



ROTOSCAN RS4

Safety Laser Scanner for personal protection and measurement tasks



605046 - 09/05 Subject to change without prior notice



**Flexible all-round talents
for ensuring safety at work**

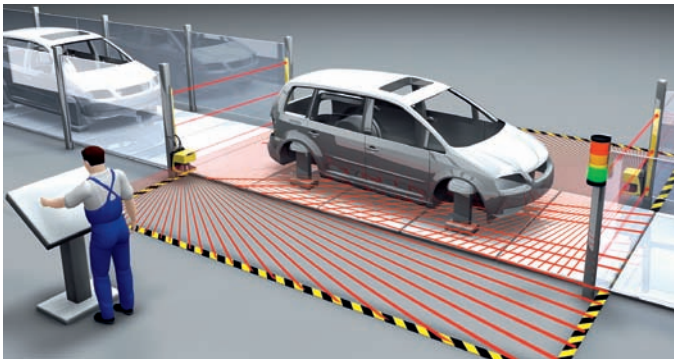
- Versatile use
- Customized configuration
- Economical consumption



For precise adjustment to numerous applications – versatile in use!

Safeguarding danger areas, danger points and accesses: Effective and versatile use of ROTOSCAN RS4 safety laser scanners is possible in every area of personal protection. With its switchover zone pairs, the combination of detection and warning zones and the freely configurable and individual structure of these zones, the RS4 can be universally adapted to your systems and equipment.

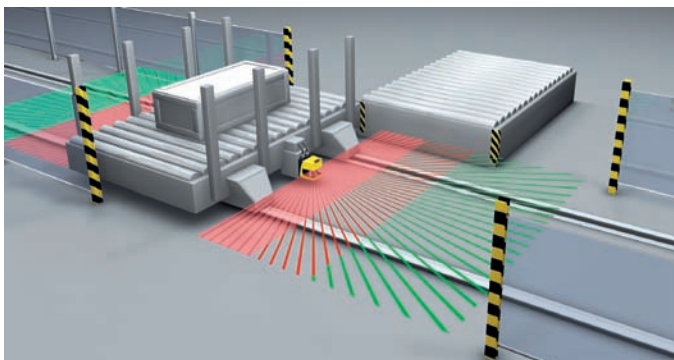
Stationary and mobile systems can be optimally monitored using the numerous configurable operating parameters and therefore guarantee reliable safety at work in every situation. The ROTOSCAN RS4 also performs a number of other measuring tasks for controlling your production or conveyor processes.



Safeguarding danger areas on conveyor belts: Individually tailored detection zones adjusted to the work area for optimum production process workflows



Danger area guarding at stationary machinery: Effective use of the detection zone/warning zone combination for people and machine safety



Safeguarding danger areas on transfer trolleys: Changeovers of status and speed-dependent zone pairs for rapidly adjusting material transport

ROTOSCAN RS4 Safety Laser Scanner:

Rising competitive pressure and ever-increasingly shorter production cycles require efficient, but also flexible and quickly convertible production systems. The same requirements are made on the safety devices with which you must guarantee the legally required protection of people in the workplace.

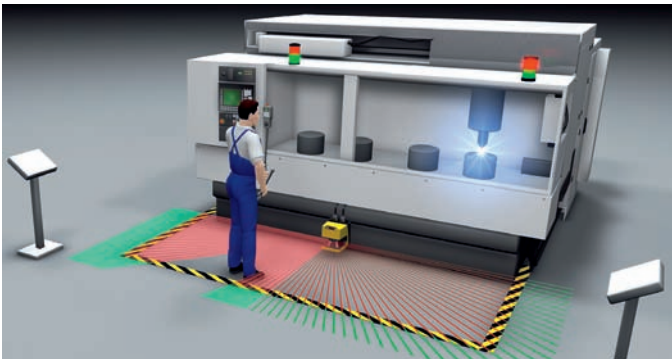
The ROTOSCAN RS4-4 and RS4-4E Safety Laser Scanners are therefore the ideal solution, because they offer flexible protection in the workplace and they can be individually adapted to your requirements and easily integrated into your production process. Genuine multi-talents!



