

Track & Trace

Traceable Quality System



- Serialization
- Aggregation
- Global Compliance



Track & Trace Solution

For maximum protection against drug counterfeiting along the entire pharmaceutical supply chain.

→ Vision & Mission

Utopia Optovision develops machine vision solutions for the pharmaceuticals sector for dedicated applications. Stringent quality management and innovative technology are the cornerstones of all our operations.

This translates into an ability to deliver quality products at competitive prices, one of our unique strengths. With in-depth experience in advanced Electronics, Mechanical, Optical systems design, development & manufacturing .



Utopia Optovision has the strategic and engineering capability to meet the complex needs of pharmaceuticals majors both in India and overseas.



Built on Trust & Reliability

With a focus on accuracy and consistency, we deliver reliable serialization and traceability solutions that strengthen product integrity and supply chain confidence.



Innovation with Purpose & Precision

Delivering innovative and precision-engineered solutions that empower secure, efficient, and future-ready pharmaceutical traceability.

→ Why Track & Trace matters in Pharma

Track & Trace systems are essential for strengthening pharmaceutical supply chain integrity and operational efficiency by enabling secure and transparent supply chain operations.

- Prevention of counterfeit, falsified, and substandard medicines from entering the market.
- Real-time visibility of product movement across the supply chain.
- Targeted recalls minimizing the need for full market withdrawal.
- Rapid identification of affected batches in case of quality defects
- Improved inventory accuracy and demand forecasting.

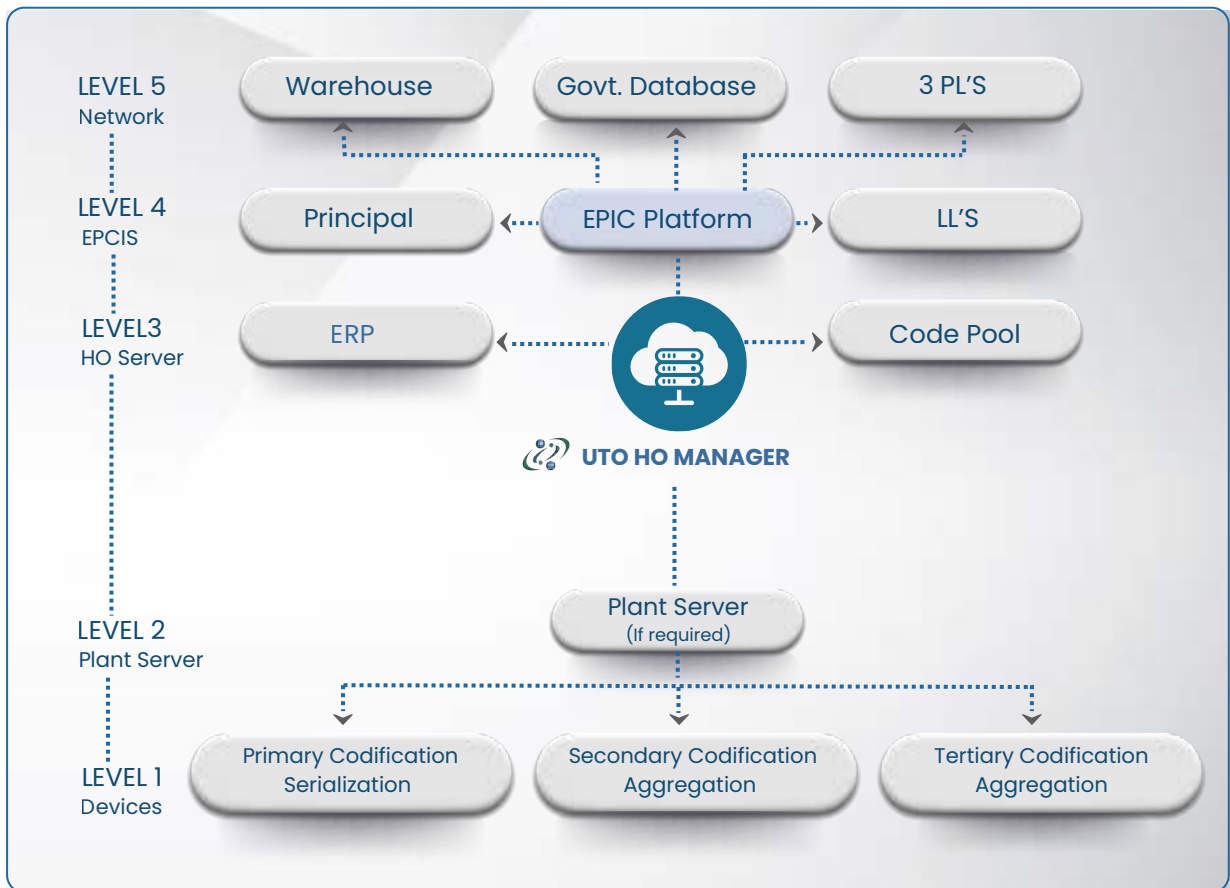


Key Advantages

- GS1 -compliant serialization & aggregation.
- End-to-end batch traceability.
- Secure data management & reporting.

➤ Utopia delivers complete Level 1 to Level 4 Track & Trace solutions tailored to customer requirements.

- L1 • Printer & Camera System L2 • Serialization & Aggregation Machine
L3 • Uto Ho Manager L4 • Third-Party



- Utopia delivers integrated Level 1 to Level 4 Track & Trace solutions for pharmaceutical Serialization and Aggregation.
- Our UTO HO Manager enables centralized data management, monitoring, and communication across connected systems.
- Seamless integration with ERP systems, EPCIS platforms, plant servers, and third-party applications.
- Supports secure data exchange and interoperability with customer-specific and regulatory platforms.

