

TQS

TRACEABLE QUALITY SYSTEM



TRACK & TRACE BY OCS

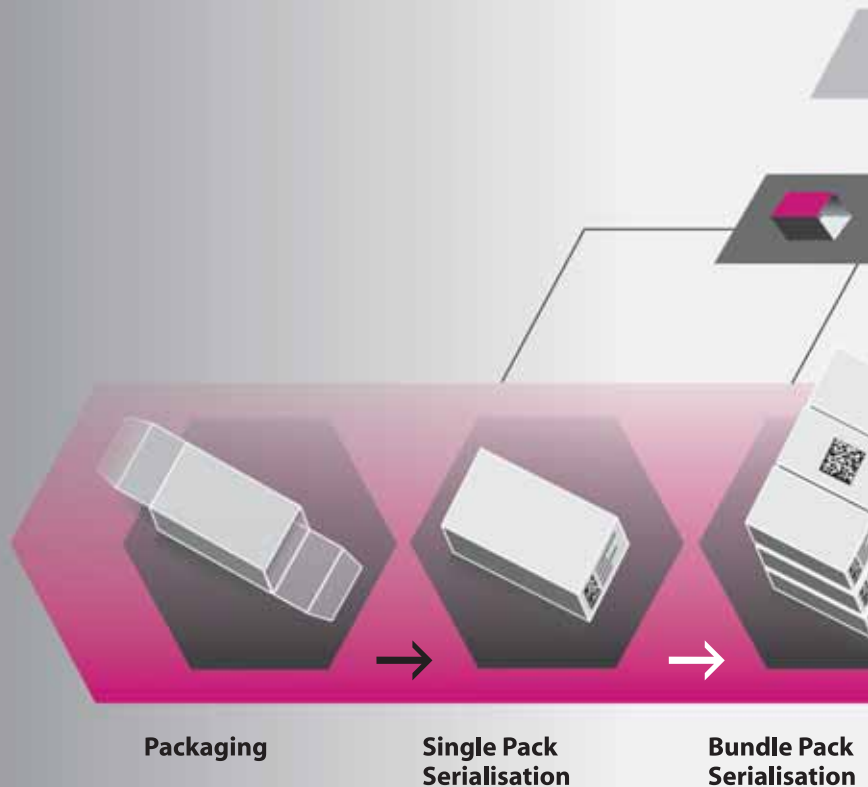
TRACK & TRACE WILL BE MADE COMPULSORY

Counterfeit products in the pharmaceutical industry pose a severe health risk and cause enormous economic damage. Is the drug needed an original or has it been forged? What path did it take through the distribution chain until it finally reached the pharmacy where it was handed out to the patient? The end customer demands perfect reliability and absolute safety of the pharmaceutical industry with regard to the products they provide.

To achieve this safety a retraceable product flow from the producer through the distribution chain and the retailer to the patient is indispensable. The solution is called Track & Trace. This system uses a machine-readable code which is worldwide unique, functions as a serial number and guarantees a seamless tracing of each individual product. In addition to the mentioned retracing this system facilitates the accounting with the health care carriers and ensures that each transaction is unique. Furthermore, it specifically tackles product piracy: Only patients who are able to verify the origin of the medicine they bought can trust it to be genuine. Dangerous forged products must not be allowed to enter the market.

Back in 2009 Turkey was the first country in the world to implement mandatory Track & Trace systems. The USA has the introduction in some of the federal states scheduled for 2015. The EU has passed regulations for the implementation by 2017.

All of them are sure: Quality, safety and trust can only be achieved by a full serialisation.

