



Bilcare is focused on creating next-generation anti-counterfeiting, security and brand protection solutions for a broad range of industry sectors.

With breakthrough research in nanotechnology, Bilcare has developed a unique technology - nCID™ - that enables products to be authenticated as they move through the supply chain to the end consumer.

www.bilcaretech.com
tech@bilcare.com

Americas

USA
Bilcare Inc.
300 Kimberlon Road Phoenixville, PA 19460
+1 610 422 3305

Europe

UK
Bilcare Technologies
Malvern Hills Science Park, Geraldine Road,
Malvern, WR14 3SZ, United Kingdom
+44 (0) 1684 585 257

Italy

Bilcare Technologies Italia Srl
Presso Veneto Nanotech,
Via San Crispino 106,
35129 Padua, Italy
+39 049 7705522

Asia

India
Bilcare Ltd.
601, ICC Tower, B Wing,
Pune 411 016
+91 (20) 30257700

Singapore

Bilcare Technologies Singapore Pte. Ltd.
52 Changi South Street
1, Singapore 486161
+65 63954130

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nonClonableID
Technologies



One-stop Solution for
Track & Trace
and Authentication

Track and Trace is not merely inserting barcodes or having in-line hardware.

What is Track & Trace ?

It is a complete IT-enabled system which captures and maintains billions of records of all events of each pack in the packaging hierarchy and supply chain and allows retrieval of information whenever required.

Tracking identifies the current and intended future location, ownership and packaging hierarchy of a product across the supply chain. It addresses both forward- and reverse-logistics operations.

- "where the product is currently"
- "who is the next intended recipient"
- "what is the current packaging hierarchy of the product".

Tracing identifies the historical location, records of ownership, and the packaging hierarchy of a product.

- "where the product has been"
- "who has previously owned the product"
- "in what packaging hierarchy did the product exist at various locations".



Why Track & Trace

Counterfeiting, drug diversion and theft - risk lives, undermine revenues, and threaten brand reputations. The pharmaceutical industry faces an increasing need to secure and authenticate products across the supply chain.

Track & Trace offers a solution that identifies the origin of a pharmaceutical product and verifies the same.



Why Bilcare

- Global leader serving the pharma industry's needs for decades.
- Pioneered authentication and track & trace solutions.
- One-stop-shop to deliver complete track & trace and authentication solutions

Bilcare adopts a holistic approach combining track & trace and authentication to effectively address unauthorized activities and secure the supply chain.

Bilcare's comprehensive approach leverages its nonClonableID (ncID) technology to offer the following solution capability to the brand owners:

- Each ncID tag employs a unique tamper-evident, materials-based "fingerprint" for each product. This fingerprint is prohibitively

difficult to copy (the fingerprint cannot be duplicated even by Bilcare).

- The fingerprint is based on a unique nano structure pattern of rare earth materials with an exclusive and complex magnetic field.
- The unique magnetic pattern (fingerprint) is read by specialized readers and compared with the one stored in the server.
- The unique fingerprint is combined with a 2D barcode to enable Track & Trace capability.

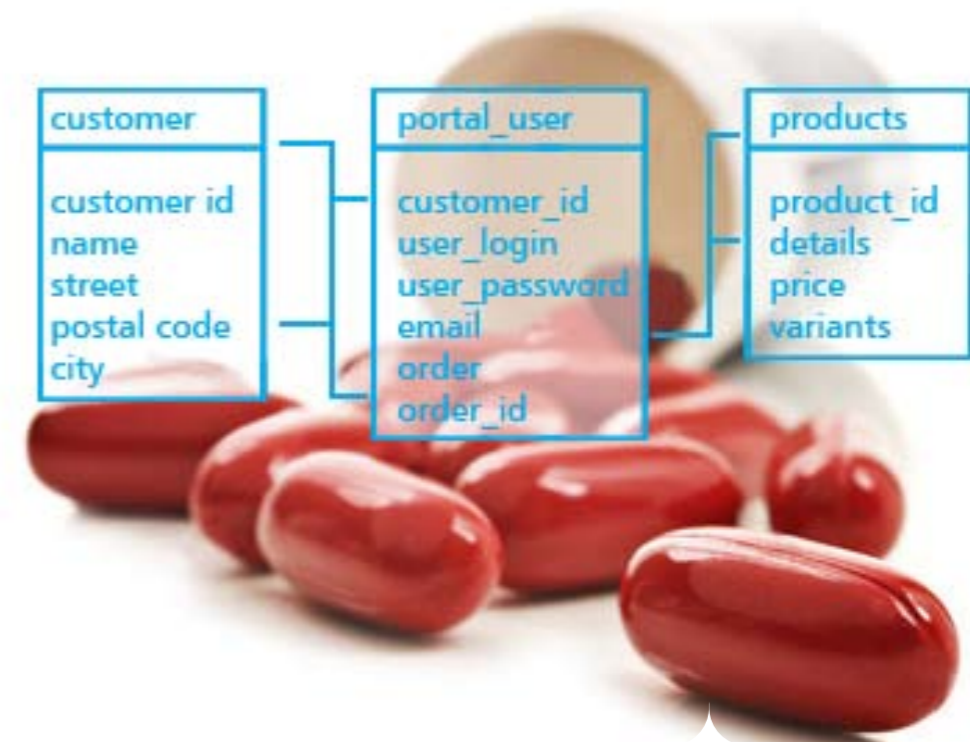


What we offer

Bilcare's Track & Trace solution ensures a safe and secure supply chain enabling pharmaceutical manufacturers, distributors, pharmacies and patients to track items throughout the supply chain.

