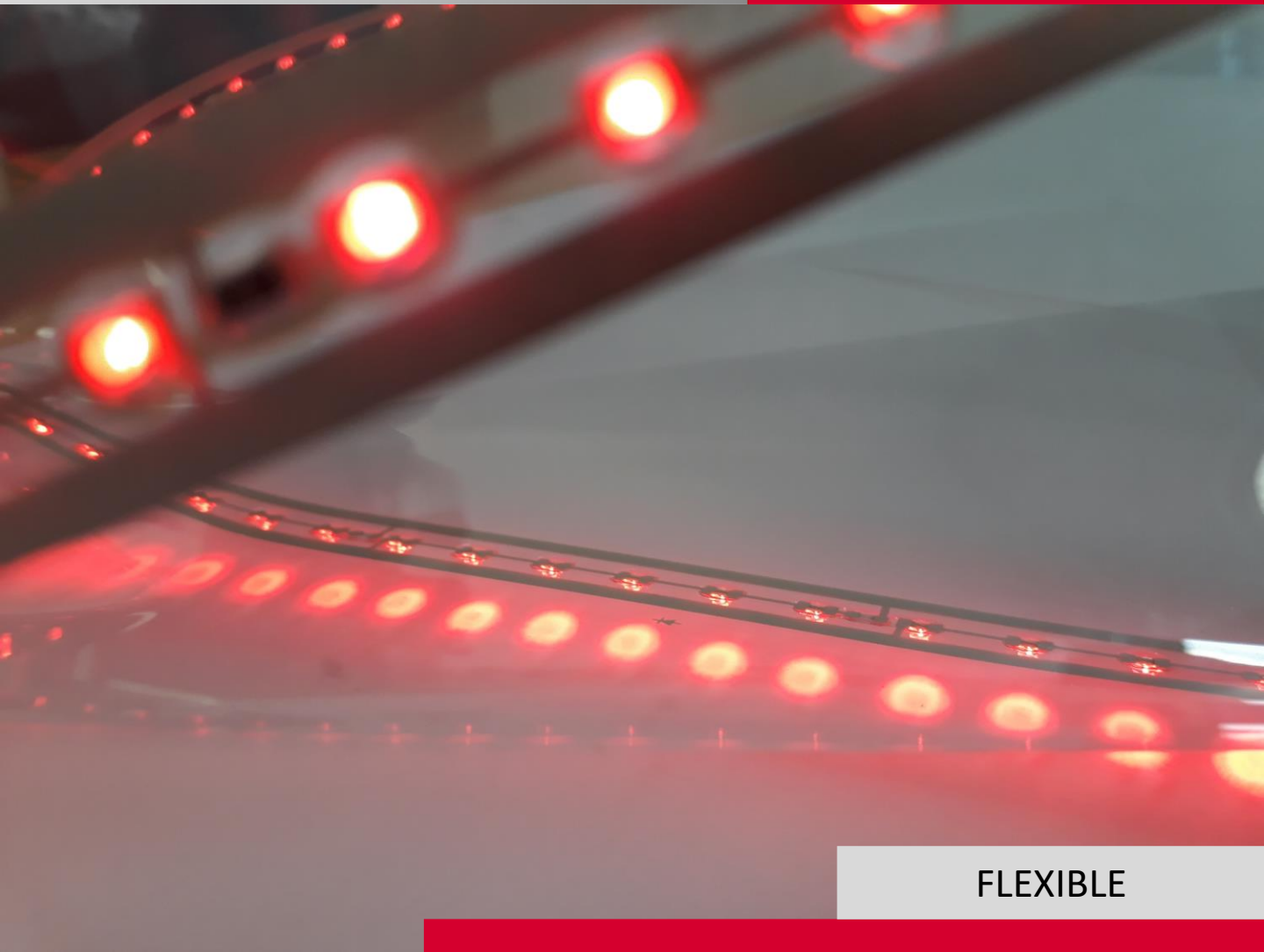


SILVER ELECTRON

Conductive Ink



FLEXIBLE

VFP
Ink Technologies

SILVER ELECTRON

The reference ink in **flexible circuit board** printing

Description

Silver Electron is a solvent based ink made of silver particles. Its annealing temperature ranges from **90 to 150 °C** to integrate industrial processes.

