

who is breaking new ground  
in nanosilver technology?

we are.

working for you.



## Key Attributes and Benefits:

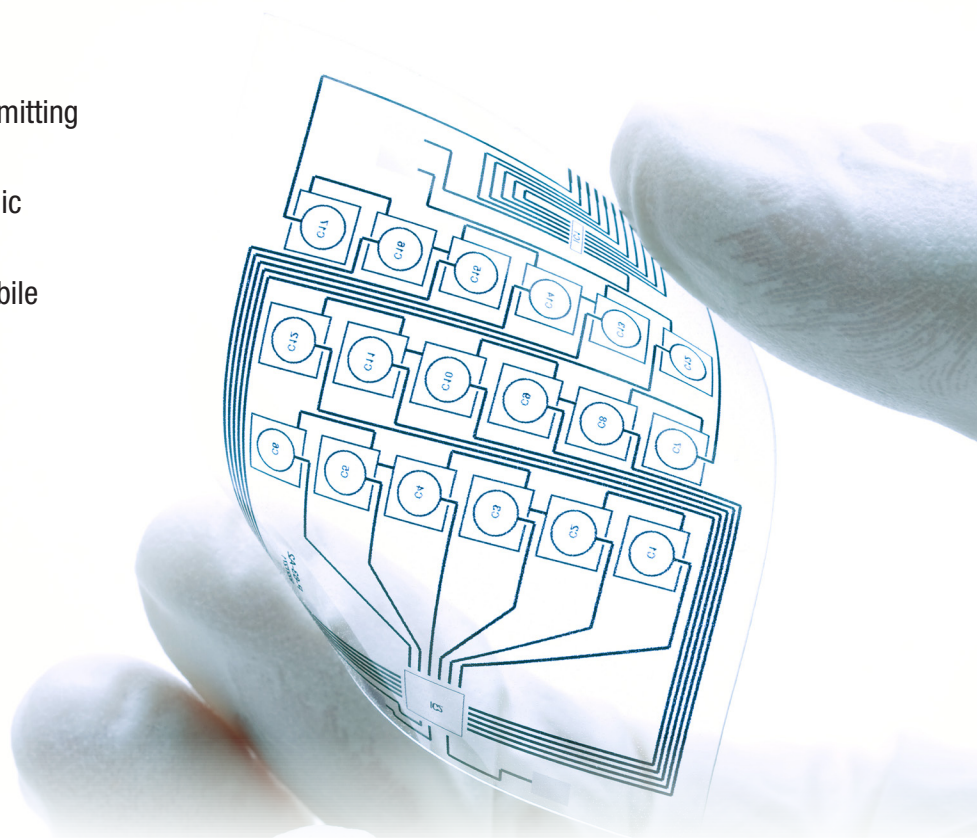
- EMD5800 is an inkjettable nanosilver ink with superior conductivity and high print resolution for consistent printed electronics manufacturing
- Featuring outstanding jetting performance as well as monodispersion and low-temperature sintering properties, EMD5800 ensures reduced processing time
- EMD5800 exhibits adhesion to a variety of substrates, including polyimide, polyethylene terephthalate (PET), polycarbonate and polycarbonate/acrylonitrile-butadiene-styrene (PC/ABS)
- Compatible with most industrial and commercial printer heads

## Major Applications:

- Highly flexible and conductive organic light-emitting diode (OLED) panels
- Thin-film photovoltaic designs, such as organic photovoltaic (OPV) materials
- Extremely conductive and flexible printed mobile antennas
- Highly conductive printed RFIDs
- Touch screen displays

## EMD5800 Nanosilver Ink for Printed Electronics

Silver Content	40-50%
Binder	Oil-Based
Viscosity	6 - 8 cPs @25°C
Surface Tension	25 - 28 dynes/cm
Volume Resistivity	6 - 25 uΩ.cm
Sintering Temperature	100 - 150°C for 10 - 60 min.
Storage and Shelf Life	10-15°C, 3 months
Available Quantities	50mL or 1L Amber Jars



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