

SEPTEMBER 2018

SAFETYZONE MAGAZINE

SZM COMPANY PROFILE:

Calibration
Technologies
Inc.- Page 1



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- ✓ Every sensor passes rigorous testing and includes a 2-year warranty.
- ✓ Same day shipping on all products.



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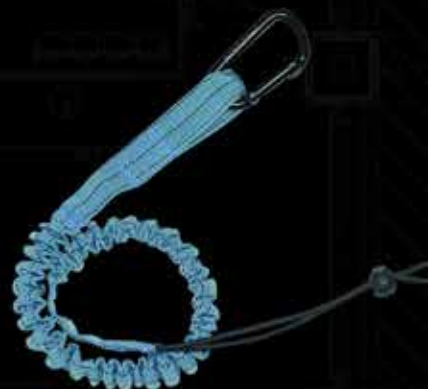
Stainless Steel Island Canopy Hoods are designed to collect and exhaust corrosive vapors, soldering operations, heat, steam and odors when mounted over areas with water baths, hot plates or portable equipment. Manufactured of Stainless Steel, Island canopy hoods are lightweight and can be suspended from the ceiling over island locations using steel pipes. The canopy fume hood's smooth surfaces provide superior chemical, corrosion and heat resistance. Optional side panels prevent cross drafts and further improve airflow while providing a way to contain chemical spills. Stainless steel canopy hoods are available in custom sizes including 168" wide X 60" deep, and are available with optional baffles.

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Revised Ambient Air Monitoring Quality Assurance Requirements

ABSTRACT

The revised air monitoring quality assurance requirements are EPA's first comprehensive changes to the air monitoring rules since 2006. These changes formalize many changes that had been informally adopted by Agency memorandum and guidance documents. Many of the changes were driven by improved monitoring technology—such as continuous particulate matter analyzers—that were not commonly available at the time of the previous update.

The revised rules also revert to the pre-2006 structure whereby state and federal monitoring program requirements are set out in Appendix A, with industrial PSD monitoring requirements specified in Appendix B. EPA provides a summary of the changes at the following URL:

https://www.epa.gov/ttnambt1/files/ambient/pri25/Summary_of_Appendix_A_Changes_4203_25_2016.pdf

