# SERIALIZATION AND PROTECTION AGAINST TAMPERING OF PHARMACEUTICAL PRODUCTS: THE CLOCK IS TICKING

**Efficient implementation of Directive 2011/62/EU (Falsified Medicines Directive or FMD)**

**SICK**
Sensor Intelligence.

In the fight against falsification or manipulation of medicinal product packaging, the European Union has defined a catalog of measures in Directive 2011/62/EU. This directive has been legally binding since February 2016. All members of the pharmaceutical logistics process chain are obliged to implement the EU directive within the next three years.
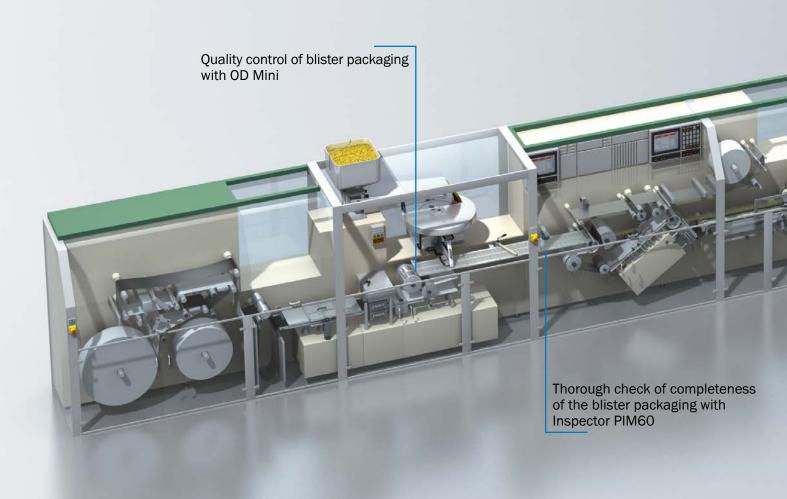
In concrete terms, this means two things: every item of packaging for prescription pharmaceuticals must have an individual serialized code that makes it globally unique. At the same time, every item of packaging for prescription pharmaceuticals must be protected against undetected, premature opening or tampering with the help of appropriate tamper evidence systems. SICK offers efficient sensor solutions for both requirements.

**www.sick.com/pharma**

# INTELLIGENT SENSOR SOLUTIONS IN THE FIGHT AGAINST COUNTERFEIT MEDICA-TIONS AND MANIPULATED PACKAGING

The right technology, a wide range of products, and extensive application know-how: this is the foundation of our sensor solutions for the pharmaceutical industry. The Glare sensor and the Lector63x image-based code reader efficiently fulfill the requirements on serialization and tamper protection.

Intelligent sensor solutions for the pharmaceutical and cosmetics industry: **www.sick.com/pharma**

Protection of the carton magazine with Safeguard Detector

Quality control of blister packaging with OD Mini

Thorough check of completeness of the blister packaging with Inspector PIM60
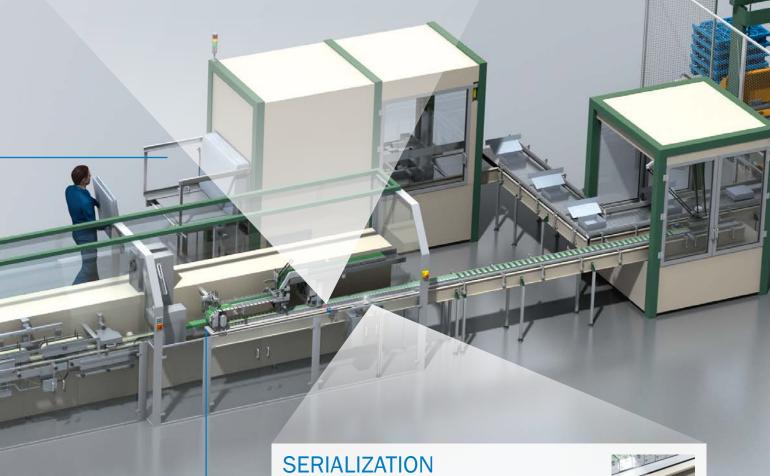
## TAMPER PROTECTION

**Glare:** detects tamper evident labels

Countless manufacturers use self-adhesive seals (tamper evident labels) for cost-effective and easily-upgradeable tamper protection. Machines attach these seals over the insert flaps of folding boxes. The Glare sensor detects the presence of the labels. At the same time, it very reliably distinguishes between clear reflections from the plastic surface of the label and diffuse reflections from the surface of the packaging material.

Inspection of the correct assignment of product content, supplemental sheet, label, and packaging with Lector620

## SERIALIZATION

**Lector63x:** examines and reads the Data Matrix code

In order to ensure end-to-end traceability, every item of packaging must be labeled with an individual Data Matrix code (serialization). The Lector63x image-based code reader inspects the legibility of the code. In addition, the Lector63x verifies the information stored in the Data Matrix code.

## Glare – At a glance

- Object detection and differentiation on the basis of surface gloss level
- Configurable in many different operating modes to meet the requirements of any application
- Integrated alignment aid
- Integrated automation functions
- Two digital push-pull outputs and one configurable input
- Sensitivity adjusts to object properties
- IO-Link provides easy data access from the PLC
- Quick and easy configuration

## Your benefits

- Quick installation via alignment mode
- Integrated key lock reduces the risk of operating errors and tampering
- Sensitivity adjustments increase the system's operational safety
- Teach-in via single teach-in button or SOPAS operating software facilitates quick and easy operation
- Reliable gloss identification regardless of color, labeling, or structure increases operational safety
- State-of-the-art detection method makes it possible to conduct inspections at lower costs than with camera solutions
- Sensor's resistance to object fluctuations increases operational safety
- Flexible sensor settings, monitoring, advanced diagnostics, and visualization thanks to IO-Link

➜ www.sick.com/Glare

For more information, simply enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples, and much more.

## Lector63x – At a glance

- Code reader with 2 megapixel sensor
- Flexible optics and filter design
- Integrated, changeable high-power lighting
- Intuitive user interface, including flexible result string with code analytics options
- Function buttons, aiming laser, beeper, and feedback indicator
- MicroSD memory card

## Your benefits

- High-resolution sensor and intelligent processing ensure outstanding reading performance, even under difficult reading conditions
- Flexible optical design and high-power illumination enable small codes to be read at high speeds or in applications with a large reading distance
- Fast, straightforward commissioning thanks to the intuitive user interface; function button for rapid device setup; integrated illumination and aiming laser
- Direct results monitoring thanks to acoustic signal and colored feedback spot on the object
- Reduced machine downtime in the event of faults on the production line thanks to straightforward cloning function using microSD memory card

➜ www.sick.com/Lector63x

For more information, simply enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples, and much more.

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