PRINTED ELECTRONICS

VFP
Ink Technologies

SILVER ELECTRON RANGE

SOLVENT BASED INK

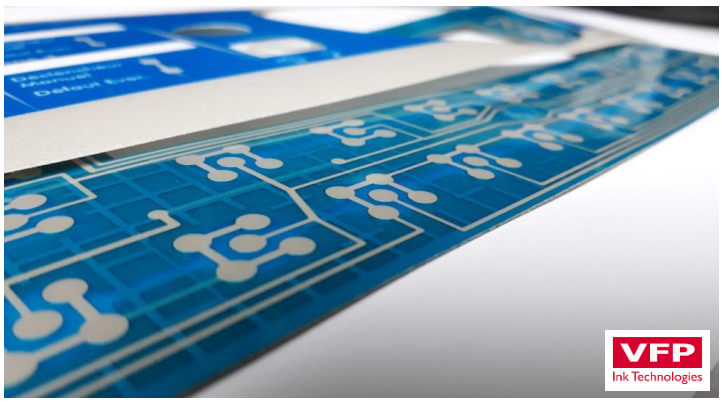
Conductive inks

Product reference	Curing temperature(°C)	Curing time (min)	Resistivity (mΩ/sq/mil)	Benefit
SE	130 to 150	10 to 30	≤ 15	Temperature resistance Long screen life High stability
SE-*Thin Film*	130 to 150	10 to 30	≤ 150	Cost efficiency
SE-*Form*	130 to 150	10 to 30	≤ 15	3D Forming/ In Mold
SE-*Flex*	130 to 150	10 to 30	≤ 12	Stretchable
SE-*Speedy Cure*	120 to 150	1 to 5	≤ 15	High conductivity Long screen life
SE-*Speedy Thin Film*	120 to 150	1 to 5	≤ 50	Cost efficiency
SE-*Speedy HR*	120 to 150	3 to 5	< 25	Fine line Long screen life High stability
SE-*Ultra Cure*	90 to 150	1 to 5	< 7	Fast production Fast drying
SE-*Ultra Thin Film*	90 to 150	1 to 5	≤ 20	Cost efficiency
SE-*Flash Cure*	120 to 150	3 to 5	< 8	Very high conductivity Long screen life

Implementation

VFP Ink Technologies takes advantage of 25 years of expertise in screen-printing and provides full on-site support

Conductivity
Flexibility
Printability



ENCAPSULATING RANGE

UV INK

Dielectric varnishes

Product reference	Polymerization energy	Varnish color	Compatibility	Benefit
ECV-001	60 mJ/cm2	blue	SE Range	Fast production
ECV-002	60 mJ/cm2	Transparent	SE Range	Fast production
ECV-003	300 mJ/cm2	green	SE Range	thermoformable
ECV-004	300 mJ/cm2	Transparent	SE Range	thermoformable

Flexibility
Printability
Insulation
Protection

Implementation

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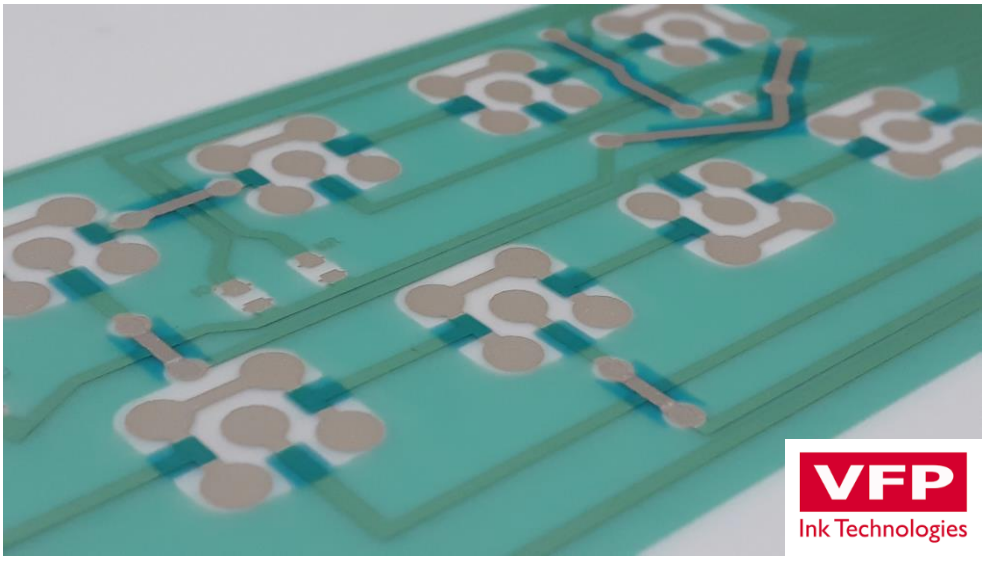

