



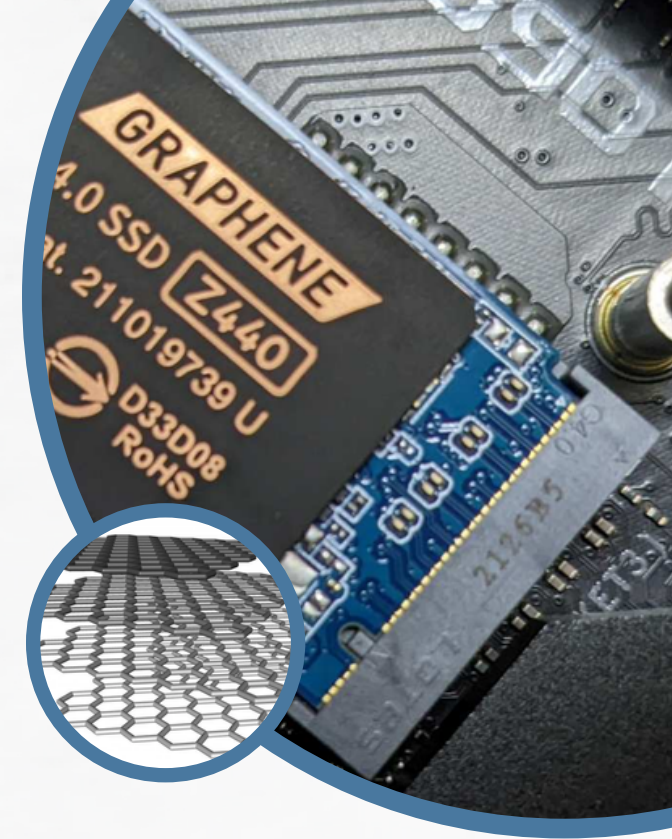
BIGNANOTECH

Graphene conductive ink

Characteristic

Safe for health and environment

- ✓ Using an organic solvent with a proprietary formula, Big Nano Tech's graphene conductive ink is very safe for health and eco-friendly.
- ✓ Can be easily mixed and combined with water-based paint solvents to make anti-static paints, electromagnetic shielding,...



Specifications

Meet quality standards

- Dark gray liquid
- Density: ~ 1 kg/liter
- Additives (surfactants): 0.1%
- Concentration: ~ 80 mg/ml
- Thickness: 1-5 layers
- Particle diameter: 0.5 - 2 m
- Conductivity (after gentle drying 80°C): 2.10^5 (S.m)

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Is an advanced technology product applied in the field of manufacturing electronic circuits. With the main component of two-dimensional graphene sheets with a thickness of only one or a few atomic layers, graphene conductive ink possesses outstanding features such as record-high electrical conductivity, strong mechanical properties, very chemical stability and Super light weight.



Application

Technology of the future

Graphene conductive ink is considered by scientists to bring breakthroughs in human industry by diverse applications in the following areas:



Electricity - electronics: Fabrication of flexible electronic circuits



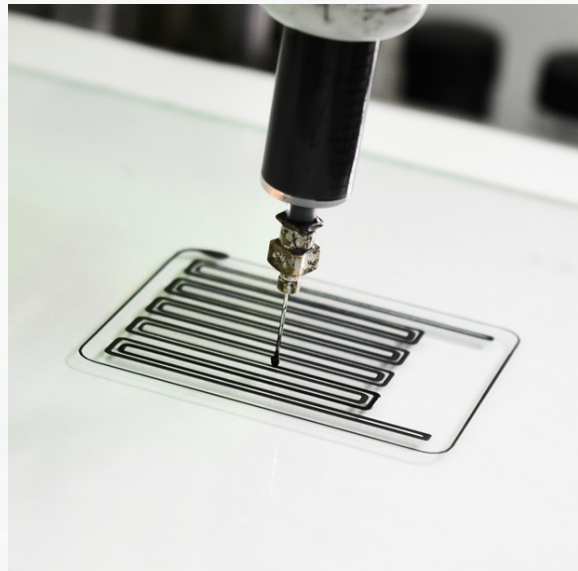
Sensors: Create electrodes and electronic circuits mounted on compact sensors, biocompatible, chemical, electrochemical...



Energy storage and conversion: Application in parts of supercapacitors, fuel cells, catalytic electrodes, H2 biochemistry...



Other industrial applications: As an additive for automotive coatings, concrete, latex...; Blending to create composites for multi-applications such as anti-corrosion coatings for metals, insulation coatings, anti-static, shielding from electromagnetic interference, anti-stagnation, anti-UV...



User manual

Industrial production



Used as conductive ink for inkjet printers; role-to-role printer, industrial 3D printer...



Mix by machine with other chemicals and solutions in proportions suitable for the purpose of use.

Contact us



BIGNANOTECH

Delivery Nano into Big value



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Location

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