



**PRESS RELEASE**

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**Stannol Solder Paste SP6500**

**Process stability and sustainability for high-volume SMT production**

Stannol introduces SP6500, a new high-performance solder paste in the greenconnect series. SP6500 was specially developed for demanding series and mass production in surface-mounted electronics manufacturing (SMT) and combines exceptional process stability with proven environmental compatibility.

**New standards in series production**

SP6500 sets standards in production-relevant key figures: it guarantees constant print-to-print consistency, long stencil service life and reproducible reflow results – even over long production runs. This makes it particularly suitable for high-volume production environments where process reliability and minimised downtimes are crucial.

**Performance features at a glance**

- **Consistent performance in stencil printing:** outstanding print stability over long print cycles and reproducible results for at least six hours without re-dosing
- **Robust for high-volume production:** Developed for series and mass production, with stable process windows even with demanding reflow profiles and in air or nitrogen atmospheres
- **Reliable wetting and component performance:** High placement reliability, good self-alignment, low tombstoning and solder-balling rates
- **No-clean technology:** Minimal, transparent residues after the reflow process – most applications do not require downstream cleaning



# STANNOL

PIONEERS OF SOLDERING

## **Sustainability included**

SP6500 not only sets standards in terms of process technology, but also ecologically:

- Solder powder made from recycled solder
- Saves around 85% CO<sub>2</sub> emissions compared to conventional solder pastes
- halogen-free formulation (halogen-zero)

## **Optimised for modern production requirements**

SP6500 supports applications in the fine pitch range up to 0.4 mm and offers excellent tackiness for high-speed pick and place machines. It is also compatible with almost all common stencil printing systems, ensuring high flexibility in a wide range of production environments.

**More information at:** <https://stannol.de/en/sp6500>

## **About Stannol GmbH & Co. KG**

Stannol can look back on a long tradition in solder production: the company has been combining experience and progress in its products for over 140 years. To this day, Stannol is considered a pioneer of modern soldering technology and is firmly established on the market as a brand. The company specialises in the production of solder wires, solder pastes, fluxes as well as rod and bar solders. The product range also includes measuring and testing devices, cleaners, protective lacquers and other accessories. In addition to its high-quality standards, Stannol is committed to sustainable and ecological production.

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