Inline Code Matcher

RIGHT PRODUCT – RIGHT PACKAGING

Quality control systems

SICK
Sensor Intelligence.

INLINE CODE MATCHER:
SO THAT WHAT IT SAYS ON THE OUTSIDE REALLY IS ON THE INSIDE

Even top quality products will soon be rejected if something goes wrong during the packaging process. The wrong film or the wrong lid might have been used, for example, or the wrong product might have been placed inside the secondary packaging. Production lines for the manufacture of diverse products which are packaged inside containers comprising multiple parts are particularly susceptible to such mishaps. SICK's Inline Code Matcher quality control system ensures that the right lid finds it way to every jar. It also makes sure that customers know exactly what to expect inside their boxes of chocolates. Quality and sustainability are maximized and production is made as transparent as possible.

In the food industry, sweets and dairy products are most at risk of being packaged incorrectly. It is much more than simply a matter of taste to find strawberry ice cream inside a tub purporting to contain vanilla. If the fault is detected during the quality inspection, the machine has to be reset and the faulty goods taken out of circulation. However, if the incorrectly packaged goods reach the retailer, customer complaints and product recalls are bound to follow. In other sectors, the consequences can be even more grave: if the safety notes supplied with laundry detergents and cleaning agents are not adequate, misuse can lead to very serious problems. Pharmaceutical products in the wrong boxes can even pose risks to the health of end users.

If you are committed to quality, you cannot cut corners in the packaging process
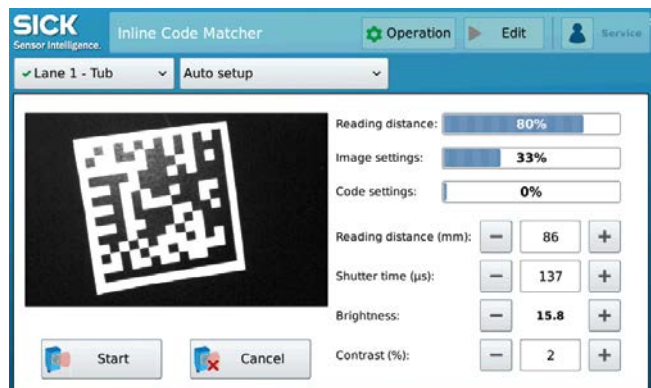
SICK's Inline Code Matcher quality control system retains an overview of the packaging process. Multiple configurable 2D vision sensors from the Lector6xx product family can be relied upon to read 1D and 2D codes on packages, thereby ensuring that the right product goes into the right package. For packaging inside containers comprising multiple parts (tubs or jars with lids, for example) or portion sizes packaged individually inside secondary packaging. Be it popsicles, chocolates, or dishwasher tabs, the Inline Code Matcher makes sure that what is inside is what is written on the outside.

A stand-alone solution based on a modular design, the system is ideal for retrofitting existing machines on production lines. Up to eight Lector6xx 2D vision sensors monitor up to four lines simultaneously – no more significant intervention into the machine controller is necessary. The associated Sensor Integration Unit (SIU) with custom software visualizes the latest process data along with quality features and long-term statistics. Error patterns are saved. The 7-inch touchscreen with intuitive user interface requires no training to operate.

