

# OPTEL'S **END-TO-END** **TRACEABILITY** SOLUTIONS FOR THE **PHARMACEUTICAL** **INDUSTRY**

- ✓ Manufacturers
- ✓ Contract manufacturers
- ✓ Contract packagers
- ✓ Virtual manufacturers
- ✓ Repackagers
- ✓ Parallel importers
- ✓ Distribution centers
- ✓ Wholesalers
- ✓ 3PLs



# END-TO-END TRACEABILITY, THE ANSWER TO MAJOR CHALLENGES

## Safety

Safety is a huge challenge for pharmaceutical manufacturers. It covers several aspects, from **patient** and **customer safety**, to **supply chain, manufacturing** and **packaging security**.

In terms of safety, traceability provides valuable investigation tools to monitor environmental conditions along the supply chain, improve quality control, and limit returns.



## Compliance

**Falsified** and **counterfeited** drugs and medicines are a real **risk** to customers' health. As falsified medicines become more sophisticated, the risk of them reaching patients increases. They represent a serious threat to **global health** and call for a comprehensive strategy both at **national** and **international** level.

For that reason, government authorities all around the world are defining and setting up **regulations** with which pharmaceutical industry players have to comply.



## Traceability

Traceability is the capacity to **track** the movements of medications and drugs within the supply chain, from the production line up to the customer. It is the ability to **verify** and **document** their history, from manufacturing, packaging, handling, distribution, prescription and delivery to the patient.

**Serialization** and **aggregation** contribute to building **end-to-end traceability** in order to secure the **global supply chain**.



## Visibility

The **authenticity** and **visibility** provided by **traceability** solutions enable you to establish unquestionable **trust** with suppliers and customers.

For customers, your **brand** becomes a proven symbol of **quality, safety** and **authenticity**.

For suppliers, **traceability** eliminates the need to conduct full testing at every transaction point in the supply chain.



## Performance

In addition to **identifying counterfeit** products and **protecting your revenue**, traceability data can also be used to **track** and better **manage** raw materials, resources, waste, inventory, product recalls and warranty costs.

Be more efficient and **maximize performance** in every way — far **beyond regulatory compliance**.



OPTEL PROVIDES **END-TO-END TRACEABILITY** SOLUTIONS FOR A **SAFE, OPTIMIZED INTELLIGENT SUPPLY CHAIN**

# OPTEL'S SOLUTIONS FOR THE PHARMACEUTICAL INDUSTRY



## INSPECTION SOLUTIONS

As an innovative leader, OPTEL is always at the forefront of all the latest technological developments in optics, software engineering and image processing. This ongoing evolution allows us to keep offering our customers new and increasingly interesting possibilities that are in line with their needs. With significant and continuous R&D investment year after year, and more than 29 years of proven expertise, OPTEL delivers automated inspection solutions that provide greater functionality, more precision, and increased speed to ultimately help you become more efficient, day after day. OPTEL's automated inspection solutions range from printing, labelling and packaging inspection, to physical specifications, product integrity, color and presence inspection.



## TRACK & TRACE SOLUTIONS

To help ensure that companies in the pharmaceutical industry are able to comply with evolving regulations in time, OPTEL has developed a true expertise in Track & Trace solutions from ready-to-use, preconfigured serialization modules to customizable solutions.

OPTEL's Track and Trace modules and software form an ultimate solution that meets and surpasses the current serialization legislation and is also very flexible to adapt to all upcoming regulations. This versatility can be achieved, using OPTEL's latest engineering and IT technology with a proven and tested serialization system. This Track & Trace solution has an extensive list of features and partners, that can be deployed easily and quickly.



## BEYOND SERIALIZATION

With the intensification of traceability and transformative innovations enabled by technological advances such as Artificial Intelligence, Blockchain and Internet of Things devices, we now can increase the efficiency of supply chains and secure them completely.

OPTEL's data-centric systems enable you to lead this Artificial Intelligence wave and benefit from cutting-edge solutions built for efficiency, profitability and sustainability.



## OPTEL IN NUMBERS

29 years' experience in traceability solutions

3,500+ solutions deployed

850+ employees

5 locations: Canada, USA, Ireland, India, Brazil

24/7 global technical support

## OUR EXPERTISE: A TRUE DIFFERENTIATOR

Dedicated to providing quality personalized traceability systems for more than 29 years, OPTEL has become the recognized global leader in Track & Trace technology. With our proven expertise, advanced algorithms, flexible and scalable solutions and knowledge of the manufacturing process, we are in a unique position to lead you into the future of industry.

Whether you want simple regulation compliance or to bring your supply chain management to the next level, you can choose from a wide range of turnkey or adaptable solutions to help you reach your goals.

OPTEL is not just a short-term compliance provider. With an extensive, vendor-agnostic offering, we can help you evolve with your market every step of the way, whenever you're ready.

## OPTEL, YOUR EXPERT IN END-TO-END TRACEABILITY



## OPTEL, YOUR PARTNER OF CHOICE

- OPTEL is **No. 1** in Healthcare Track & Trace Solutions Worldwide.
- As an **E2E Traceability Expert**, OPTEL is the First Provider Ensuring **L1 to L5** Connectivity.
- OPTEL Will Help You Achieve **Serialization Compliance** and Beyond.



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