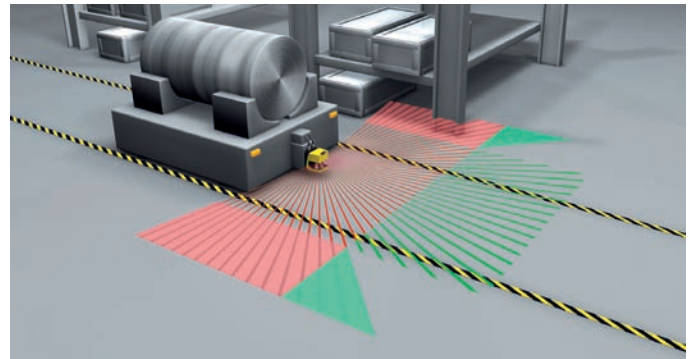
Ensuring safety for the most diverse processes – individually configurable!

Looking for safety that you won't trip over? The ROTOSCAN RS4 Safety Laser Scanner can be seamlessly integrated into your process. Any type of detection zone contour, variable resolution and individual configuration of all operating parameters allow the RS4 to become your flexible safety device, perfectly coordinated with your applications.

Using PC configuration software with graphic support and desktop, you adapt the form of the zone contours to the on-site conditions and required safety distances. This allows various protected areas to be set up for a production process, which are synchronously activated with the workflow.



Danger areas guarding at stationary machinery:
Changeover of process-dependent detection zone/warning zone combinations for continuous production process



Safeguarding danger areas on automatic guided vehicles: Changeover of transport path-dependent zone pairs for minimizing the space requirement of the AGV

Flexible solutions for the safety at work and the

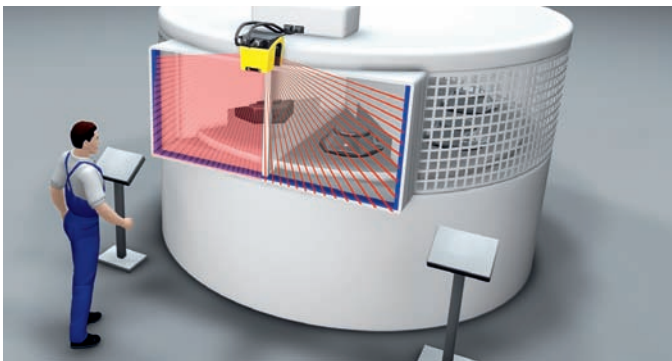
- **Detection zone/warning zone configurations of any kind**
Combination of detection zone with advance warning zone.
Individual configuration and independent switching outputs.
Every shape or structure and various distances freely programmable.
- **Zone changeover during the operation**
Changeover between process-optimized detection zones and warning zones synchronously to the production process.



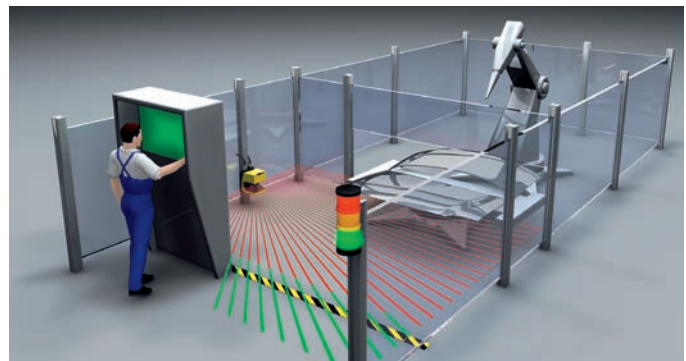
For an economical infrastructure – a cost-effective alternative!

Space, power supply or even flexibility problems: A ROTOSCAN RS4 Safety Laser Scanner reliably detects body, leg, arm and hand. In diverse, wide-ranging applications, with just one single RS4 you can monitor both complex and alternating safety areas, with flexibility and absolutely no gaps.

