

On the occasion of the SMT Hybrid Packaging Show 2006 **ELSOLD Solder Products**, a business unit of JL Goslar GmbH, presents the following new products:

■ Soft Solder **ELSOLD FLOWTIN® TC07 (Sn99.3Cu0.7+)**

Produced under license and provided with special micro-alloying additions this soft solder features a number of advantages over the standard alloy ELSOLD TC07. This makes ELSOLD FLOWTIN® TC07 even suitable in many cases as an alternative to TSC (tin-silver-copper) alloys, e.g. TSC 3005:

- good wetting properties
- smooth and shiny surface, comparable to SnPb alloys
- reduced leaching rate
- reduced wear of crucible and soldering iron tips

The alloy is available in the form of bars/ingots, solid or flux-cored wires. Technical details can be taken from the respective data sheet.

FLOWTIN® is a registered trademark of Stannol GmbH, Wuppertal.

■ New Flux-Cored Wire **ELSOLD Type E1**

In many cases the increased process temperatures required in processing lead-free solder wires exceed the normal working temperatures of most commercially available fluxes.

To remedy this situation ELSOLD has created the new type E1, a solder wire flux which clearly distinguishes itself from the solder types available up to now, especially by virtue of the following special properties:

- reduced splashing
- fewer, clear light residues
- excellent wetting
- class ROL0 per EN 61190-1-1

The wire will initially be offered as alloys ELSOLD TSC 3005 (Sn96.5Ag3Cu0.5) and ELSOLD FLOWTIN® TC07 (Sn99.3Cu0.7+) and with a flux content of 2.5%. Standard diameters range from 0.3 mm to 1.5 mm. For details please refer to the respective data sheet.

Both wire types are available as hand-out samples during the show.

■ New Flux: **ELFLUX 2001 NC for Lead-Free Wave Soldering**

In order to meet the risen expectations of the electronic assembly industry regarding the residues remaining on the boards ELSOLD has developed the alcohol-based, rosin-based no-clean flux ELFLUX 2001 NC. Despite excellent wetting properties and solderability this new flux guarantees minimum residues thanks to its unique formula.

The flux meets the requirements of class ROL0 per EN 61190-1-1. It is suitable for foam and spray fluxers.

■ New Flux: ELFLUX 2002 NC for Selective Soldering

Selective soldering is meeting increasing demand not only due to its flexibility for small production series. ELSOLD has developed flux ELFLUX 2002 NC especially for this particular application in selective soldering machines.

The special activator combination used for this flux allows a high degree of flux activity already in lower temperature ranges while there is no loss of activity in the higher temperature zones either.

The flux meets the requirements of class ROL0 per EN 61190-1-1 and is best applied by spraying.

Both flux types are available as usual in 10 or 20 litre containers. Upon special request larger shipping containers can be made available as well.

Detailed technical information can be found in the respective data sheets.

■ All Standard Soft Solders also Available as 1 kg Bars

Besides the standard delivery forms of bars with suspension eyelets (2 different sizes, approx. 3.0 – 3.2 kgs for lead-free alloys) and the traditional triangular bars ELSOLD now also offers 1 kg bars with the dimensions 20 x 20 x 335 mm for all standard soft solder alloys, like e.g.

- ELSOLD TC07 or ELSOLD Flowtin® TC07
- ELSOLD TSC 3005, TSC 3507, TSC3807

Upon special request and if certain minimum quantity requirements are met this delivery form is also available for other alloys. Please talk to our Sales Staff.