ARTICLE

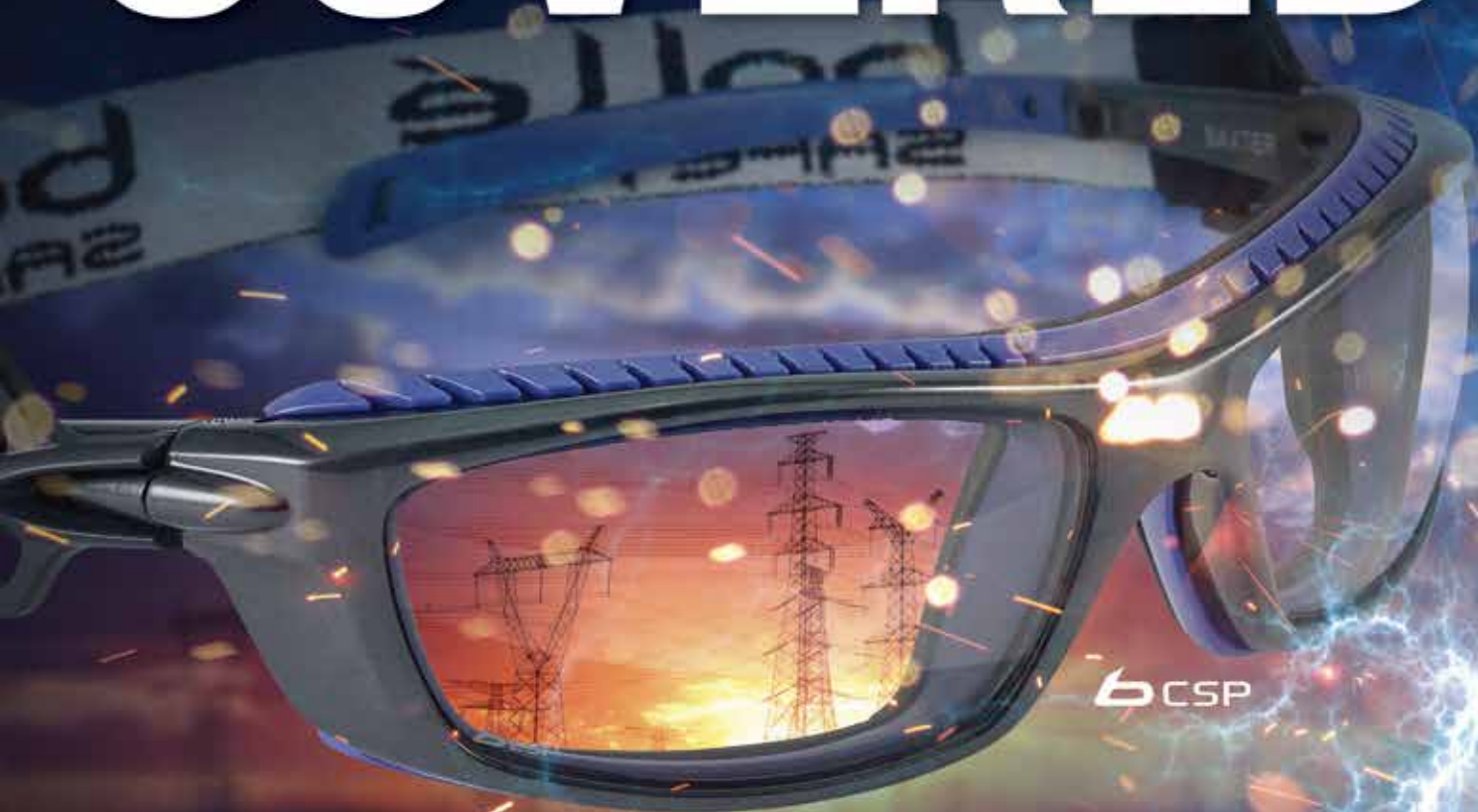
Key Changes

The revised regulation once again separates the quality assurance requirements applicable to state and federal monitoring programs from those for industrial PSD monitoring. This change recognizes the many differences in the objectives and implementation approach between the state and industrial monitoring programs. Other significant items include:

- Increased emphasis on the role and responsibilities of the Primary Quality Assurance Organization (PQAO)
- Requirement that EPA be provided a courtesy copy of an organization's Quality Assurance Project Plan (QAPP), even if that PQAO has been delegated QAPP review authority by EPA
- Clarification of the applicable system and performance audits and required frequency for each type of monitoring program
- Updated calibration and audit ranges for gaseous analyzers

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The Assessment Process:

- ❖ Guard-Safe Guarding will arrange a convenient time to visit your facility.
- ❖ It is recommended that the client provide us with a list of equipment, complete with identification names/numbers that are to be inspected.
- ❖ We will meet with your Safety Committee and share our knowledge of machine safety guarding, provide useful advice and discuss the operation of the equipment we will be evaluating.
- ❖ Perform a physical inspection of the equipment and area around the equipment.
- ❖ During the inspection process we will be photographing, measuring and possibly performing a laser scan of the machine.
- ❖ Questions. We ask a lot of questions to the operators and maintenance personnel to gain a firm understanding of what operations are performed on and around the equipment. A guard that is not user friendly is often modified or discarded leaving the operator at risk and the employer vulnerable. We strive to make our guards purposeful and convenient for operators and inspections.

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- ❖ Hazard Identification
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About Safety Through Engineering

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risk programs?



Topic	Question ID	Question	Answer
OFFICE: ALARM SYSTEMS	OFF-130.1.US	1. Does the facility have an employee alarm system? Cite: 29 CFR 1910.130(c) 29 CFR 1910.130	As employer must have and maintain an employee alarm system that is able to be heard, seen, or otherwise perceived by everyone in the workplace. The employee alarm system must be distinctive and recognized by all employees as a signal to evacuate the workplace or perform actions identified in the EPP/SAP.
OFFICE: ALARM SYSTEMS	OFF-130.1.US	2. Is the employee alarm system tested annually? Cite: 29 CFR 1910.130(d)(4)	Employee alarm systems must be tested at least annually for reliability and adequacy.

G. AUDIT QUESTIONS

Date: _____
Facility: _____
Auditor: _____

Question ID	Audit Questions	Auditor Guidance And Notes-Audit Questions	Y	N	N	Comments
			E	O	A	
ERGONOMICS						
OFF-140.1.US	1. Are workstations configured so that employees can achieve ergonomically correct working postures?	Workstations should be configured to prevent common ergonomic problems. The computer keyboard and mouse should be within easy reach and at a comfortable height (elbow high), the keyboard and monitor should be aligned, and the screen should be at or slightly below eye level. There have been no issues.				
OFF-140.2.US	2. Are chairs used at workstations adjustable and in good condition?	Chairs so that employees can work in a comfortable seated position, with good body support. Chair height should allow feet to rest flat on the ground with thighs parallel to the ground.				

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Laird Launches ‘Transport QC,’ A Next-Gen Remote Control System That Enhances Efficiencies in Industrial Rail Operations

Laird Controls, a unit of global technology leader, Laird, has launched a new portable remote control system that enables rail operators to use a handheld remote controller to move locomotives with ease and confidence throughout their operations, the company announced today.

