**
- **0612MD**
- **0612TW**
- **0612HD**
- **0612ZD**
- **0612FDLF**
- **0612MDLF**
- **0612MDLF**
- **0612ZD**
- **0612WDLF**

---

**0462D**

- **0462CDLF010**
  - chisel-shaped, 1 mm
- **0462CDLF018**
  - chisel-shaped, 1.8 mm
- **0462MDLF007**
  - chisel-shaped, 0.7 mm, bent
- **0462MDLF015**
  - chisel-shaped, 1.5 mm, bent
- **0462SDLF002**
  - pencil point, 0.2 mm ø, bent
- **0462PDLF005**
  - pencil point, 0.5 mm ø
**Hot air nozzle series 472**

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

**ERSADUR pairs of desoldering tips, series 422/452**

- DIGITAL 2000 A with CHIP TOOL
- MICRO-CON 60 iA SMD DESOLDERING PINCETTE 40
- REWORK 80
- SMD 8000

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Description</th>
<th>Length</th>
<th>Example Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>0422AR</td>
<td>Hot air nozzle, 2 mm ø</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0422BR</td>
<td>Hot air nozzle, 4 mm ø</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0422CR</td>
<td>Hot air nozzle, 6 mm ø</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0472DR</td>
<td>Hot air nozzle, bent, 1.7 mm / 0.067 in ø</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0422ED</td>
<td>6 mm, for e.g. SOIC 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0452EDLF040</td>
<td>4 mm, for e.g. SO 8 GT/14 GT/16GT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0452QDLF125</td>
<td>90°, length 12.5 mm, for e.g. PLCC 28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0452QDLF150</td>
<td>90°, length 15 mm, for e.g. QFP, TQFP and TTDQFP 80T25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0452QDLF175</td>
<td>90°, length 17.5 mm, for e.g. PLCC 44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0452RQLF225</td>
<td>length 22.5 x 16.5 mm, for e.g. QFP 100</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Soldering and desoldering tips**

- 0472AR
  - Hot air nozzle, 2 mm ø
- 0472BR
  - Hot air nozzle, 4 mm ø
- 0472CR
  - Hot air nozzle, 6 mm ø
- 0472DR
  - Hot air nozzle, bent, 3.5 mm / 0.138 in ø
- 0472ER
  - Hot air nozzle, bent, 3.5 mm / 0.138 in ø

*Please note:

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

Tip turn protection set for TC 40 desoldering tweezers and DESOLDERING PINCETTE 40 on request.
### ERSADUR long-life soldering tip series 212

- ANALOG 20 A
- DIGITAL 2000 A with MICRO TOOL soldering iron
- MICRO-CON 60 IA with MICRO TOOL soldering iron
- REWORK 80
- SMD 8000
- SMT UNIT 60 A/AS
- TWIN 40 A/AS
- TWIN 80 A with MICRO TOOL soldering iron

<table>
<thead>
<tr>
<th>Code</th>
<th>Tip Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0212SDLF</td>
<td>Pencil point, 0.2 mm ø</td>
</tr>
<tr>
<td>0212BDLF</td>
<td>Pencil point, 0.4 mm ø</td>
</tr>
<tr>
<td>0212ADLF</td>
<td>Pencil point, 1.0 mm ø, reinforced</td>
</tr>
<tr>
<td>0212CDLF</td>
<td>Chisel-shaped, 1.0 mm</td>
</tr>
<tr>
<td>0212EDLF</td>
<td>Chisel-shaped, 1.8 mm</td>
</tr>
<tr>
<td>0212KDLF</td>
<td>Chisel-shaped, 1.8 mm, extended</td>
</tr>
<tr>
<td>0212FDLF</td>
<td>Chisel-shaped, 2.2 mm, reinforced</td>
</tr>
<tr>
<td>0212GD</td>
<td>Chisel-shaped, 3.2 mm, reinforced</td>
</tr>
<tr>
<td>0212VD</td>
<td>Chisel-shaped, 5.0 mm, reinforced</td>
</tr>
<tr>
<td>0212RD</td>
<td>Pencil point, 0.2 mm ø, bent</td>
</tr>
<tr>
<td>0212ID</td>
<td>Bent, 0.6 mm ø, reinforced</td>
</tr>
<tr>
<td>0212WD</td>
<td>MiniMicroWell, 1.6 mm ø</td>
</tr>
<tr>
<td>0212MS</td>
<td>MicroWell, 2.3 mm ø</td>
</tr>
<tr>
<td>0212D</td>
<td>SolderWell, 3.0 mm ø</td>
</tr>
</tbody>
</table>