The Inline Code Matcher combines advanced technology with ease of operation. Auto-Setup enables the sensors to be put into operation quickly. Products can be changed over very easily either during live operation on the basis of an example product or manually with a hand-held scanner.
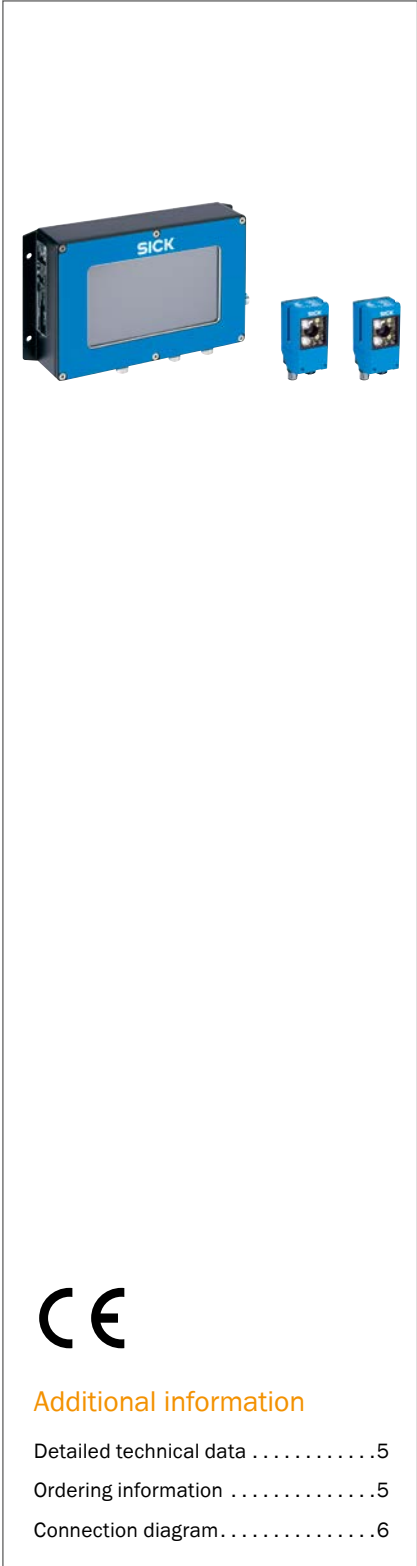

Quality control during the packaging process: The Inline Code Matcher ensures that the right product is in the right packaging.

The software for the Sensor Integration Unit (SIU) can be operated using the 7-inch touchscreen, without the need for training.

RIGHT PRODUCT – RIGHT PACKAGING

Product description

The Inline Code Matcher quality control system ensures that the right packaging is used for the right product by reading a code on the packaging. As an easy-to-integrate stand-alone solution, the system is especially suited for retrofitting into existing plants. The modular structure with multiple Lector6xx code readers opens up a wide range of applications especially in multi-track plants. Customizations are possible upon request.

At a glance

- Code comparison (1D/2D) during the production process
- Intuitive operation via HMI with touch display
- Easy-to-integrate stand-alone solution
- Statistic display and display of the last fault patterns
- Multi-track plants supported
- User-friendly batch change on the fly or with a hand-held scanner

Your benefits

- Reliable batch assignment for increased food safety – the right product in the right packaging
- Low overall costs thanks to simple installation and operation
- Easy retrofitting of existing plants thanks to stand-alone solution
- Product changes during the process for a high level of flexibility and short set-up times
- Maximum system throughput thanks to reliable code reading
- Process control through the display of crucial quality parameters

C E

Additional information

➜ **www.sick.com/Inline_Code_Matcher**

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.

Detailed technical data

The exact device specifications and performance data of the product may deviate from the information provided here, and depend on the application in which the product is being used and the relevant customer specifications.

Inline Code Matcher

Performance

1D code types	GS1-128 / EAN 128 UPC / GTIN / EAN Interleaved 2 of 5 GS1 DataBar Code 39 Code 128 Codabar Code 32 Code 93
2D code types	Data Matrix ECC200 GS1 Data-Matrix PDF417 PDF417 Truncated QR code
Number of codes per scan	1
Number of codes per reading interval	1
Number of objects per second	4, Per conveyor

Interfaces

Ethernet	✔
USB	✔
Operator interface	Touch display, 7 inch, 800 x 480
Memory card	4 GB

Mechanics/electronics

Housing dimensions (W x D x H)	254.2 mm x 147.7 mm x 56 mm
Enclosure rating	IP 65
Protection class	III
Supply voltage	24 V
Housing color	Black
Housing material	Aluminum

Ambient data

|	
Ambient temperature operation	0 °C ... +50 °C
Ambient storage temperature	−40 °C ... +75 °C