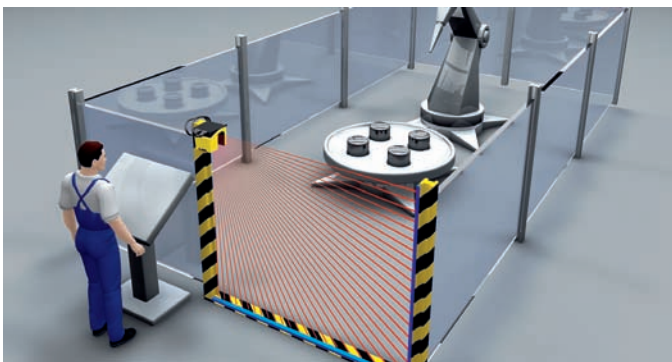
How you mount the ROTOSCAN RS4 is not important. Working from its position, the laser scanner safeguards your systems and machinery over a wide-ranging and complex area. Whether stationary or mobile, this lightweight and efficient device offers a thrifty alternative in many respects.



Safeguarding danger points at circular cycle tables: Space-saving and flexible configuration for efficient cycle times



Danger area guarding in expansive machinery systems: A laser scanner for safety with no blind spots



Access guarding at processing and handling centers: Simple setup – even for complex structures

protection of your business

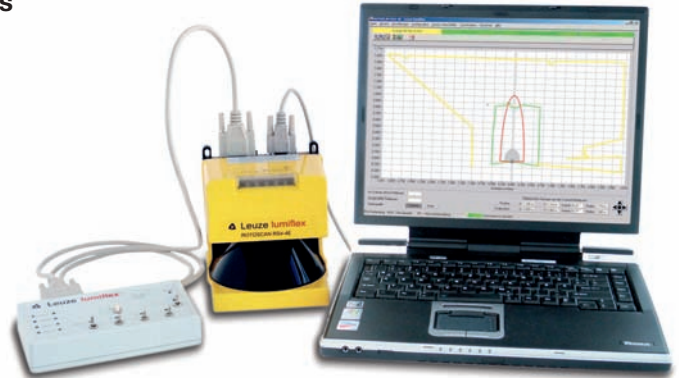
- **Easy to use software**
Individual adjustment to your applications; rapidly and with no difficulty using a PC and RS4soft, the easy-to-use configuration software.
- **Easy to install**
Little installation effort; ideal for use on mobile and stationary applications.
- **Compact design and economical operation**
Small dimensions and low power consumption.



ROTOSCAN RS4 Safety Laser Scanner: Tailor-made to your requirements

Configured for new tasks with just a few mouse clicks

Behind the flexible application options of the ROTOSCAN RS4 Safety Laser Scanner is an intelligent software with a high degree of ease of use. All operating parameters and features of the laser scanner are controlled via RS4soft. Self-explanatory dialogs allow you to adjust the RS4 configurations to your special requirements and on-site conditions easily.



- User guidance per wizard
- Clear menu structure for setting individual configurations
- Modification of existing zones with a few simple clicks
- Simple definition of the zone pair changeover sequence per matrix
- Flexible definition of scanner operating and start-up behavior
- Automatic display optimization of the measured contour
- Runs under Microsoft Windows™ NT, 2000 and XP

► Download

For more information and detailed data on Safety Laser Scanners and RS4soft:

www.leuze.com/rotoscan

► ROTOSCAN RS4 brief profile

- **Certified according to recent international safety standards**
Type 3 in accordance with EN IEC 61496-1 and 3
SIL 2 in accordance with IEC 61508
- **Safeguarding danger areas**
50 mm and 70 mm resolution
- **Vertical danger point and access guarding**
with variable resolution from 30 mm to 150 mm using the ROTOSCAN RS4-4E
- **Four zone pairs, detection zone and warning zone, changeover between pairs during running operation**
4 m detection range with 70 mm resolution
Monitoring area/scanning angle: 190°
- **Open data interface**
RS232 and RS422 with variable data rates for complex measuring and control tasks
- **AS-i Safety and PROFI-safe Laser Scanners**
BUS technology for simple integration into your production systems

Safety Laser Scanners from Leuze lumiflex

ROTOSCAN RS4-4

for safeguarding danger areas

ROTOSCAN RS4-4E

the real universal multi-talent

Both devices are available with integrated AS-i Safety and PROFI-safe BUS technology.

► Is your application “ready” for a laser scanner?

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