Joule effect soldering set

ref. SI1R

ref. SI2R

Principle :

Resistance soldering is a tool that complements the usual soldering iron. Its advantage is to provide instant localized heat. The principle is to pass a powerful current at very low voltage through a contact resistance at the point of application. The current is on average 30 to 40 A and between 1 to 4.5 V. The electrodes applied to the piece create the point of resistance.

Use :

The soldering operation consists in pinching the parts to be assembled and providing an alloy of tin. As soon as the pedal is engaged, the temperature rises instantly to the desired temperature (max. 1100°C).

- √ Better distribution of the heat (=better distribution of the solder)
- √ No overheating of the component (=instantaneous welding 1100°C)
- √ Speed of execution
- √ Mechanical maintenance of the part

Application :

Connector soldering on semi-rigid
Coaxial connector soldering
Soldering of several strands at the same time etc.

Technical data		
Soldering set	SI1R	SI2R
Mains supply	230 V / 50 Hz	230 V / 50 Hz
Power	80 W	250 W
Dimensions L x l x H mm	200 x 100 x 100	300 x 190 x 210
Plier references	PCSR	PCSI2
Electrodes references	ESI1R – Packaged by 5	ESI2R – Packaged by 3

ref. PCSR

ref. PCSI2

Our two sets consist of a power unit, a switch pedal and a plier with its pair of electrodes.