Ordering information

Type	Part no.
Inline Code Matcher	On request

Connection diagram
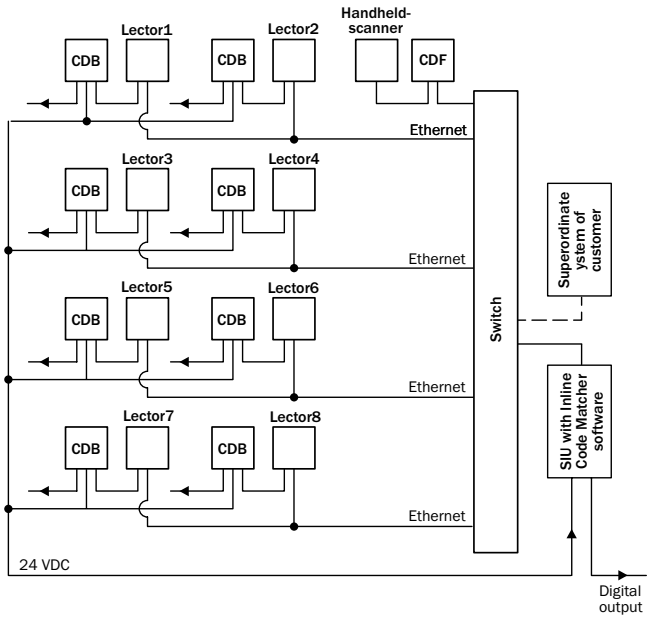
REGISTER AT WWW.SICK.COM TODAY AND ENJOY ALL THE BENEFITS

- ☑ Select products, accessories, documentation and software quickly and easily.
- ☑ Create, save and share personalized wish lists.
- ☑ View the net price and date of delivery for every product.
- ☑ Requests for quotation, ordering and delivery tracking made easy.
- ☑ Overview of all quotations and orders.
- ☑ Direct ordering: submit even very complex orders in moments.
- ☑ View the status of quotations and orders at any time. Receive e-mail notifications of status changes.
- ☑ Easily repeat previous orders.
- ☑ Conveniently export quotations and orders to work with your systems.
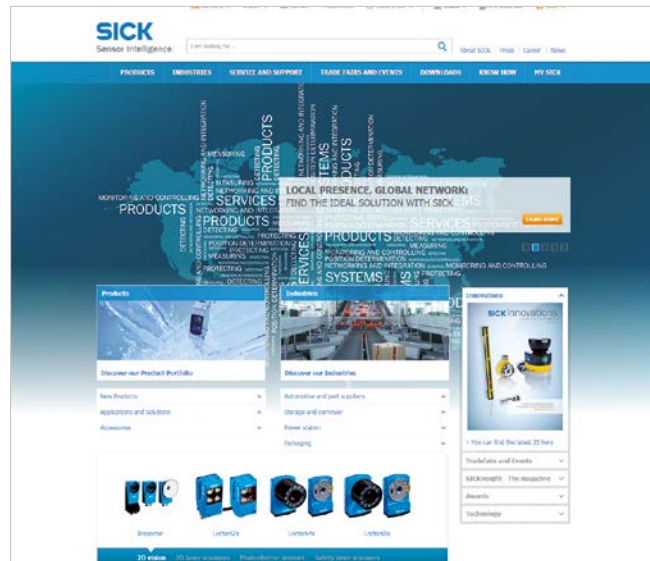
SERVICES FOR MACHINES AND SYSTEMS: SICK LifeTime Services

Our comprehensive and versatile LifeTime Services are the perfect addition to the comprehensive range of products from SICK. The services range from product-independent consulting to traditional product services.

Consulting and design
Safe and professional

Product and system support
Reliable, fast and on-site

Verification and optimization
Safe and regularly inspected

Upgrade and retrofits
Easy, safe and economical

Training and education
Practical, focused and professional

SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 7,400 employees and over 50 subsidiaries and equity investments as well as numerous agencies worldwide, we are always close to our customers. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in various industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services round out our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

Worldwide presence:

Australia, Austria, Belgium, Brazil, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, India, Israel, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Norway, Poland, Romania, Russia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Arab Emirates, USA, Vietnam.

Detailed addresses and further locations ➜ **www.sick.com**

SICK
Sensor Intelligence.