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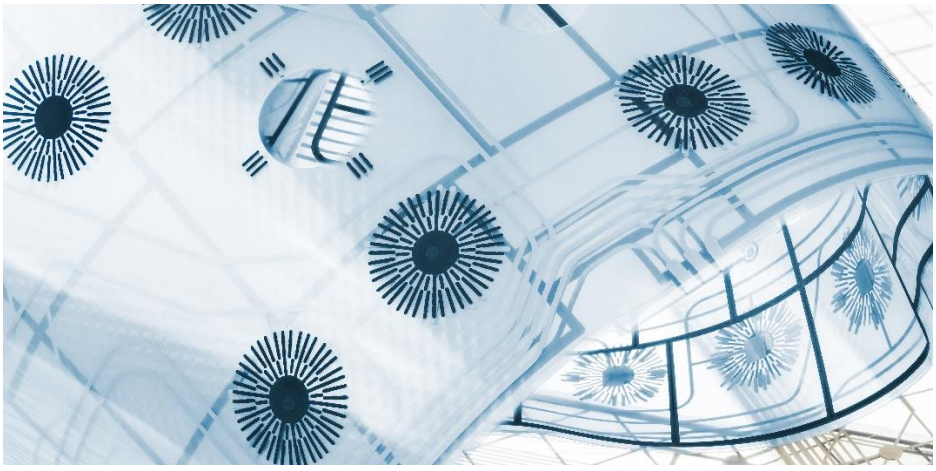
CARBON ELECTRON RANGE

SOLVENT BASED INK

Carbon inks

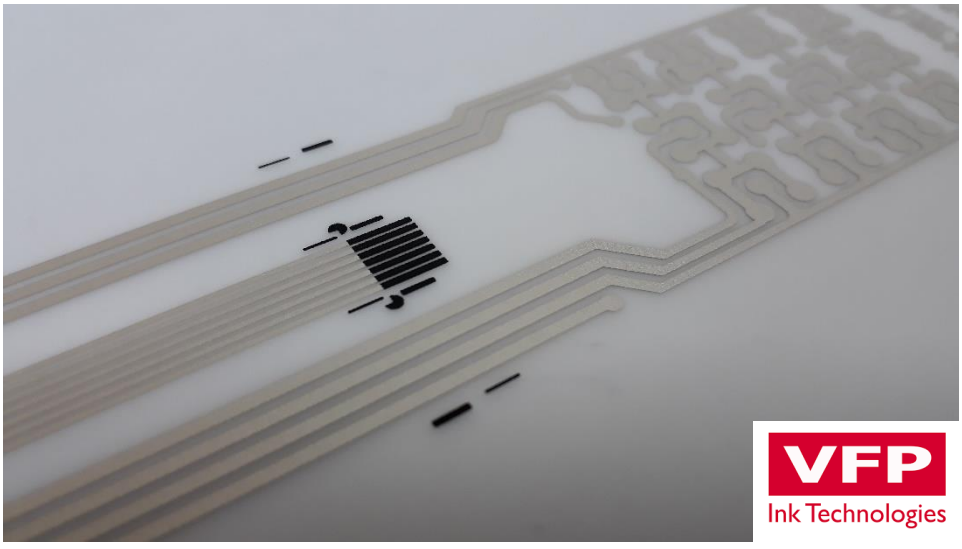
Product reference	Curing temperature(°C)	Curing time (min)	Resistivity (Ω/sq/mil)	Benefit
RV-*166022*	120 to 150	3 to 5	≤ 120	Coverage Flexibility
HB-*2103*	120 to 150	3 to 5	≤ 60	Conductivity Flexibility Fine layer

