



## microScan3 Core – PROFINET

THE NEW GENERATION OF SAFETY LASER SCANNERS

Safety laser scanner

**SICK**  
Sensor Intelligence.

## microScan3: One impressive product, leaves a lasting impression



The innovative safeHDDM® scanning technology sets new standards for safety laser scanners. By combining a compact design and a wide scanning range, it ensures that the microScan3 retains its field of view even in challenging ambient conditions.



20 years of experience with safety laser scanners in harsh industrial day-to-day work has been incorporated into the development of the microScan3. It has a high load capability and is characterized by its durability.

### + Reliable during operation



The safe network integration of the microScan3 with PROFIsafe over PROFINET is quick and easy. This enables safe communication in addition to centralized configuration and diagnostics.

The microScan3 uses standardized connectivity and the device is easy to replace, saving not only on time but also helping to keep costs low.

### + Safe network integration and high machine availability



### + Durable for high productivity



Using Safety Designer software, the microScan3 can be intuitively configured and is convenient to commission. The multi-colored display clearly indicates the operational status of the laser scanner. Pushbuttons can be used to access details and additional information, e.g., on the checksum or an interruption in the protective field in easy to read text.

### + Quick, safe configuration and commissioning



# Seamlessly safe network integration with PROIsafe over PROFINET

## Excellent productivity, low purchase costs

- Compatibility with current PROFINET controls enables time-saving and safety-compliant integration into existing systems and reduces costs, since no additional control is needed
- Convenient configuration via an access point in the network
- Low maintenance requirements thanks to status diagnosis, either centrally via the control or remotely on the device display

- Cost saving with Sim-4-Safety: Through 4 safe, independent shutdown signals, a microScan3 Core – PROFINET does the job of 4 conventional I/O scanners
- Fast cabling thanks to standardized connectivity



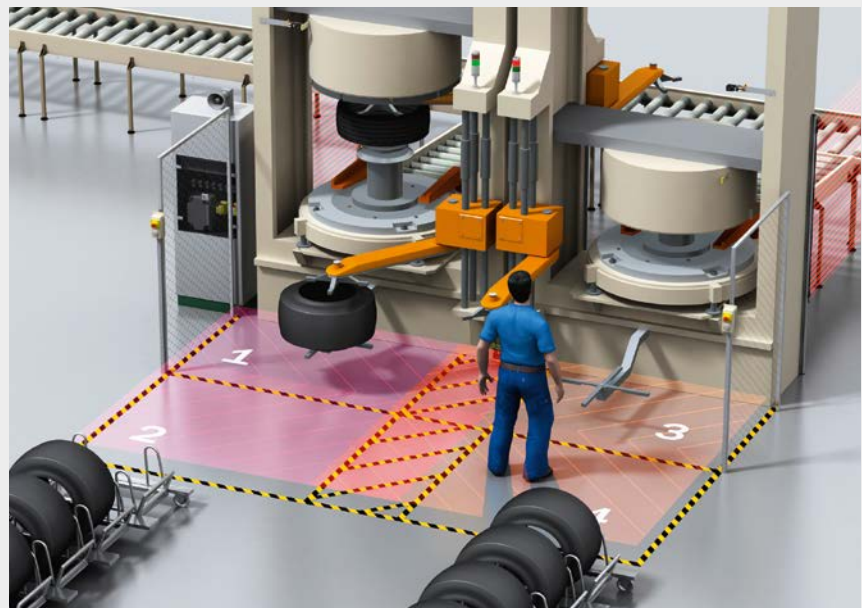
## Flexible and application-oriented

- Adaptable to a wide range of situations via 8 freely configurable fields
- Individual integration into fabric layout thanks to the integrated switch for star, line, and ring topologies (Device Level Ring)

## Fields of Application

In conjunction with a safe PROFINET control, the microScan3 Core – PROFINET offers protection in a wide range of applications:

- Horizontal hazardous area protection at loading and unloading stations in addition to multi-sided machine safeguarding
- Vertical access protection and hazardous point protection at machines and machine gates
- Protection even under rough ambient conditions
- Sim-4-Safety: simultaneous protection of several hazardous areas



Sim-4-Safety: 4 simultaneous protective fields for protecting a tire curing machine

## Ordering information

### Scope of delivery:

Safety laser scanner with system plug and cover plate, safety notes, and mounting instructions

### For download:

- Operating instructions → [www.sick.com/microScan3\\_Core](http://www.sick.com/microScan3_Core)
- Safety Designer (configuration and diagnostic software) → [www.sick.com/safety\\_designer](http://www.sick.com/safety_designer)

Integration in the control	Protective field range	Type	Part no.
PROFINET	4 m	MICS3-ACAZ40PZ1P01	1083012
	5.5 m	MICS3-ACAZ55PZ1P01	1083010

For more information and accessories required for commissioning, visit → [www.sick.com/microScan3\\_Core](http://www.sick.com/microScan3_Core)

## SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 8,000 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](http://www.sick.com)