TRACK & TRACE
FOR SEAMLESS PRODUCT TRACEABILITY.
MACHINES
- Blister machines
- Cartoners
- Bottle lines
- End-of-line packaging machines
- Serialization unit
- Labeler
- Aggregation unit

SOFTWARE/AUTOMATION
- System software
- Tracking software
- SCADA software
- Server systems
- Line terminal
- Various interfaces

COMPONENTS
- Printing systems
- Inspection systems / cameras
- Labeler
- System components
- Consumables
- Spare parts

CONSULTATION & SERVICES
- Consultation
- Project management
- Customized solutions
- Implementation
- Validation / Qualification
- Training

TRACK & TRACE
THE PORTFOLIO
AT A GLANCE
The global marketing of medicines requires compliance with the respective national serialization regulations. Seamless traceability from production to the patient prevents the circulation of falsified products that could harm patients.

Regarding the traceability of medical products, national regulations governing optimum patient protection likewise apply, such as the FDA Medical Device Tracking Requirements. Depending on the risk class, marking alone may suffice, or traceability may also be required here.

When it comes to packaging, in some instances these regulations are combined with the specifications for pharmaceutical products. For example, uniquely marked packaging units are aggregated across all packaging levels according to the parent-child relationship principle. A scan of the aggregated pallet code, for instance, provides information on all the individually packaged products on the pallet.

No matter which specifications you need to meet, Track & Trace by Uhlmann ensures comprehensive falsification, product, and process safety. Whether integrated into your packaging machines or lines, or as a standalone unit, we form the appropriate solution from our modular portfolio. This meets your needs, as well as the regulatory requirements of today and tomorrow. Various alternatives for seamless traceability can be realized with Track & Trace. The central element of every application is a software solution for data collection, serialization, aggregation, management, transfer, and analysis.
SERIALIZATION

The basis of every Track & Trace application is the serialization of the smallest unit of sale – using unique identification marking. We offer different solutions for the printing and verification of serial numbers and machine-readable 2D codes. On the one hand, printing and inspection systems for cartons or bottles integrated into the packaging process; on the other hand, the modular Uhlmann Serialization Platform S 500 that can be integrated into the line or used flexibly. We also offer suitable solutions for the serialization of blisters. These options not only apply to new or currently operating machines and lines from our portfolio, but also to machines from other manufacturers.

AGGREGATION

The next step is the aggregation of the separate packs to larger units. This establishes the parent-child relationship along the pharmaceutical supply chain. Should tracing be necessary, this relationship principle makes it easy to identify which individual packs are in which cartons, and on which pallets.

Here again, we offer various solutions. One is the Uhlmann Aggregation Platform in a variety of configuration levels. It can be used as a standalone unit or as an extension to existing lines. Alternatively, we integrate an appropriate aggregation solution directly into the end-of-line packaging machines. These can be new or existing Uhlmann machines, or equipment of a different make.
Track & Trace by Uhlmann
Software Solution and the New Software Platform Pexcite.

Central Element: The Software Solution

Track & Trace is part of our comprehensive digital portfolio named Pexcite. In-house developed software solutions based on modular, flexible system architecture form the central element of every Track & Trace application. These allow the collection, aggregation, management, and transfer of serialization data from the machine to line management, and to site management levels. All solutions permit an analysis of the data and ensure the required data security: serial numbers and codes are only generated once and cannot get lost.

Linking to existing system landscapes as well as higher-ranking internal and external systems, such as government data bases, is likewise part of our scope and has been successfully implemented in numerous projects.

Pexcite. We Connect. You Control.

Pexcite is the new, open software platform for your individual production needs in the manufacturing and packaging of pharmaceuticals. The wide-ranging functions allow you to flexibly link your machines and equipment, regardless of the manufacturer. This enables you to systematically optimize your production processes and enhance production quality, while ensuring compliance with statutory requirements at all times.

System software architecture for the collection, aggregation, management, and transfer of serialization data.
Uhlmann is a member of the OPEN-SCS Working Group

More on Pexcite:
www.pexcite.com

More on Track & Trace:
www.track-trace-by-uhlmann.com

Uhlmann is a GS1 solution partner

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THE HEARTBEAT OF PHARMA PACKAGING

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