Silver Electron is printable using **silks-screen** printing techniques.

Applications

Silver Electron is used in the credit card, medical and automotive fields by manufacturers as well as research centers.

Most common uses

Flexible keyboards
RFID antennas
Plastic injection
Sensors
Domotics

Advantages

Skills, know-how and made in France

VFP Ink Technologies (Tripette & Renaud group) has been a mark of expertise and quality in the chemical ink formulation sector for 25 years.

Advice & support

VFP Ink Technologies is present across the globe through its international distribution network.

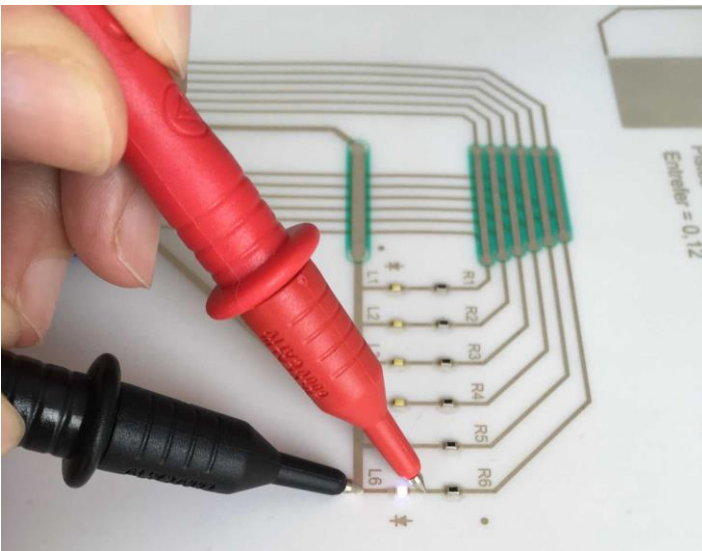
We are always available to advise and assist our clients in their printed electronics projects.

Responsiveness

Rapid response to questions and requests on quotes.

One of the shortest delivery times in the market.

VFP Ink Technologies accompanies you in your express prototypes printing projects thanks to its R&D laboratory equipped with printing and annealing machinery.



SILVER ELECTRON

Silver Electron range

Product Reference	Annealing temperature (°C)	Annealing time (min)	Resistivity property (mΩ/sq/mil)	Printing
SE	130 to 150	10 to 30	≤ 15	Silk-screen
SE-Flex	130 to 150	10 to 30	≤ 12	Silk-screen
SE-Thin Film	130 to 150	10 to 30	≤ 150	Silk-screen
SE-Fast Cure	120 to 130	1 to 3	$9 \leq \rho \leq 12$	Silk-screen
SE-Speedy Cure	90 to 120	1 to 5	$7 \leq \rho \leq 12$	Silk-screen

A wider range

An annealing temperature range to integrate all industrial processes.
(hot air drying, IR tunnel)

Substrates

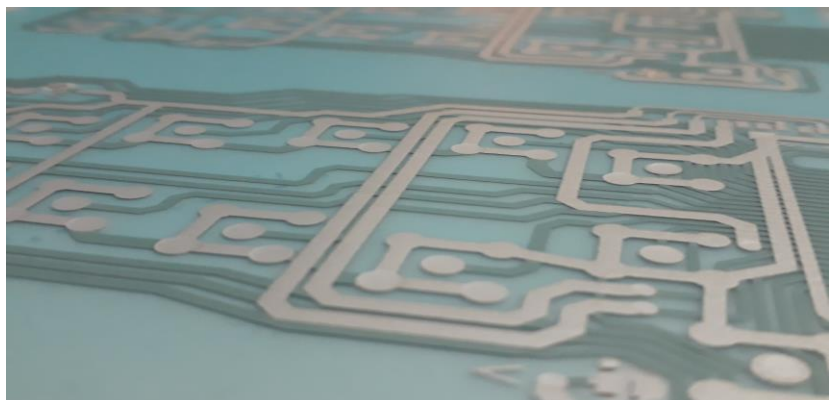
The Silver Electron range was designed to adhere to a wide array of substrates such as PET, polycarbonate, TPU, polyimide, glass, paper, textile fiber, Kapton...

