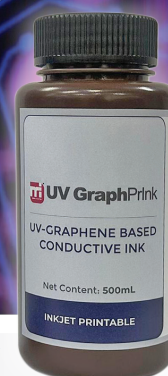


Mi-UV GraphPrInk

UV-curable Graphene Conductive Ink

A graphene-based conductive ink with water-based formulation as a substitute for metal-based conductive ink. It is fast-drying, eco-friendly and supports flexible printed electronics and wearable sensors and devices.



Mi-UV GraphPrInk

Technology Overview

Mi-UV GraphPrInk is a next-generation, proprietary graphene-based conductive ink designed as a high-performance alternative to traditional metal-based conductive inks commonly used in the Electrical & Electronics (E&E) industry.

Engineered to meet the growing demand for more sustainable and flexible solutions, Mi-UV GraphPrInk enables the advancement of printed electronics, wearable technology, and flexible electronic devices. Its innovative formulation harnesses the exceptional electrical conductivity of graphene, opening the door to lightweight, cost-effective, and scalable electronic applications for the future.

Technology Benefits

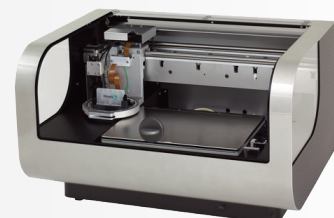
- **Cost-Efficient Innovation**
Achieve a maximum 80% reduction in metal usage without compromising conductivity. Our high conductance hybrid graphene technology supports our high jettable ink achieving lower material usage while maintaining performance.
- **Environmentally Sustainable**
Utilise the capabilities of carbon-based graphene, a more environmentally friendly option for the electrical and electronics industries. Intended for mass production with low harm to nature.
- **Adaptable & Future-Ready**
Mi-UV GraphPrInk supports custom functionalization, which allows for self-adaptation. Through proprietary chemical

Key Features

- **Exceptional Conductivity**
Engineered with graphene-based liquid that delivers conductivity on par with traditional metal-based inks without the heavy cost.
- **Inkjet-Ready**
Optimised for smooth inkjet printing, including Dimatix DMP series cartridges, with low viscosity (<15cP) for reliable, consistent performance.
- **Ultra-Thin Monolayer**
Formulated with monolayer graphene to ensure easy jetting and minimise print head clogging, enabling cleaner, more precise outputs.
- **Fully Customisable**
Flexible by design, formulations can be tailored to specific applications, performance needs, and material specs.

Applications

- Flexible & Wearable Electronics
- Nanosensors & IoT Devices
- Printed Circuitry & Interconnects
- Smart Packaging & RFID



MIMOS Conductive Ink Printer

Certified by:

