

# Electronic Materials & Printed Devices

With a deep understanding of electronic materials and printing techniques, we have shaped the printed electronics landscape from the very beginning.



## Our Expertise

We are pioneers in the design and production of electronic materials and their application in printed devices.

From custom formulation to performance evaluation, we can provide comprehensive solutions to support your needs and help explore how printed electronics can expand your business regardless of where you are in your development pipeline.

## Our Solutions

We offer a variety of material solutions for the printed and flexible electronics industry:

- Silver nanoparticle inks:
  - Piezo inkjet system
  - Optomec ultrasonic & pneumatic Aerosol Jet® systems
- Metal complex based inks & photoconductive pigments
- Organic dielectric
- Charge transport molecules & films

## Our Commitment to You

We will work with you to develop specialized electronic materials and formulations for your specific applications. We put our decades of experience to work to help you get the performance and quality you need to succeed.

Find out how we can provide custom solutions for your electronic materials challenge.

As the global materials research and development centre for Xerox Corporation, we have been taking materials from concept through to commercialization in a highly competitive technology environment for more than forty years.

<p><b>SYNTHESIS &amp; FORMULATION</b></p>	<p><b>PROOF OF CONCEPT</b></p>	<p><b>PROCESS ENGINEERING</b></p>	<p><b>ANALYSIS &amp; EVALUATION</b></p>	<p><b>MATERIALS SUPPLY</b></p>
<p>Fine chemical &amp; polymer synthesis</p> <p>Custom formulation development, including dispersions and nano- to micron-scale polymeric particles</p> <p>Nanomaterial &amp; nanocomposites preparation</p>	<p>Performance testing (linking material properties to system requirements)</p> <p>Prototyping, design and fabrication</p>	<p>Optimization for process producibility</p> <p>Proof of large-scale manufacturability</p> <p>Sourcing and procurement of raw materials</p> <p>Estimation of process economics and production costs</p>	<p>Materials testing and characterization</p> <p>Analytical consultation</p> <p>Customized method development</p> <p>Third-party performance validation</p> <p>Data interpretation &amp; documentation</p>	<p>Supply of gram to hundreds of kilogram quantities</p> <p>Identification of manufacturing options and technology transfer</p>

**ENGAGE US**

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Quality Management System