### Soldering and desoldering tips

- ELS 8000/M/D
- ELS 8100
- MS 8100D

<table>
<thead>
<tr>
<th>Code</th>
<th>Tip Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0662AE</td>
<td>ERSADUR, 1.2 mm ø (for joints with medium heat requirements)</td>
</tr>
<tr>
<td>0662BE</td>
<td>ERSADUR, 1.0 mm ø (for joints with medium heat requirements)</td>
</tr>
<tr>
<td>0662CE</td>
<td>ERSADUR, 0.8 mm ø (for joints with medium heat requirements)</td>
</tr>
</tbody>
</table>
ERSADUR long-life soldering tip series **042 and 012**
- MINOR S (tips 042)
- MINITYP S (tip 0012BD)

ERSADUR long-life soldering tip series **032**
- Ersa 30 S

ERSADUR long-life soldering tip series **052**
- Ersa 50 S

ERSADUR long-life soldering tip series **082**
- Ersa 80 S

ERSADUR long-life soldering tip series **152**
- Ersa 150 S

ERSADUR/nickel-plated soldering tip series **202, 302 and 552**
- Ersa 200 (series 202)
- Ersa 300 (series 302)
- Ersa 550 (series 552)
ERSADUR long-life soldering tip series **172**

**MULTITIP 25**

<table>
<thead>
<tr>
<th>Tip Code</th>
<th>Diagram</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0172BD</td>
<td><img src="image1.png" alt="Image" /></td>
<td>ERSADUR, pencil point, 1.1 mm ø</td>
</tr>
<tr>
<td>0172KD</td>
<td><img src="image2.png" alt="Image" /></td>
<td>ERSADUR, chisel-shaped, 3.1 mm</td>
</tr>
<tr>
<td>0172LD</td>
<td><img src="image3.png" alt="Image" /></td>
<td>ERSADUR, angled face 45°, 4.1 mm</td>
</tr>
</tbody>
</table>

ERSADUR long-life soldering tip series **162**

**MULTITIP 15**

<table>
<thead>
<tr>
<th>Tip Code</th>
<th>Diagram</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0162BD</td>
<td><img src="image4.png" alt="Image" /></td>
<td>ERSADUR, pencil point, 1.1 mm ø</td>
</tr>
<tr>
<td>0162KD</td>
<td><img src="image5.png" alt="Image" /></td>
<td>ERSADUR, chisel-shaped, 2.6 mm</td>
</tr>
<tr>
<td>0162LD</td>
<td><img src="image6.png" alt="Image" /></td>
<td>ERSADUR, angled face, 45°, 3.6 mm</td>
</tr>
</tbody>
</table>

ERSADUR long-life soldering tip series **132**

**MULTITIP 08**

<table>
<thead>
<tr>
<th>Tip Code</th>
<th>Diagram</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0132BD</td>
<td><img src="image7.png" alt="Image" /></td>
<td>ERSADUR, pencil point, 1.0 mm ø</td>
</tr>
<tr>
<td>0132KD</td>
<td><img src="image8.png" alt="Image" /></td>
<td>ERSADUR, chisel-shaped, 1.6 mm</td>
</tr>
<tr>
<td>0132LD</td>
<td><img src="image9.png" alt="Image" /></td>
<td>ERSADUR, angled face, 45° Winkel, 2.6 mm</td>
</tr>
</tbody>
</table>

**Soldering tip series G 072 and G 132**

**INDEPENDENT 75 gas soldering iron (series G 072)**

<table>
<thead>
<tr>
<th>Tip Code</th>
<th>Diagram</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06G072CN/06G132CN</td>
<td><img src="image10.png" alt="Image" /></td>
<td>chisel-shaped, 1.0 mm</td>
</tr>
<tr>
<td>06G072KN/06G132KN</td>
<td><img src="image11.png" alt="Image" /></td>
<td>chisel-shaped, 2.4 mm</td>
</tr>
<tr>
<td>06G072AN/06G132AN</td>
<td><img src="image12.png" alt="Image" /></td>
<td>chisel-shaped, 3.2 mm</td>
</tr>
<tr>
<td>06G072VN/06G132VN</td>
<td><img src="image13.png" alt="Image" /></td>
<td>chisel-shaped, 4.8 mm</td>
</tr>
<tr>
<td>06G072BE/06G132BE</td>
<td><img src="image14.png" alt="Image" /></td>
<td>flame nozzle</td>
</tr>
<tr>
<td>06G072HE/06G132HE</td>
<td><img src="image15.png" alt="Image" /></td>
<td>hot gas nozzle</td>
</tr>
<tr>
<td>06G072RE/06G132RE</td>
<td><img src="image16.png" alt="Image" /></td>
<td>deflector for hot gas nozzle 06G072HE / 06G132HE to shrink heat shrinkable sleeves</td>
</tr>
<tr>
<td>06G072MN/06G132MN</td>
<td><img src="image17.png" alt="Image" /></td>
<td>hot blade</td>
</tr>
</tbody>
</table>
**Ersa inspection systems**

For nearly fifteen years now, thousands of users worldwide have been benefiting from the ability to inspect hidden solder joints with the patented & 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 series**

"Best in class" optical inspection technology for inspection of hidden solder joints.

