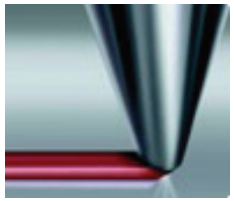
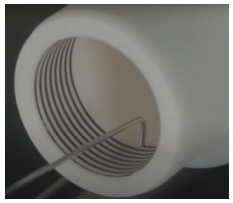
PIONEERING MICROPEN
PRINTED ELECTRONICS
FOR OVER 30 YEARS

ISO 9001 · AS 9100 · ISO 13485

Print functional conductive patterns on any surface:
3D, irregular, expandable or even inside of a tube

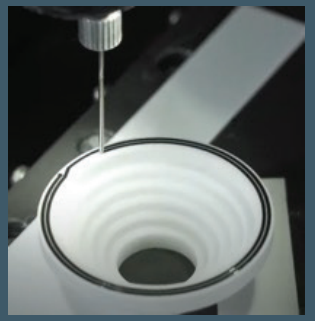
- Electrodes
- Sensors
- Antennas
- Resistors

EXXELIA MICROPEN

EXXELIA MICROPEN CAPABILITIES

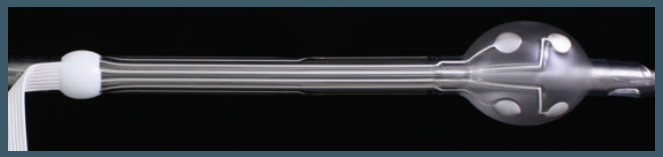
- Electronic Printing
- Material Formulation
- Supply Chain Management
- Assembly
- Testing and Inspection
- Interconnection ... and much more!



From the Basic · To the Complex
Turn-Key Solutions

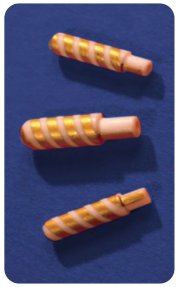
WHY MICROPEN?

- Add functionality to your device without increasing size
- Integrated design for high reliability
- Wide range of substrates and inks
- High fidelity, accuracy, repeatability and thickness control
- Fully additive process using just the material needed; eco-friendly
- End-to-end collaborative partner
- Proven track record



SERVICES

- **Design** – Innovation and Collaboration
- **Product Development** – Planning and Validation
- **Full Solution Manufacturing**

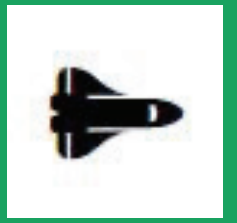


Work with our seasoned design team to help you develop the perfect solution for your application!

www.micropen.com

Medical

Analytic

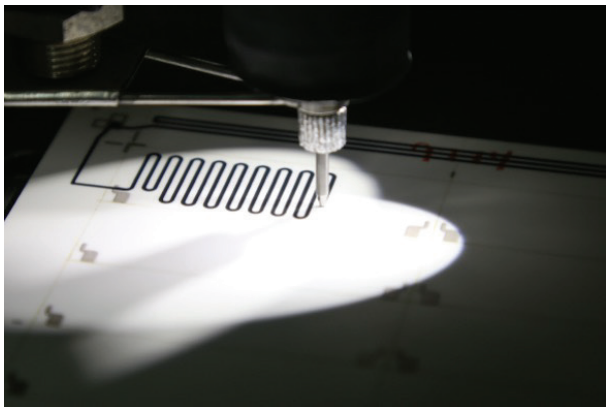
Aerospace


Defense

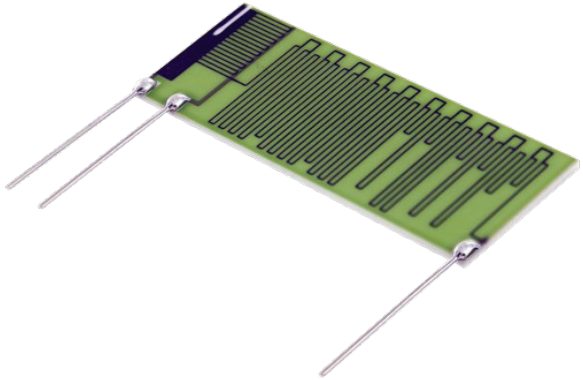
Applications for Micropen in Defense and Aerospace

APPLICATIONS

- Sensors
- Antennas
- Heating Elements
- X-Ray Visualization
- Anti-tampering
- Anti-counterfeit
- RFID
- Ion Detection
- Night Vision Optics



ISO 9001 AS 9100 ISO 13485



ADVANTAGES

- Adds Critical Functionality to Devices and Components
- Conforms to 3-D Shapes
- Space and Weight-Saving
- Enhances Reliability
- Resistant to Shock and Vibration
- Quick Prototypes