SICK Corporate Overview

SICK
Sensor Intelligence.

Global Technology Leader

SICK is a leading manufacturer of sensors, safety systems, machine vision, encoders and automatic identification solutions for industrial applications. Founded in Germany in 1946, SICK has more than 50 subsidiaries and sales offices throughout the world. The North American subsidiary, SICK, Inc., was established in 1976 and is headquartered in Minneapolis, MN. Leveraging a history of innovation, SICK is dedicated to designing and manufacturing cost-effective products to achieve a high level of precision, reliability and versatility.

SICK is also dedicated to providing reliable service and support by offering the industry's broadest mix of service options developed around customer needs. Service programs are executed by SICK's own industry experts to ensure maximum performance and safety over the lifetime of your machine or line. From offering quick product repairs to ensuring short delivery times, SICK's knowledgeable staff is available during every phase of a product's life cycle. In addition, SICK offers a wide range of free software and downloadable literature and manuals.

Our superior technological expertise, broad product line, and vast application experience enable us to continually lead the industry and find new and better ways to help our customers achieve their goals.

Industrial Sensors

- Capacitive Sensors
- Color, Contrast, and Luminescence Sensors
- Conveyor Sensors
- Distance Measurement Sensors
- Inductive Sensors
- Magnetic Cylinder and Proximity Sensors
- Automation Light Grids
- Optical Displacement Sensors
- Photoelectric Sensors
- Ultrasonic Sensors
- Fork/Slot Sensors
- Fiber-optic Sensors

Safety Systems

- Electromechanical Safety Switches
- Non-contact Safety Switches
- Safety Camera Systems
- Safety Laser Scanners
- Safety Light Curtains
- Multi Light Beam Safety Devices
- Single-beam Photoelectric Safety Switches
- Safety Relays and Safety Modular Controllers
- Safety Gateways

Factory and Logistics Automation

Machine Vision
- Positioning Vision Sensors
- Inspection Vision Sensors
- Color Vision Sensors
- OCR Vision Sensors
- 2D and 3D Smart Cameras
- High-speed 3D Cameras
- Bin Picking Solutions

Automatic Identification Solutions
- Bar Code Scanners
- Fixed Position 2D Imagers
- Hand-held Scanners
- Laser Measurement Systems
- Omni Directional Systems
- Dimensioning Systems (weighing, scanning)
- Luggage Identification Systems
- High-end Camera Tunnels
- RFID
- Volume Measurement Systems

Encoders
- Programmable Incremental and Absolute Encoders
- Ethernet Absolute Encoders
- DeviceNet Absolute Encoders
- CANopen Absolute Encoders
- Profibus Absolute Encoders
- Wiredraw and Magnetic Linear Encoders
- Motor Feedback (Hiperface and Hiperface DSL) Systems
- Safety-rated Solutions
- Encoder Cables and Accessories

Level and Pressure Measurement
- Pressure Switches and Transmitters
- Hygienic Process Connections
- Hydrostatic Measurement
- Ultrasonic and Radar/Microwave Fill Level Measurement
- Vibrating Tuning Forks and Mono-probe Level Switches
- Optical Level Switches

Solutions from SICK solve a wide range of factory and logistics automation applications in many industries.

Automotive

- Access, area, perimeter and point-of-operation safeguarding
- Error proofing
- Non-contact collision avoidance
- 1D and 2D part identification
- Robot positioning and control
- Track and trace

Consumer Goods

- Liquid level monitoring in tank
- Quality control of capping
- Flexible print mark detection
- Entry/exit in palletizing
- Measurement of conveyor speeds

Food & Beverage

- Food presence detection in harsh environments (IP 69K)
- Transparent bottle detection
- Detecting label placement, position
- Date code verification on packaging
- Verifying bar codes after printing
- Entry/exit in palletizing

Machine Tool

- Non-contact area, perimeter and point-of-operation safeguarding
- Leading edge detection
- Part presence
- Liquid level sensing

Material Handling

- Industrial vehicle automation
- AS/RS stacker crane positioning
- Entry/exit safeguarding
- Non-contact collision avoidance
- Pallet identification and positioning
- Track and identify cases and totes

Industrial Vehicles

- Safety-rated personnel detection in path of fork truck or AGV
- Contour or fixed path navigation
- Load detection and identification
- Non-contact collision avoidance

Packaging

- Quality control of capping
- Flexible print mark detection
- Verifying completeness of bundle before wrapping
- Verifying bar codes after printing
- Entry/exit in palletizing

Parcel & Postal

- Doubles detection
- Legal for trade dimensioning
- Sortation
- Tray/tote identification

Pharmaceutical

- Date code verification on blister packs
- Detecting carton presence, position
- Reading and verifying 2D serialization codes
- Safe monitoring of machine doors
- Entry/exit in stretch wrapping

Electronic & Solar

- Reliable sensing and position of shiny wafers
- Motorfeedback solutions for wafer handling robots
- Small part detection in wet or dry environments

Ports & Harbors

- Accurate vehicle and container positioning
- Non-contact collision avoidance

Traffic and Transportation

- Vehicle separation and height detection
- Vehicle profiling and camera triggering for open-road tolling

Robotics

- 2D and 3D inspection and quality control
- Non-contact area, perimeter and point-of-operation safeguarding
- Object detection and identification
- Robot positioning and control
- Safe networking

Warehouse & Distribution Centers

- Identify and track conveyed items
- Dimensioning and side-by-side detection
- Multi-item and empty tray detection
- Safeguard automated areas
- Inspect item and bar code conditions
- Logistics automation process analytics

Airports

- Originating bag identification
- Bag drop-off solutions
- Recheck bag scanning
- Inbound bag reconciliation
- Bagging dimensioning systems
- RFID and hybrid RFID/bar code systems

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