The award-winning & patented original ERSASCOPE technology has been further developed in order to meet today’s challenges of lead-free soldering and low-profile components.

The ERSASCOPE 1 is a cost effective and economic system for the optical inspection of BGAs and hidden interior solder joints of SMT and THT components in accordance with the new IPC Inspection Standards (see IPC-7095B)

The ERSASCOPE 2 is currently the only inspection system worldwide offering exchangeable optical heads for Flip-Chip, CSP, BGA and 0201 optical inspection.

**Ersa MOBILE SCOPE**

The Ersa MOBILE SCOPE is a compact and handy, portable video microscope to inspect solder joints in electronic production environments. It has been designed for optical inspection and digital image recording including measurements of solder joints on Ball Grid Array (BGA), μBGA, CSP and Flip-Chip packages.

The Ersa MOBILE SCOPE is also suitable to inspect PCB lands and solder paste prints or for the optical inspection of components on printed circuit boards in Surface Mount Technology (SMT) or in Trough Hole Technology (THT) in general. Its application fields are in quality control, production, laboratories or R&D departments.
Over the past two decades, rework and repair of electronic assemblies has been one of the most exciting and challenging undertakings in the industry. The PCBs' increasing complexity as well as the advancements in packages has put additional demands on both rework specialists and their equipment. Applications oriented, innovative solutions are the key to success in this demanding field.

**Ersa IR rework systems**

Ersa took on the rework challenge almost fifteen years ago when it introduced its first patented medium wavelength infrared rework system, the Ersa IR 500. Today, we are proud to boast one of the world’s largest installed equipment bases of over 6,000 systems ranging from smaller benchtop units to larger semi-automated machines. Ersa rework systems have proven themselves to be the undisputed leaders in handling the largest variety of rework applications. From the smallest 0201 up to large SMT connectors, from SMT Flip-Chips to THT Pin Grid Arrays, from BGA on flex circuit to stacked BGAs and from metal shields to plastic processor sockets, the safe IR technology handles it all.

The market leader’s complete range of rework products is introduced and described in the Ersa “Rework and Inspection Catalog”.

**HYBRID REWORK 600**

Redefined repair of assemblies – flexible, efficient, automated, safe! The new flagship of Ersa’s rework product line with innovative technology

**IR/PL 650**

DynamicIR heating technology for large boards (460 mm x 560 mm); 9 programmable heating zones with 4,600 W; exact and user-friendly “Auto Pick & Place”

**IR/PL 550**

Top-selling rework system with unrivalled price-performance-ratio. DynamicIR heating technology with 1,600 W; suitable for plastic or metal components, high- or low-mass SMD or PTH components
Ersa staff training and services

In addition to its comprehensive product range Ersa offers a wide range of services such as staff qualification and training, equipment- and process audits, ramp-up support or equipment capability studies and consultations in special applications. Ersa provides its customers comprehensive possibilities to carry out application tests in the 400 m² Ersa Application and Demo Center.

Staff qualification is extremely important to Ersa. Take advantage of qualified employees yourself and participate in our training and qualification courses. Being a member of the soldering training union “Ausbildungsverband Lötschulungen” Ersa offers, for example, trainings as Qualified Hand Soldering Specialist/Electronics Production according to uniform standards throughout the year and conducts Know How Seminars on machine and process technology. Please refer to our website or program flyers for further information and current dates.

Training as qualified hand soldering specialist

Your advantages
Well-educated and qualified employees save costs: process deviations can be identified and corrected before they lead to defects avoiding unnecessary rework. Further benefits are the optimal use of materials and reproducible quality. Since the participants are trained according to standardized and approved regulations they will all reach one level, finishing the 5 day training course with a certified technical and practical exam.

Target group
Electronics production industry, mechanical engineering companies with their own electronics production, prototype and pattern makers. Employees from production departments, quality managers and engineers who are to produce or repair RoHS complying electronic products in the hand soldering process.

Contents
The qualified hand soldering specialist will obtain a basic understanding for hand soldering electronic components – this means he/she will learn to understand the contents of working instructions and to professionally and independently create hand solder joints according to instructions.