The new quick connect system -- Transport QC -- enables a single worker to use the wireless remote control system to pilot a locomotive through a rail yard, as opposed to three people in a work crew.

Using the new remote control system simultaneously bol-

sters worker safety, boosts productivity, and enhances rail operator profitability. And, because it is a quick connect system, Transport QC can be easily moved from locomotive to locomotive, improving operational efficiency.

“As a long-time partner of Class I, II and III railroads, locomotive OEMs and industrial rail operators on a global basis, we have developed a deep level of specialized knowledge in the design, development, and effective implementation of wireless remote control solutions in a variety of railyards,” said Ryan Wooten, Laird Controls Vice President and General Manager. “Our products maximize safety and improve productivity of rail operations.”



"From the simplest to the complex, Jesco does it best!"



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In 2017 alone, nearly 4,200 railroad workers in the United States were injured on the job, according to the Federal Railroad Administration, which also reports that since 2013, more than 60 railroad workers in the U.S. have been killed while on duty.

Transport QC -- which is manufactured in Warren, Ohio, USA -- is a lightweight, compact system that securely contains all hardware and components in a single enclosure. Its portability enables greater flexibility when planning for maintenance, and it improves rail operators' capital investment by eliminating "per locomotive" cost requirements, Wooten added.

The system can be configured for various options, such as radio frequency communication, proportional train brake control, digital talkback, wireless 4G capabilities, two-way RF communication, and enhanced safety alerts. A number of self-monitoring features also are built in to minimize the reliance on operator intervention, Wooten said.

"We designed Transport QC with the durability to thrive

in the harsh environment of the industrial rail operations," Wooten said. "There are a variety of controller options available to operators, designed to simplify the user experience and streamline the adoption of the system. This next-generation design enhancement will enable our systems to continue being the most sought after RCL system for industrial rail applications globally."

For more detailed product information, click on Transport QC or go to <https://www.lairdtech.com/products/transport-qc-locomotive-remote-control>. For a video presentation, go to <https://youtu.be/BSmgFnocKto>, and for an infographic about Transport QC, click here. To contact a wireless automation and control representative, please email controls.marketing@lairdtech.com.

About Laird Controls

As a global industry leader in the design, manufacturing, installation and service of wireless automation and control solutions, Laird Controls provides a full range of robust wireless safety and remote control solutions for industrial, rail and mining. With deep specialization and

global experience, Laird Controls enhances safety, efficiency and productivity while delivering unmatched reliability across the lifespan of its systems.

About Laird

Laird is focused on providing systems, components and solutions that protect electronics from electromagnetic interference and heat, and that enable mission critical connectivity through wireless applications and advanced antenna systems. Laird's products are critical to all sectors of the electronics industry, including transportation, industrial, medical, telecommunications, computing, and the mobile device sectors. Laird employs more than 9,700 employees at 49 locations in 19 countries worldwide.

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*Skin Cancer - Source: National Cancer Institute (NCI) **Source - <https://www.cdc.gov/media/releases/2016/s0601-zika-diseases.html>

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Guard-Safe Guarding

Five Easy Steps to Successful Machine Guarding!



Identify the Hazards

Not all hazards are created equal. Nor are the solutions for guarding them. Keep in mind the basic principle: Over, Under, Around or Through. If any body part is capable of reaching a moving component by those means, it must be guarded. The example to the left shows an exposed rotating shaft and a fan that present a hazard to employees.