Options

The Silver Electron range has been tested and validated on Xenon photonic annealing as well as NIR light systems.

The conductive ink range is compatible with our dielectric varnishes (ref: **ECV**) for multilayer printing and printing on resins qualified for components transfer.

ENCRE SOLVANT



SILVER ELECTRON

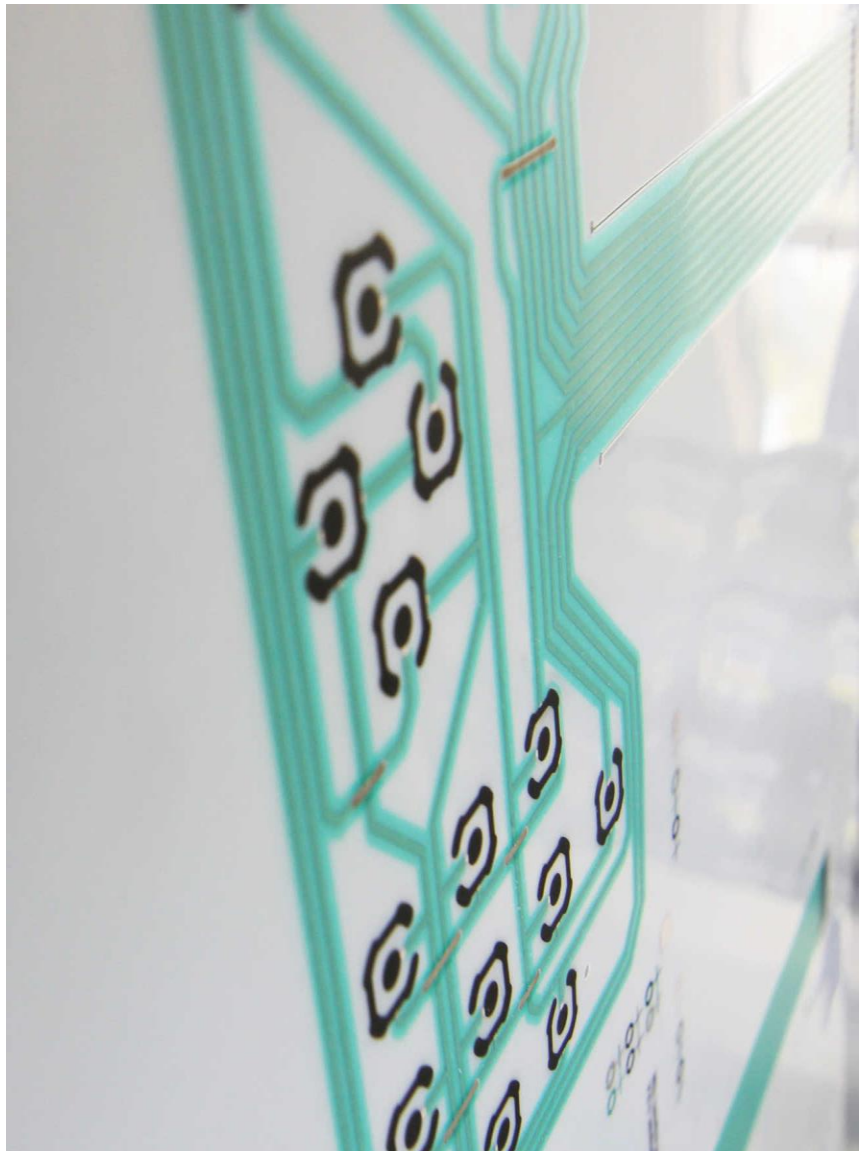
Implementation

The Silver Electron ink range is printable using all silk-screen printing processes as well as dispensing systems.

