



## ERSA i-CON: Innovative Lead-Free Hand Soldering

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 80 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.



Wide range of soldering tips, series 102

The latest addition to the i-CON family is the i-CON nano. This 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.

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 new "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. 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!

### Process window and alarm:

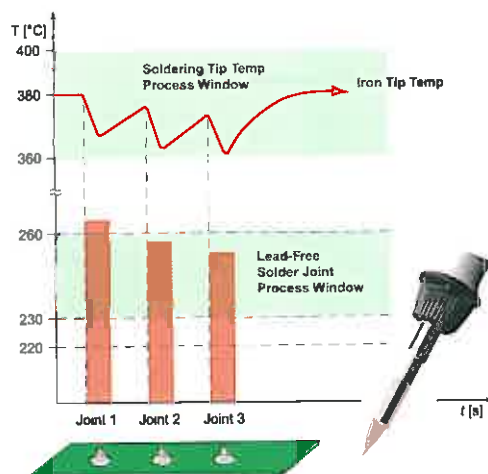
Signals the operator if the temperature leaves the pre-set process window.

### Automatic stand-by:

Recognizes when the iron is not being used and automatically reduces the temperature to a stand-by temperature after expiration of a pre-determined stand-by 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 soldering station.



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.

i-CON Matrix for Soldering Tools & Auxiliary Systems								
		i-Tool nano	i-Tool	Chip-Tool	X-Tool	IR heating plate	EasyArm 110	EasyArm 55
i-CON nano		•						
i-CON 1			•					
i-CON 2			•	•	•			
i-CON 1C			•			•	•	•
i-CON 2C			•	•	•	•	•	