

SOLDERING MATERIALS

The feature review on Soldering Materials

ELSOLD Solders

In addition to a complete range of high quality solder alloys, ELSOLD® now offers a world class innovation - the micro-alloys ELSOLD® SN100(Ag) MA and ELSOLD® SN100(Ag) MA-S. These patented solders (EP 1 273 384 A1) are manufactured in a revolutionary process called "Frischen" or "Freshening" which can be described as an ultra-grade cleaning operation.

SN100 MA-S remains stable over a very long period of time. In addition to the well known positive characteristics of SnCu / SnAgCu alloys, it is the outstanding cost / performance ratio that make SN 100 MA-S truly stand out.

Using ELSOLD® SN100 (Ag) MA-S in a wave solder machine can result in dross reduction of up to 93 %!

Advantages of ELSOLD® SN100(Ag) MA-S

- Good solderability
- Fine-grained & shiny solder joint surfaces
- Reduced erosion of solder pot & solder tools
- Reduced leaching
- Lowest dross formation
- Best cost efficiency

The special manufacturing process of SN100 MA-S eliminates unwanted impurities leading to a highly pure and stable alloy which shows a reduced tendency to oxidize. This proprietary manufacturing process guarantees an outstanding level of purity without contamination. Such alloys show a high stability and have a low viscosity thereby reducing typical solder defects such as solder peaks and solder bridging. The

soldering results are out-standing and quality fluctuations are kept to an absolute minimum.

For all your Solder Material Requirements, Please contact:

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Dross Comparison with ELSOLD® SN100(Ag) MA-S

Solder bath surface after 8 hrs and before dross removal



SN100 MA-S



Sn99,3Cu0,7

Solder bath surface after 8 hrs and after dross removal



SIRON 937 + & SIRON 938

Vineet Electric launched its new Digital Display Temperature Controlled Soldering Stations, in 60 Watts and 80 Watts. These soldering stations are fitted with original Japanese Ceramic Heating elements and long life soldering tips. They feature advanced Microprocessors based circuitry to ensure highly precise and accurate tip temperature with very fast thermal recovery. This ensures soldering at low set temperature and reducing the thermal impact on components as well as tip oxidation that can shorten the life of tips.

Features:

- Adjustable Temperature Control
- TEMPERATURE RANGE 150 0 C TO 480 0 C WITH DISPLAY
- Ceramic heating element and sensor ensures rapid heat-up temperature and excellent thermal recovery
- Password protected temperature setting functionality
- Applicable for wide range of soldering applications
- Compact design takes up less bench space
- Wide selection of long life tips available for soldering SMD and through-hole

Contact:

Vineet Electric Company

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Soldering Station FX-888D from Hakko Corp., Japan

Soldering Station FX-888D from Hakko, Japan provides accurate temperature control with the digital Technology. This allows soldering at a lower set temperature and reducing the thermal impact on components as well as tip oxidation that can shorten tip life. FX-888D is a compact station that requires a space of only 100(W) x 120(D) mm. The operation of FX-888D is simple and easy due to only two operation buttons of UP and ENTER in the center. The FX-888D's digital display makes it easy to check the set temperature at a glance. Its operation setting can be locked by using a password to prevent it from being changed unexpectedly. We can change the set temperature to suit a particular workpiece, component, or tip shape by using Preset Mode (upto 5 saved temperature settings). With Adjustment mode, what used to be troublesome procedure is now as simple as entering the measured tip temperature in FX-888D. The temperature range of FX-888D is 200-480°C.



Available in India From:

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Lead Free Wave Soldering Machine HM-350/450

The advantage of a Select HM-350/450 as selective and wave soldering equipment is seen as a "better, cleaner, more convenient" way for today's challenging applications. The application is not restricted to the implementation of the lead free process, but is also founded in cost- reduction and quality improvement compared to standard Wave soldering equipment.

Features

- PLC for controlling system makes the machine very stable and can save the information including the temperature information, speed information, spray flux information.

- Sprayer driven by stepper motor and rail/slider guiding rail. This makes sprayer moving stable, smooth and long life warranty.

- Two forced air convection preheat zones control by PLC in PID model. The preheat zone will provide enough uniform heat for the PCB.

- The drawer type blower and drawer type heater installation style, make the maintenance very convenient.

- Solder pot is made of TI, 100% no problem for lead-free. We provide 5 years warranty for solder pot itself!!!

- The Rail width can be adjusted automatically by the order from the computer

- External air chiller to attain the great cold-down as per lead-free required .(optional)

- The weekly Operating schedule is available to the operator to start or turn off the machine

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