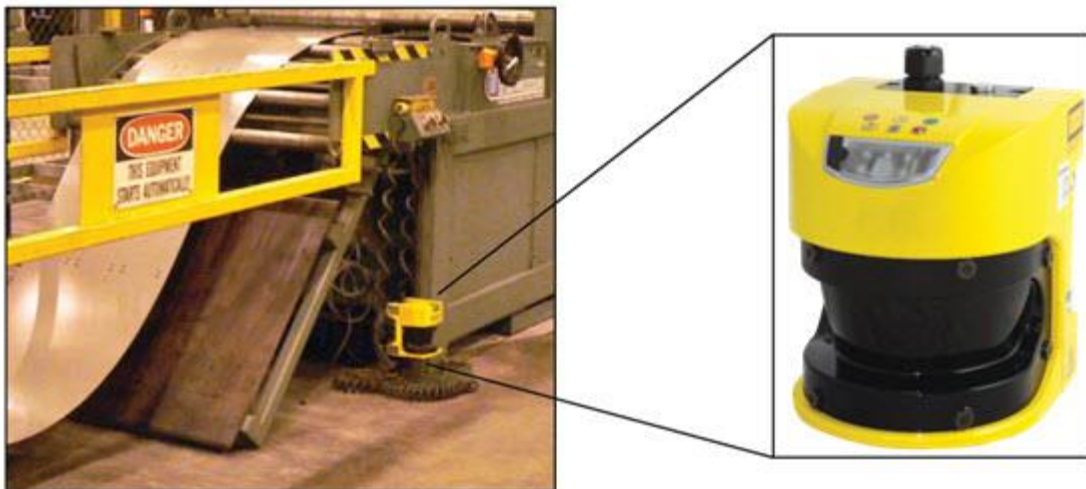


S3000 Safety Laser Scanner

The S3000 safety laser scanner is a safeguarding device that meets industry OSHA, ANSI, UL, IEC, and EN safety standards. Its use is for difficult to guard category 3 applications that may cause injury but will not result in death, cause amputation, or other catastrophic injury. It is designed for indoor hazardous area and machinery protection, access protection, guided vehicle protection, robot stations, and irregular shaped areas. The safety laser scanner is an optical sensor that scans its surroundings in two dimensions using infrared laser beams. It sends out very short pulses of light and measures the time it takes to reflect back (time of flight measurement).

Up to eight (8) programmable warning fields and protective fields are available, depending on which scanner model is chosen. Each warning field has a non-safety output that can be interfaced to a light, PLC, display, etc., to warn of impending encroachment of a protective field. Any interruption to a protective field will cause the OSSDs to drop and initiate a stop signal to the machine control system (machine primary control elements–MPCE).

The programmable feature of the scanner eliminates the need to reprogram the scanner every time something changes within the field. For example, if something is regularly moved in and out of a field, then multiple fields can be programmed to accommodate the changes. A static input allows for a selector switch or PLC to be used to change the field sets as needed.



Safety laser scanner mounted on a coil processing line

Standard, advanced, and professional models are available.