→ UTO 400 T

- Serialization & Automatic Tamper label application system on mono carton



Features :

- Speed up to 240 carton/min. (Depends on mono carton size)
- Tamper verification by using sensor.
- Tamper evident seal verification - Presence / Absence
- Tamper detection capability - Transparent / colored
- Gradation of GS1 datamatrix as per ISO 15415 guidelines.
- 21 CFR Part 11 Compliance.
- Printing and inspection of codes as per GS1 norms for various countries.

Codification



Tamper Label

→ UTO 300 T

- Automatic Tamper label application system on mono carton



Features :

- Speed up to 240 carton/min. (Depends on mono carton size)
- Tamper verification by using Sensors / Cameras.
- Tamper evident seal verification - Presence / Absence
- Tamper detection capability - Transparent / Colored
- 21 CFR Part 11 Compliance



Tamper Label

→ UTO 400

- Carton Serialization Print Inspection System



Features :

- Gradation of GS1 datamatrix as per ISO 15415 guidelines.
- Carton serialization. Speed up to 300 carton/min.
- Printing and inspection of codes as per GS1 norms for various countries.
- TIJ Printing technology system with 2 Head.
- 21 CFR Part 11 Compliance.



Codification

→ UTO 500 A

- Utopia's bulk code reading system.



Features :

- Inspection of 150 GS1 codes in a single scan.
- Four layer 2D code capturing.
- Auto-label generation after cycle completion.
- Maximum area of interest 450 mm X 500 mm.
- 21 CFR Part 11 Compliance with report generation.

Aggregation

INNER



OUTER



SHIPPER



→ **UTO 700 W**

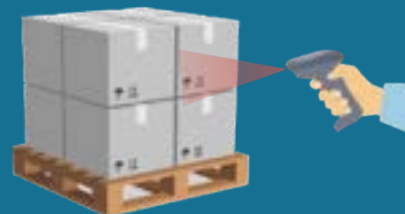
- Hand Scanner Based Aggregation System



Features :

- Warehouse application to generation of pallet labels.
- Verification of aggregated shipper label / box.
- Label Design Facility for various countries.
- Individual Scan of 1D/2D Code by Hand Scanner.
- 21 CFR Part 11 Compliance with report generation.

Aggregation



→ UTOLAB 120

- Label Application & Print Inspection System



Features :

- Suitable for Glass, Plastic, Pet, Tin containers.
- Special sensor-based system system for checking missing label on product.
- Track & Trace Print inspection as per GS1 norms.
- TIJ /TTO printer to print GS1 data on label.
- Speed up to 200 labels/ min for TIJ printer.
- Speed up to 120 labels/ min for TTO printer.



Apply Label



Label with Codification

→ **UTOPRINS 201**

- Bottle Label Serialization & Codification System



Features :

- Printing & inspection of codes as per GS1 norms for various countries.
- Provision of general (static) data printing and inspection.
- Gradation of GS1 datamatrix as per ISO 15415 guidelines.
- Synchronization with labeling machine rejection system.
- 21 CFR Part 11 Compliance with report generation.
- Integration with TIJ / TTO Printer.

Codification



→ UTOSCAN 360

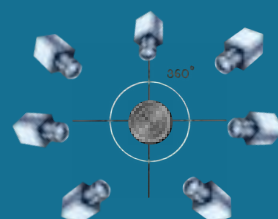
- GSI 2D Code and Track Code Association System



Features :

- Inspection of GSI 2D, product / item code & track code.
- Twin bottle gripper belts for smooth conveying of the bottle.
- Suitable for wide range of bottle sizes.
- Tool-less operation for easy changeover.
- 21 CFR Part 11 Compliance with report generation.

Codification



→ **UTO 500 A**

- Utopia's bulk code reading system UTO 500 A creates a hierarchical relationship between primary, intermediate & tertiary.



Features :

- Inspection of 150 GS1 codes in a single scan.
- Four layer 2D code capturing.
- Auto-label generation after cycle completion.
- Servo motor driven mechanized camera movement.
- Maximum area of interest 450 mm X 500 mm.
- 21 CFR Part 11 Compliance with report generation.

Codification



→ UTO 700 W

- Hand scanner Based Aggregation System



Features :

- Warehouse application to generation of Pallet label.
- Verification of aggregated shipper label / box.
- Label Design Facility for various Countries.
- Individual Scan of 1D/2D Code by Hand Scanner.
- 21 CFR Part 11 Compliance with report generation.

Aggregation



→ UTOSCAN 201 SF

- Leaflet / Booklet Inspection System



Features :

- Offline Inspection of Barcode/Pharmacode/2D Code/2D Data Matrix on folded Leaflet/Booklet.
- Speed : Upto 200 carton/min.
- Capabilty to Detect missing Code / Miss-print / Overlap Print.
- 21 CFR Part 11 Compliance with report generation.

Aggregation



Leaflet



Barcode



Pharma
Code



2D Code

→ **UTOPRINS 201 SF**

- Offline Carton Printing and Inspection System



Features :

- Offline Inspection of Barcode/Pharmacode/2D Code/2D Data Matrix on folded Leaflet/Booklet.
- Speed : Upto 200 carton/min.
- Capabilty to Detect missing Code/Miss-print/Overlap Print.
- 21 CFR Part 11 Compliance with report generation.

Aggregation



Our Strength

- In-house Design, Development & manufacturing of Electronic, Electrical, Mechanical Software & Optical systems.
- 25 + years of experience of handling Pharmaceutical Packaging lines & Industrial Automation systems for various applications.
- Capable of providing customized solutions for critical applications for strategic customers.
- More than 500 installations on 250+ lines.

• OUR CUSTOMERS



and many more.....

Thank You



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