

SOLDERING / DESOLDERING / REWORK

THERMOREGULATED SOLDERING UNIT

SEM is proposing simple and accurate Units for soldering on traditional and CMS also complying with new Directives RoHS and WEEE.



A complete Station is made with:

- ESD Box with all safety Electronics
- 1 soldering Iron (40 à 150 Watts)
- 1 Support
- 1 Long life Tip

TECNICAL DATA

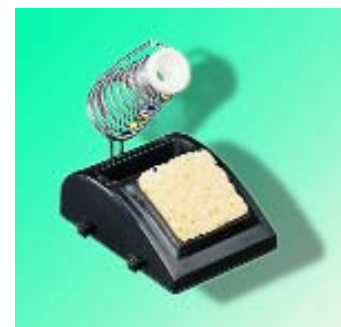


ESD Unit

- Supply 220/240 Vac - 50/60 Hz
- Output 24 Vac
- Regulation by 0 Volt switching (EMC complies)
- Isolation 4 kVac
- ESD material
- 6 bit microcontroler
- Displaying real and programmed temperature 40 to 450 °c (510° for 100W Unit & 150W Unit)
- Control in DC types :
 - automatic half power (150°c) if not used during 1/4 hour
 - automatic shut off after 1 hour
 - locking the temperature settled
- Offset control in order to set the display exactly with temperature at the end of the Tip.
- accurate regulation +/-2°C
- control by led of the regulation
- reliable grounding of Tip
- removable main cord
- burn resistant Iron's cord, flexible and ESD.

Support

- hard bakelit and steady holder
- easy fastening on station
- Nickel-plating Spring support
- teflon guiding sleeve
- special Sponge





Soldering Iron

Large range of 5 Irons (heating coil) with quick temp. rise and stability +/-3°C.

Thanks to "k" type thermocouple, close to the Tip, temperature is reliable.

Our long life Tips are economical

Very light and easy to use Solder "pen"

▣ **Micro Iron 1601, 40 Watts** suitable for all SEM DATA stations, ultra light for accurate soldering-desoldering on traditional and CMS. Only 25g and 180 mm Length

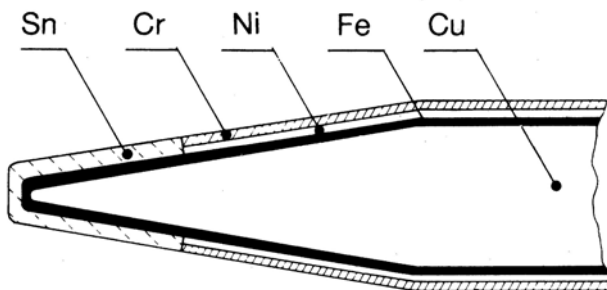
▣ **Fer 2501, 50 Watts** suitable for all SEM DATA stations, traditional and universal for all applications. only 50g and 205 mm Length

▣ **Micro Iron 2501, 95 Watts** suitable for 100W SEM DATA Stations, recommended for Lead free, and passiv components (through-hole..., multi layer...). Only 70g and 190 mm Length

▣ **Iron 3401, 100 Watts** suitable for 100W SEM DATA Stations, designed for Hi Temp 510°C, passiv, connectors, earth.....

▣ **Iron 3501, 100 Watts** designed for 8 mm diameter Tips ("buffalo Tips") for higher Works as braid soldering, power components, grounding....

▣ **Iron 3601, 150 Watts** the same but more powerful



Sn = Tin

Cr = Chromium

Ni = Nickel

Fe = Iron

Cu = Cooper



Tips

Large range of copper Tips with "long life" iron treatment. Suitable for lead free solder (nevertheless, life is reduced thanks to high rate of Stain and hard Flux). Increasing temperature control means shorter Tip's life.

Standard diameters (conical, chisel, screw...) :

0.3 - 0.5 - 0.8 - 0.9 - 1.0 - 1.6 - 1.8 - 2.6 - 3.5 - 5.0 - 8.0 mm