Material properties will be discussed, and the necessity of a balance between soldering heat requirements and soldering heat resistance will be explained and tested afterwards by the trainees. The trainees will intensify the theoretical and practical knowledge they gained during the training course later in their daily work.

Teaching methods and equipment
Each participant will obtain a hand soldering workplace with ESD equipment. Therefore the courses are limited to max. 10 persons. Furthermore, heating plates, soldering and desoldering stations, one inspection workplace as well as component preparation spots are available. The participants’ progress in their capabilities is evaluated and documented during the training course. These practical results are the basis for the admission to the final exams for the qualified hand soldering expert.
Ersa – Europe’s largest manufacturer of soldering systems

Being Europe’s largest manufacturer of soldering systems Ersa has the most comprehensive product range in the joining technology in electronics production.

In the field of soldering systems, solder paste printers, reflow ovens as well as wave- and selective soldering systems are offered. On account of the close cooperation with many leading manufacturers in global electronics production, our awareness of the stringent demands pertaining to this dynamic industry has been able to grow and to mature over the years.

Reliable processes, lowest defect rates and ever increasing productivity at an extremely economical consumption of resources and very low maintenance costs – these are challenges Ersa machines face every day.

Learn more in one of our soldering machine brochures or on our website.

Screen printers
The patented high-end models P1 and S1 of Ersa’s VERSAPRINT screen printers offer the user unique advantages with their fully integrated full-area AOI at line speed after the printing process. Being the ideal printer to enter line production the F1 rounds off the VERSAPRINT product line.

Reflow soldering
Ersa’s reflow systems have been in the technological lead for many years already. The present generation, the Ersa HOTFLOW 3 series, convinces with lowest TCO values attained through the systems’ unsurpassed thermal performance, highest machine uptimes and lowest operating costs. A number of models differing in process tunnel length, process gas cleaning and conveyor system are available. Reflow programs are quickly and easily generated off-line with the very user-friendly system software and the Autoprofiler.

Wave soldering
The POWERFLOW e N2 wave soldering system has been designed for medium-size batches. Due to a minimal dross formation, it provides enormous cost savings. Therefore the POWERFLOW pays off within a very short time, especially at today’s raw material prices. Like the high-end model of the successful POWERFLOW line the POWERFLOW e N2 is available with a finger or frame conveyor.

Selective soldering
Having sold and installed over 1,000 VERSAFLOW in-line selective soldering systems worldwide Ersa is both market and technology leader. The modular design of the VERSAFLOW 3 offers virtually unlimited combination possibilities in a “classical production line” whereas the ECOCELL is ideally suited for production islands. The ECOSELECT models are perfect start-up solutions which can be operated as stand-alone or in-line systems.
Sustainability is an integral part of our corporate culture

Rightfully, our customers expect that we take the extra step, and that is why we have an understanding of quality not permitting any compromises. Permanently monitoring our customers’ expectations and matching these to our own strategic objectives defines our target. To achieve our target, we build on consequent quality management as our guiding principle, on comprehensive internal and external certifications as well as on competent, quality-conscious employees.

Our first production plant – a forge hammer mill, which started to produce in 1779 – was operated with water power. This historical industrial landmark is maintained as a visual symbol of a sustainable corporate development.

Sustainability is an integral part of Kurtz Ersa’s corporate culture, in our product development and manufacturing processes. In this way we want to contribute our share to sustainably improve the living conditions on our planet earth.

The base for the processes’ systematic control is our management system. For this reason, we have incorporated the sustainability aspect into this management system, thereby creating the basis so that all our employees are included as well in their daily actions.

The sustainability aspect in our own diverse manufacturing processes is closely monitored with improvements being mandated regularly. Internal and external audits ensure the success of this process.

In the development cycle of our own products, the improvement potential regarding the use of resources is defined already in the equipment specification.

At Kurtz Ersa, the concept of sustainability is taken seriously.
Electronics Production Equipment
Presence in 135 countries

America
Ersa North America
info-ena@kurtzersa.com
Kurtz Ersa S.A.de C.V.
info-kmx@kurtzersa.com

Asia
Ersa Asia Pacific
info-eap@kurtzersa.com
Ersa Shanghai
info-esh@kurtzersa.com
Ersa Korea
kmc@kmckr.co.kr

France
Ersa France
info@ersa-electronics.fr

Ersa GmbH
Leonhard-Karl-Str. 24
97877 Wertheim/Germany
Tel. +49 9342 800-0
Fax +49 9342 800-127
info@ersa.de
www.ersa.com