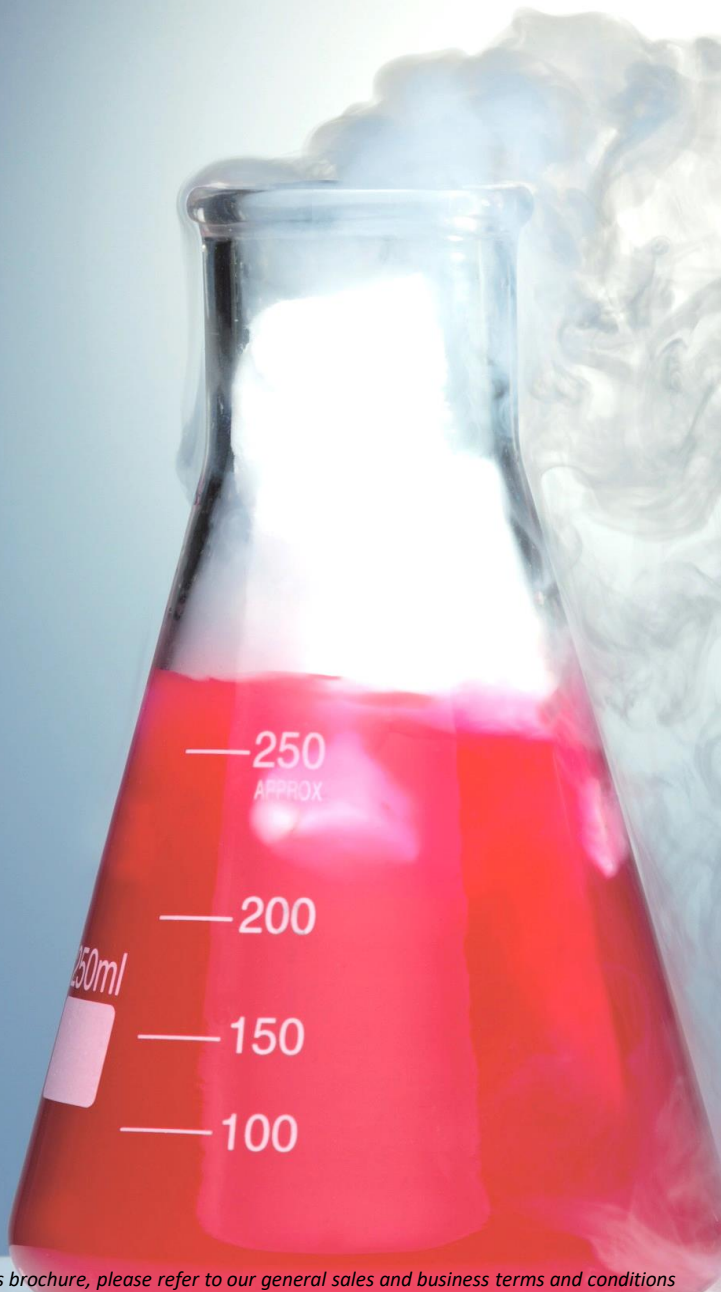
The Silver Electron ink range can be redesigned to perfectly fit our clients' production line.

Our functional inks are implemented at our clients' plant with our technical team comprised of **experienced application engineers**. We offer a comprehensive support ensuring the best possible start of any industrial process.

VFP INK TECHNOLOGIES has been designing and developing its own silk-screen printing screens for **25 years** in order to offer the best production optimization parameters. A screen contributes to about **70%** at the start of the industrial process in terms of precision and raw materials cost savings.



SILVER ELECTRON



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