Flexibility
Printability
Insulation
Protection



Implementation

VFP Ink Technologies takes advantage of 25 years of expertise in screen-printing and provides full on-site support



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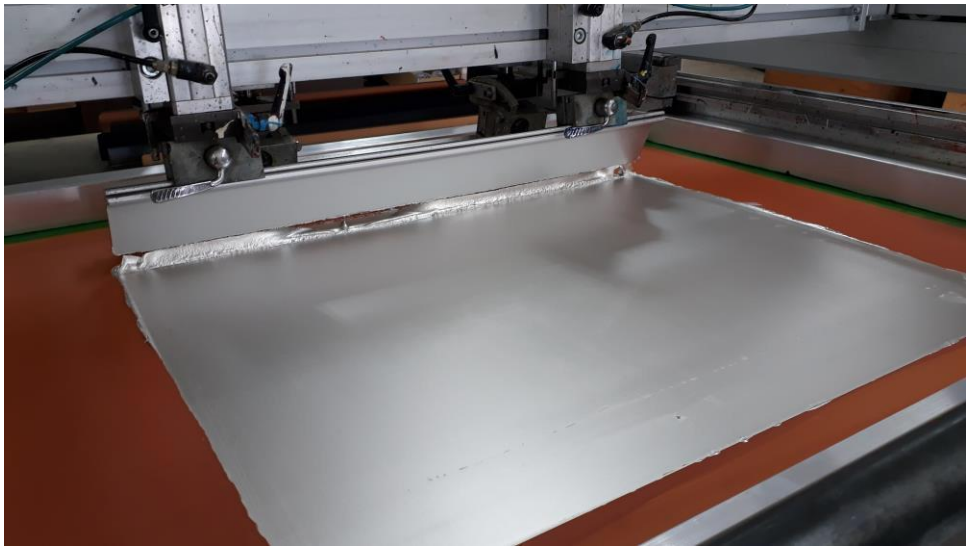
INDUSTRIAL PROCESS

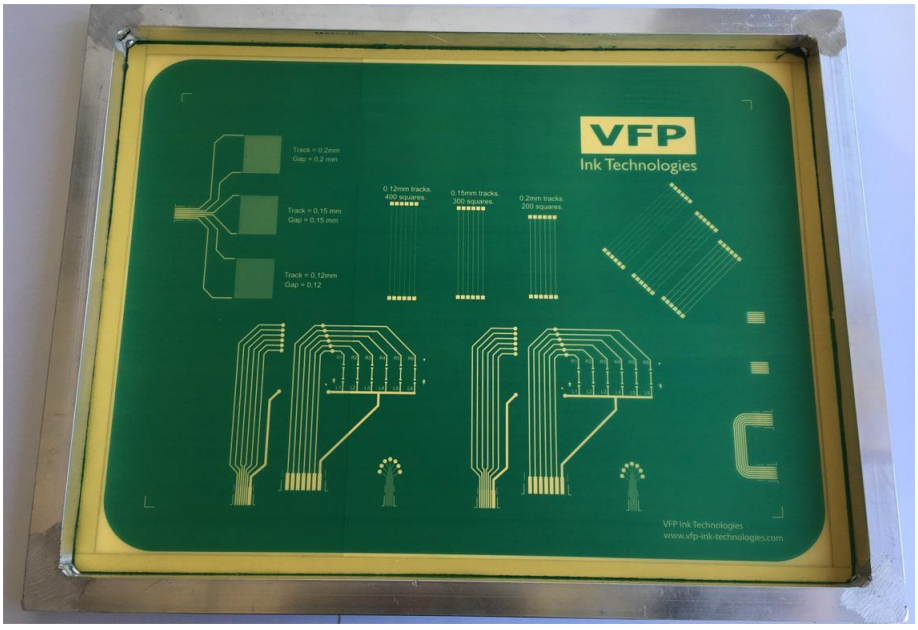
Screen printing



VFP Ink Technologies produces, develops and markets screens in addition to our inks range

