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**ELS 8000**



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### Electronically temperature-controlled soldering and desoldering station

The diagram illustrates the internal structure of an ERSADUR-soldering tip. It shows a central core of highly conductive electrolytic copper, which is uncoated to ensure unhindered heat transfer from the heating element to the ERSADUR coating. This core is surrounded by a layer of nickel plating. The nickel plating is further coated with a layer of chrome plating, which serves to prevent corrosion and solder collecting on undesirable spots. The entire assembly is encased in a blue, flexible material. The tip of the soldering iron is shown with a yellow, conical ERSADUR coating (100 to 300 micron) of iron plating, which is factory pre-tinned at the working end.

**Cross section of an ERSADUR-soldering tip**

### Cross section of an ERSADUR-soldering tip

## ELS 8000



662 AE



662 BE



662 CE



662 AL



662 BL



662 CL

For high heat requirements



662 AN



662 BN



662 CN



662 DN

### Technical data:

**ELS 803 H supply unit with integrated**

**vacuum/compressor unit**

Rating: 240 W

Supply voltage: 230 V ~

Secondary voltage: 24 V ~

Fuse: 1 AT 0.5 x 20 mm (0.02 x 0.78 in)

Flow rate: max. 7 NI/min max.

**TCS 800 electronic control unit**

Voltage: 24 V ~

Adjustment range: continuous between 150°C (302°F) and 400°C (752°F)

Temperature adjustment:

variable or fixable

Function display: LED

**TCS 800 D electronic control unit with**

**digital display, see TCS 800**

Temperature display: actual value in °C with 3-digit LCD display

**810 CDJ soldering iron Basic tool 80**

Rating: 80 W at 350°C/662°F

Voltage: 24 V ~

Heating time: appr. 35 s

Weight (without cable): 52 g / 1.83 oz

Cable: 1.5 m / 4.9 ft silicone

**820 AEJ desoldering iron**

Rating: 80 W at 350°C/662°F

Voltage: 24 V ~

Heating time: appr. 90 s

Weight (without cable): appr. 135g/4.76oz

Cable: 1.5 m / 4.9 ft silicone

Suction tube: 1.5 m / 4.9 ft silicone

**FES 820 foot switch**

Voltage: 24 V, 6 A

**Order nos.:**

**ELS 8000** Soldering and desoldering station with two TCS 800 control units

**ELS 8000 M** Soldering and desoldering station with TCS 800 and TCS 800 D control unit

**ELS 8000 D** Soldering and desoldering station with two CS 800 D control units

and for each ELS 8000 model:

**ELS 803 H** Supply unit

**810 CDJ** 80 W soldering iron with

832 CD long-life sold. tip

**820 AEJ** Desoldering iron

**FES 820** Foot switch

**A 09** Tool holder for 810 CDJ

**SH 01** Soldering tip holder

**A 13** Tool holder for 820 AEJ

**SH 02** Desoldering tip holder

**VM 01** Vacuum gauge

**3 N 090** Cleaning brush

**3 YN2018-00** Straight-way filter

**Spare parts:**

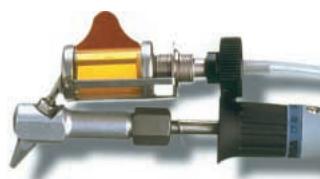
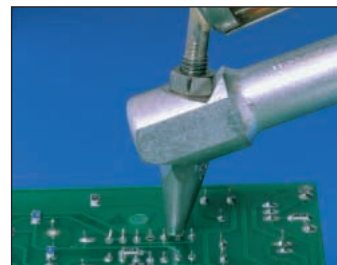
**81100J** Heating element for 810 CDJ

**82100J** Heating element for 820 AEJ and 820 ACJ

**Accessories:**

**602 TE** Mini solder bath

**607 AE** Desoldering head



Soldering iron not included

The 607 AC desoldering head is suitable for reliable and quick batch desoldering of wire-ended high-mass or multi-layer components.

The 820 AEJ desoldering and 810 CDJ soldering iron can be retrofitted with the 607 AC desoldering head.

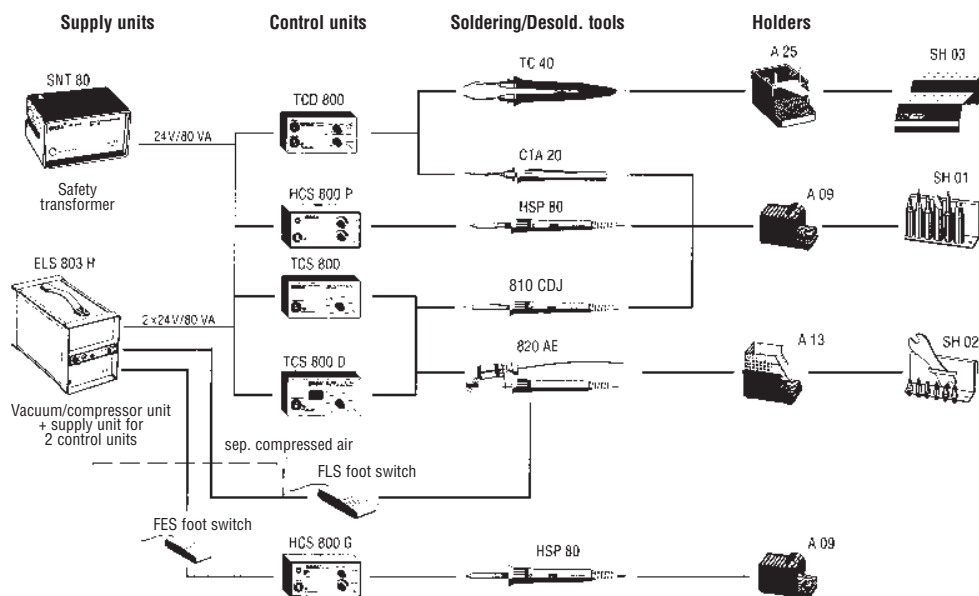
**Order nos.:**

**607 AC** Copper desoldering head complete

## ERSA special desoldering head for desoldering with major heat requirements

### ERSA modular system

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## ERSA modular system for more flexibility and higher profitability

The ERSA modular system, tailor-made for a great variety of applications, was designed to increase the multi-functionality of

soldering and desoldering stations. The individual modules can be combined according to the specific requirements.

Simple tool changing turns soldering systems into desoldering systems and vice versa. A real advantage for ERSA clients.