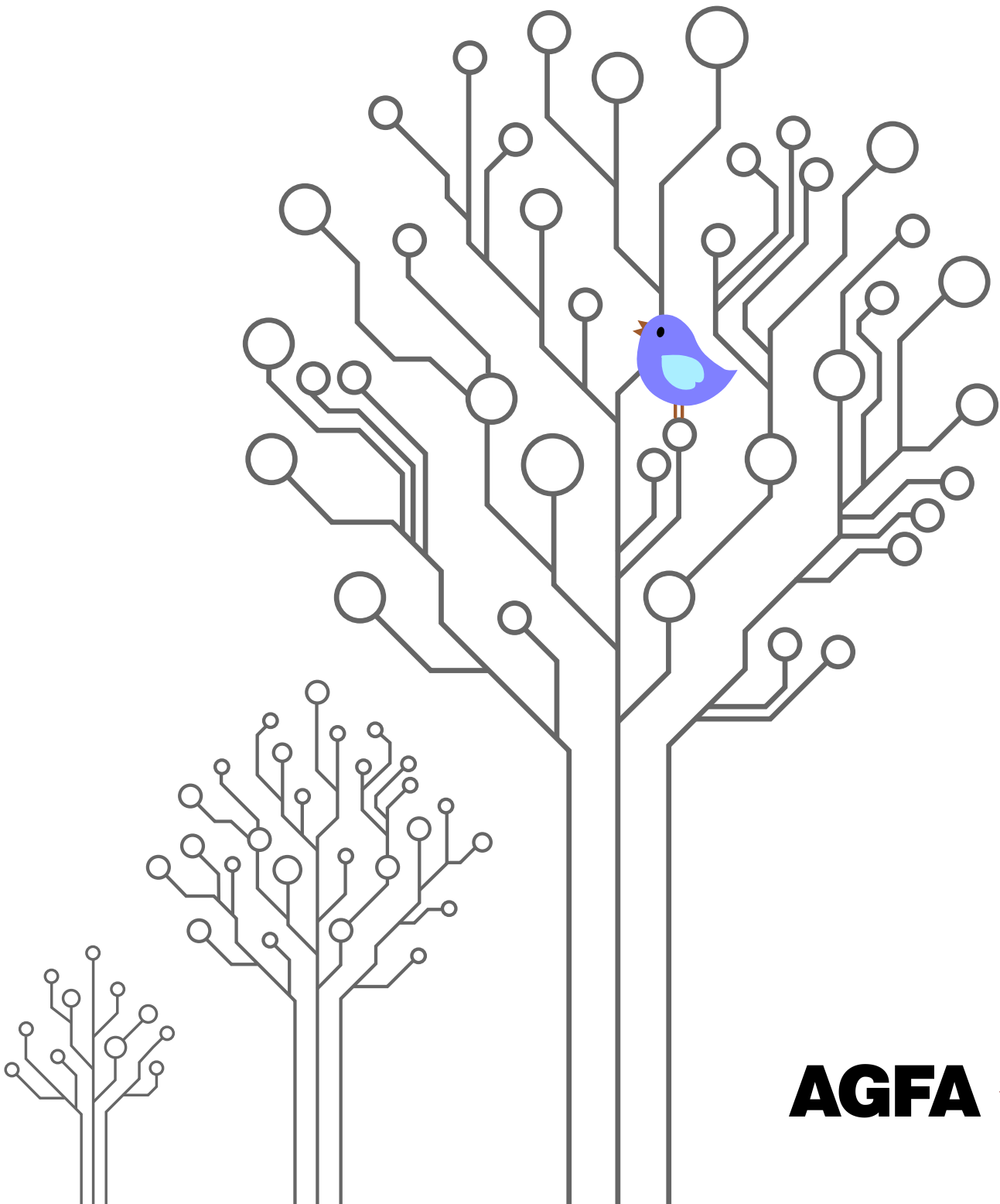


**ORGACON**

CONDUCTIVE  
**SILVER INKS**  
FOR PRINTED ELECTRONICS



**AGFA**




# FEATURES

- High conductivity with low printed thickness  
- 50 mOhm/sq at 1-2 μm thick
- Low temperature sintering - 130-150°C
- Fine-line printing down to 50 μm lines
- Inkjet support

# BENEFITS

- Same performance as other silver inks but  
3x lower silver consumption
- Transparent capacitive buttons by printing areas  
with invisible line patterns
- Digital manufacturing of PE devices becomes possible

# APPLICATIONS

<h2 style="margin: 0;">CONDUCTIVE CIRCUITRY</h2> <ul style="list-style-type: none"> <li>● cap sensors for automotive, industrial and white goods</li> <li>● antennas</li> <li>● smart packaging</li> </ul>		<h2 style="margin: 0;">TRANSPARENT ELECTRODES</h2> <ul style="list-style-type: none"> <li>● backlit cap touch elements</li> <li>● ITO replacement</li> </ul>
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# THE ORGACON PORTFOLIO

	SI-P2000	SI-J20x
Process	Screen printing	Inkjet printing
Substrate	treated/untreated PET ITO film / glass / FR-4 / PI	paper / cardboard treated PET
<b>PROPERTY</b>		
Resistivity (std. lab conditions)	<3 mOhm/sq/mil	<3 mOhm/sq/mil
Curing	10 min @ 130°C <2 sec with NIR	30 min @ 150°C <2 sec with NIR
Adhesion (ISO 2409)	0	0-1



Ink development and manufacturing processes are executed according to the Quality Management System of Agfa, which is ISO 9001 certified. Agfa is also ISO 14001 Environment certified.

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