

FREQUENTLY ASKED QUESTIONS

Who is the SR-1 designed for?

SR-1 is designed for automation teams seeking to eliminate traditional safety barriers without compromising protection. Whether you're working with industrial robots, collaborative robots, or mobile robots (AMRs/AGVs), the SR-1 delivers certified safety and total human detection coverage—even in complex, dynamic environments.

What safety standards does the SR-1 adhere to?

The SR-1 is developed in accordance with the ISO 13849-1 Performance Level d (PLd). This ensures compliance with global safety requirements for industrial automation and robotic systems, giving your team confidence in both regulatory adherence and practical risk reduction.

How does the SR-1 enhance workplace safety?

Unlike legacy safety systems like light curtains or area scanners, SR-1 uses proprietary 3D sensing and advanced algorithms to create a complete protective field around work zones. It detects humans in near real time, minimizes false stops, and allows for maximum operational speed—empowering higher productivity without sacrificing safety.

Can the SR-1 be seamlessly integrated into existing setups?

Yes. The SR-1 is engineered for easy retrofitting or integration into both new and legacy automation cells. Its flexible architecture supports various robot types, mobile platforms, and multi-zone configurations, allowing you to modernize safety without extensive re-engineering.

What benefits does the SR-1 offer in terms of efficiency?

The SR-1 increases productivity by eliminating the need for restrictive safety fencing and minimizing unnecessary system stops. Its compact hardware, fast response times, and precision detection reduce downtime and maximize floor space—all while providing peace of mind that your team is fully protected.

How does the SR-1 support flexible scaling?

A single SR-1 system supports up to eight sensors or multiple systems connected via a simple daisy-chain configuration, allowing you to expand coverage as your cell grows or as new equipment is added. This modularity saves engineering hours and reduces the total cost of ownership as your operations evolve.

How does the SR-1 streamline work cell planning?

The SR-1's user interface and sensor network simplify layout design, enabling faster deployment and easier adjustments over time. Its intelligent zoning and near real-time monitoring reduce the complexity typically associated with safeguarding collaborative and dynamic robotic applications.

Why should I choose the SR-1 for my business?

The SR-1 is more than a safety system—it's a strategic enabler of next-generation automation. By providing total human detection, eliminating physical barriers, and maintaining productivity, it helps forward-thinking businesses achieve truly flexible, efficient, and safe operations.

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SAFETY IN
A NEW DIMENSION