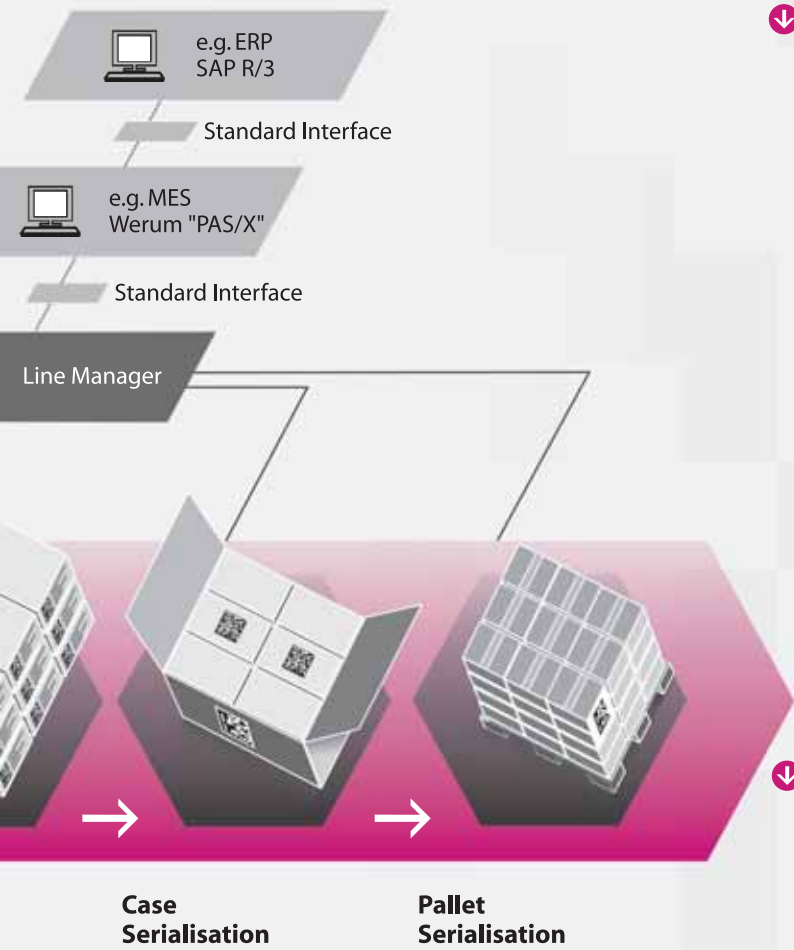


↓ The requirements have been defined. What do they mean for your process?

- Complex systems consisting of various components such as conveyors, coding devices and cameras will be integrated into your existing production line.
- At the production line and within the server infrastructure huge additional amounts of data have to be handled.
- A new production line management and consistent operating concepts have to be implemented so that the process meets the additional requirements.
- For a reliable operation standardised interfaces have to be provided. They are also needed to record the data and for the data transmission to federal authorities which provide other authorised parties, such as pharmacists and end customers, with the required information.

THE IDEAL SOLUTION IS ALREADY AVAILABLE!

TQS



↓ An argument that convinces: Three parts have turned into one!

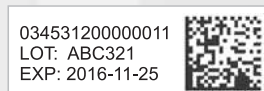
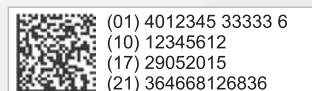
The layout editor is fully integrated into the TQS, it can be used intuitively and it generates a unique and customisable imprint. The data is then sent to the printer and an image of the imprint is transmitted to the camera. Thanks to this convenient integration the often time-consuming setup of proprietary hardware is no longer necessary. Furthermore, the camera receives a precise image of the imprint and does not have to be taught in with a print-out. The operator works with a single, fully integrated system which is controlled by one central, unified human-machine-interface. Safety and ease of use for your benefit: **Three parts have turned into one.**

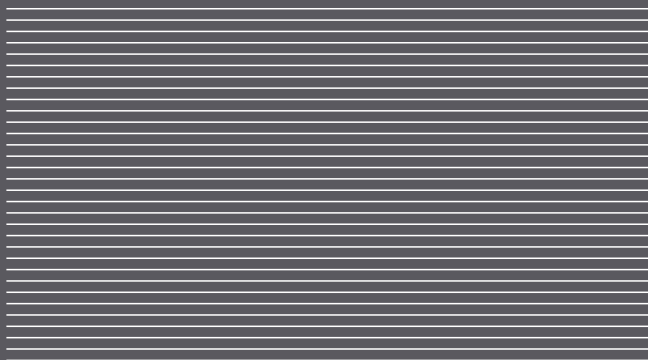
↓ Functional integration into existing IT structures

A consistent Track & Trace concept can only work if the existing IT infrastructure can provide an easy and tamper-proof way to process the generated serialisation data. Therefore, the TQS is equipped with standard interfaces to facilitate its integration and to avoid the proliferation of proprietary, isolated systems. The Line Manager of the TQS makes you completely independent. The system randomises the numbers which you can enter directly into the machine. The TQS can easily be interlinked with existing ERP systems such as SAP or Oracle and with centralised repositories such as SAP All, SAP OER, IBM WebSphere and others. The whole system is controlled by one central management module that has access to a flexible SQL data base. Additional requirements which may arise in future, such as Braille recognition or tamper evident seals, can also be integrated by this module. The TQS allows for a customer-specific integration into existing IT infrastructures using established standard interfaces. This guarantees simplicity and consistency.

↓ The unique approach: Traceable Quality System by OCS Checkweighers

We offer an intuitively usable system which treats coders as actuators and cameras as sensors. A system that combines maximum flexibility with easy operation. Our solution is the **Traceable Quality System (TQS)**. All components, the conveyor system, the coder as well as the camera are operated and controlled by one software. Other systems usually need different user interfaces for the individual components. With our innovative approach this nuisance is a thing of the past.





Close to you with our worldwide service and sales network

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