Product reference	Mesh (thread/cm)	Squeegee	Squeegee angle	Thickness
SE range	90 to 150	65 shore	45°	6 to 10 µm
ECV range	77 to 90	75/90/75 shore	45°	12 to 20 µm

VFP Ink Technologies helps you with machine settings as well as process improvement

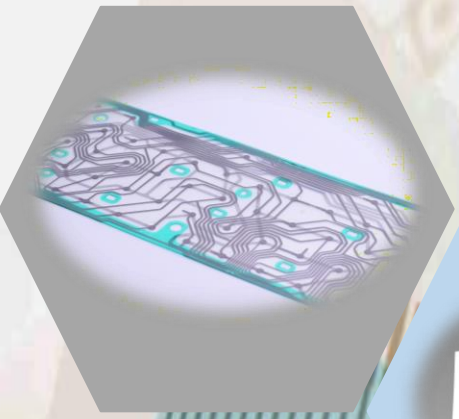


APPLICATIONS

VFP Ink Technologies

Printed Electronics

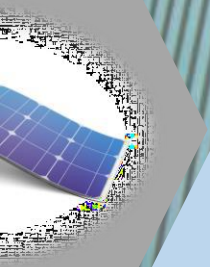
Membrane switch



Antenna

OPV

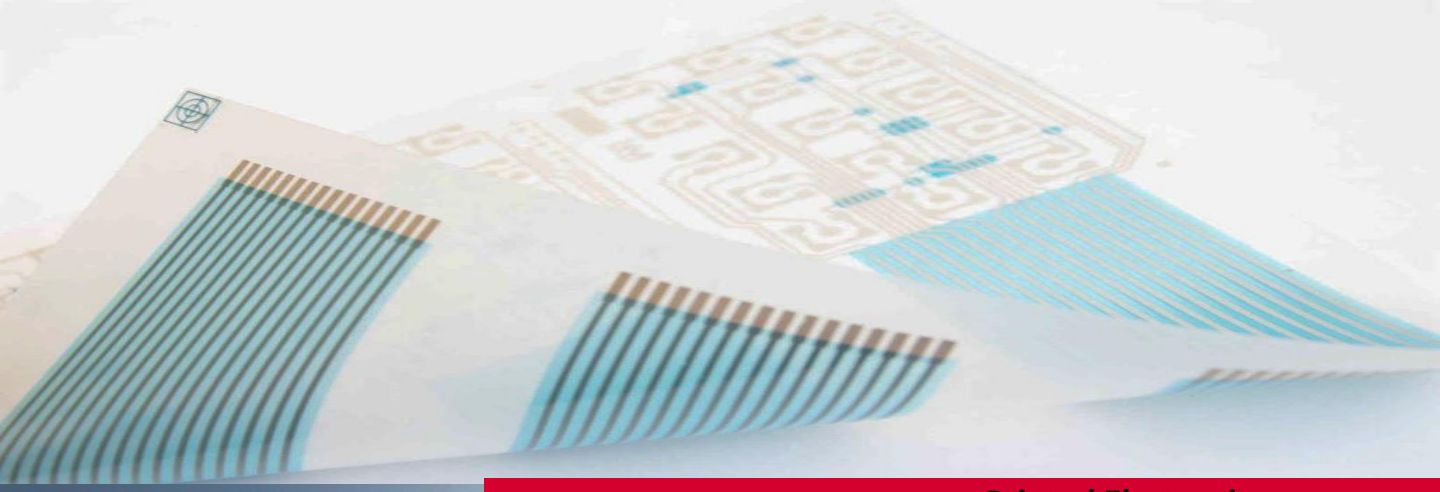
Sensors



Packaging

Plastronics

Textile



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VFP INK TECHNOLOGIES
Immeuble le TREMA
163 Quai Aulagnier
92601 Asnières sur seine
Tel : +33 (0)3 22 85 76 17
www.vfp-ink-technologies.com

VFP Ink Technologies