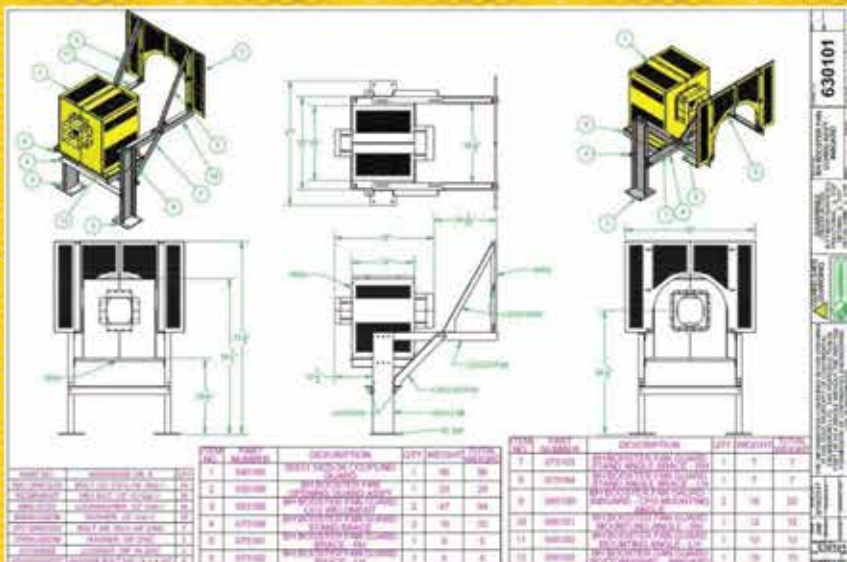
Scanning & Measurements

Set up an appointment with Guard-Safe Guarding to visit your facility and review your goals and primary objectives regarding your hazards. GSG will perform their own safety assessment to assist you in this process. GSG will photograph and measure the application. Some applications may require Laser Scanning to capture interferences and assist us in the design stage. The shaft/fan hazard from above was scanned by GSG, as shown here.



Designing your Guards

Upon processing the Laser Scan, GSG utilizes 3D CAD software to model the new guards and supporting structures. For simpler applications, the model is created based upon site measurements. A 3D CAD image is created and shared with our clients. The client is then able to visualize the final product, ask questions, and provide feedback regarding accessibility, or other concerns.



Engineering Drawings

Upon approval from the client of the initial concept model from above, GSG proceeds to create complete fabrication, arrangement and installation drawings. The drawings are once again submitted to the client for final approval prior to fabrication and shipment. O&M Manuals & drawings are provided for the client in electronic pdf format and paper format.



Installation

Guard-Safe Guarding powder coats all guards Safety Yellow. GSG preassembles the parts prior to shipping to ensure proper fit and delivers the guards assembled as much as possible to save time at installation. All guards are carefully packaged and shipped in a wooden box. It is recommended that a GSG technician be present during the installation process. All guards must be mounted rigid and secure.

At Guard-Safe Guarding we know that you care about your employees. We understand that guarding your equipment is not a simple or glamorous proposition. Guard-Safe Guarding is well prepared to answer your guarding questions. Typical concerns we hear are from Safety Managers looking for guidance, Maintenance personnel wanting easy access & removal of protective barriers, and from operators wanting to work safely, yet unencumbered. We have heard and addressed all of your concerns with our innovative and time saving products.

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JESCOHYDRATILT™ Dumpers which are available in 4000# capacity in .50, .75, 1, 1.5, and 2 cubic yard. The units are operator controlled with the hydraulic system of your forklift and used while seated on the lift. These new units are ideal when controlling the speed of discharging material is critical. The quick-disconnect lines are included on each of the units and a safety retaining chain. To fill out the line even more we have included ten different sizes of our Filter Press Hopper. Then along came the 90 degree Side Pivot Hopper and Low Profile Portable Hoppers with casters already installed.

Wire Mesh Partitions: 2"x1" rectangular mesh 10 gauge wire welded into an angle frame system is easy to use and easy to install. Ideal for around your automation enclosures, prevent your valuable tools from walking away from the tool crib, and quality control on non-conforming material, computer rooms, high security storage and so many more uses. JescoPalletGards® are wire containment backs for the pallet racks with stand-off clips (1.25, 4, 6 or 8 inch) design to fit most standard drilled pallet racks spaced two inch on center. Double hinge doors or double slide doors is an excellent way to secure high value products on the shelves.

1-1/2" Diamond mesh 10 gauge wire partition system are engineered for easy installation allowing unrestricted visibility and total air circulation. Inventory of standard height panels of 7, 8 or 10 high are available; but don't stop there because many industries require partitions to reach the trusses or building joists and that certainly can be accomplished. If you are installing partition on a raised platform (mezzanine) remember this requires zero or "no" sweep to keep everyone safe walking below. This is to prevent tools from dropping from the edge of the platform. (OSHA 1910.23(e)(4) Either partition system will work well but the more project information you are able to supply, the more knowledgeable we all become and it is truly amazing how that works!

The JESCOGARD® industrial guard rail 3-rib corrugation system will act as both a visual and physical barrier around your facility. The Economy Rail System is a 2-rib system and has been tested to withstand an impact of 10,000# traveling 4-mph. Should the need arise you can count on its strength without compromising quality at a price you can afford. Each system has available a self-closing single hinge gate with a sound dampening gasket on the gate.

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JESCOHUSKYDUMPERS®, wire partition systems, industrial guard rail systems, wire tenant storage lockers, industrial shelf carts, LP cylinder cabinets, machine guarding just to name a small portion of the products we offer to our customers. Our products are built to be the best in the industry and it is the reason customers keep coming back. Your satisfaction for a project well done is what really counts when the day comes to a close. We look forward for an opportunity to be able to assist your next industrial guarding or material handling requirements. Check out the full product line shown on the website at www.jescoOnline.com

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