

EcoGraphTag Graphene RFID Electronic Tags

1. Product Introduction:

Radio Frequency Identification (RFID) technology is a wireless communication automatic identification technology, commonly known as RFID or electronic tags. It can identify specific targets and read/write related data through radio signals without the need for mechanical or optical contact between the identification system and the target. Compared with traditional barcode or QR code labels, RFID tags have larger information storage capacity, the stored data can be modified or deleted, data security is higher, reading is more convenient, and the identification speed is faster. It can collect information from multiple objects in motion at high speed. RFID technology enables transparent and real-time management of items through computer networks, thus realizing the true meaning of the "Internet of Things." It is another application technology with huge market potential following the Internet.

With the rapid development of industrialization and information technology, the application of RFID technology has become increasingly widespread, driving the rapid growth of the RFID product market. Our company produces unique graphene RFID tags with internationally leading and completely independent intellectual property rights. We are the only enterprise in China capable of large-scale production of high-conductivity graphene slurry. The products have been widely applied in warehousing and logistics, inventory management, asset management, anti-counterfeiting traceability, safety supervision, smart healthcare, unmanned retail, smart cities, and many other fields. They effectively improve management efficiency, reduce operating costs, and promote the continuous development of digital transformation for governments and enterprises.

2. Product Advantages and Features:

2.1 Made with patented high-conductivity graphene new materials, ensuring excellent conductivity and high stability.

2.2 Produced using the additive method, printed on ordinary paper. The production process is fully compliant with green environmental protection standards. The products are biodegradable after use and harmless to the natural environment.

2.3 Designed with a unique "one-tear-destroyed" physical feature to prevent lifting, transfer, or reuse, enabling true anti-counterfeiting verification and management.

3. Product Categories:

3.1 RFID Library Tags (HF/UHF): Used for self-service borrowing and inventory management in libraries.



3.2 RFID Clothing Hangtags (UHF): Used for retail management in clothing stores and warehouse inventory management.



3.3 RFID Electronic Tickets (HF): Used for ticket anti-counterfeiting management in scenic spots, venues, events, and concerts.



3.4 RFID Blood Tags (HF/UHF): Used for blood safety traceability management.



3.5 RFID Anti-counterfeiting Tags (HF): Used for anti-counterfeiting and traceability of food, medicine, and valuable items.



3.6 RFID Anti-metal Tags (HF/UHF): Used for fixed asset management, equipment inspection, and other applications.



3.7 Other customized graphene RFID electronic tag application solutions.