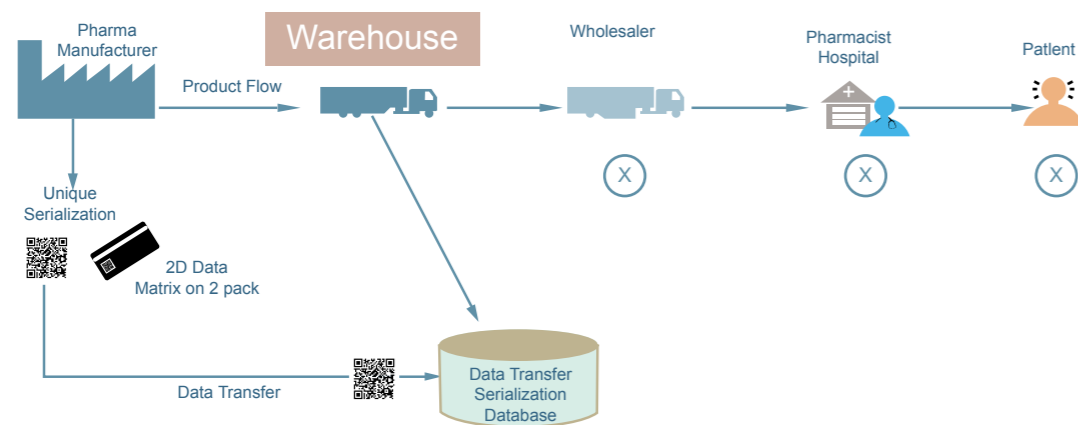
- Flexible, scalable and cost effective solution to facilitate and aid pharma companies to meet the requirements without hampering the current production efficiency with minimal interference.
- Proven approach to integrate track & trace into your business.
- Provides relevant strategic outcomes with focus.
- Operated & backed by industry leaders.
- Powered on SAP platform.

You can rely on Bilcare's industry experience as an end-to-end holistic solutions provider for track & trace and authentication which supports global standards and is scalable to future pharmaceutical industry requirements.



Roadmap to Brand Security

Bilcare's Track and Trace solution establishes supply chain intelligence and enables traceability for end-to-end visibility across the supply chain.

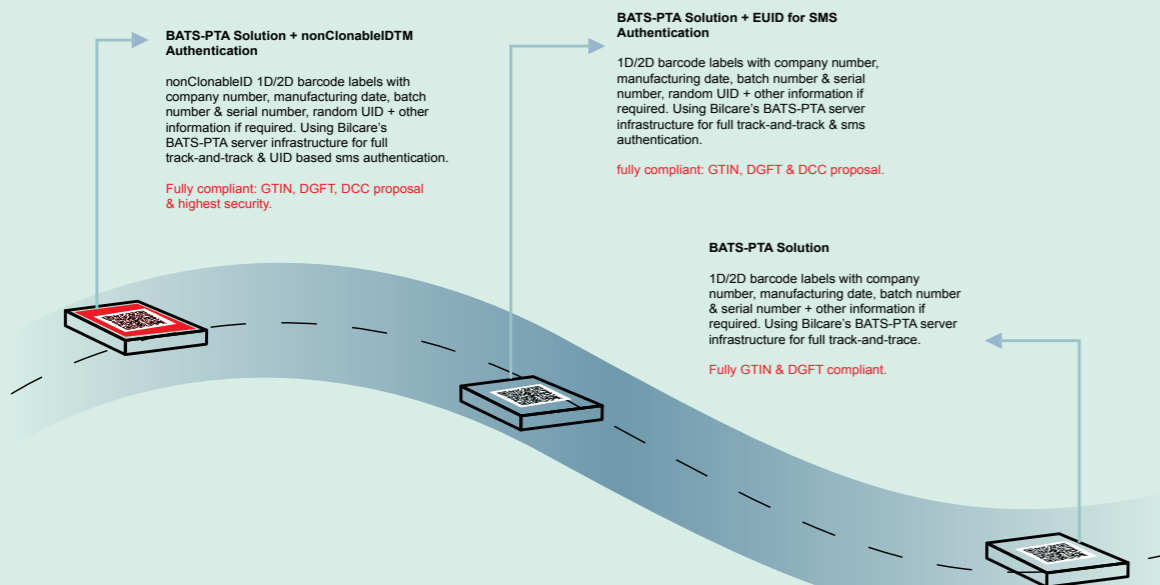


Salient Features

- Authentication technology combined with trace & trace.
- Capability to handle billions of records of serialized data and its retention as per GS1/EPCIS.
- Standardized data exchange with port authorities & importers for international trade.
- Complete accountability for integration & outcomes to all stakeholders, supports inspections & event resolution.
- End-to-end solution and service - no mixed priorities of selling only hardware or software.
- Scalable to manage any country's specific additional data requirements for barcode and e-pedigree.



Seamless transition between solutions



BUSINESS BENEFITS

