

March 2024

SAFETYZONE MAGAZINE

**Moving Beyond
Break/Fix to
Prevent
Downtime
of Critical
Conveyors**





RHINO

SWITCHBOARD MATS

FUSEBOX SAFETY MAT™

Rhino Switchboard Mats For The "If" in Life.

Easily carried to job or construction sites, **Fusebox Safety Mat™** by Rhino provides portable insulation when working in close proximity to exposed energized equipment, around substations, transformers, switches, electrical panels, or high-voltage equipment. **Fusebox Safety Mat™** should be used in any area where Health and safety risk assessment shows a possibility of high-voltage shock.

Safety Focused. Results Driven

Rubber-insulating gloves, insulated hand tools, and switchboard-insulating mats are vital components of a successful PPE system. All should be used in conjunction with engineering safeguards and associated work practices.

Quality You Can Count On

All are tested to ASTM D178/ANSI J6.7 specifications with

certification printed on the back.

Two sizes available 2ft X 3ft and 3ft X 3ft,

Two thicknesses 1/2" and 1/4"

Available at most Electrical and

Safety Supply Houses,

ask for Rhino **Fusebox Safety Mat™**,

Home Depot online or

contact us at

713-228-5543 / Info@rhinomats.com

www.rhinoswitchboardmats.com

Extreme-Duty Series Class 4
1/2" thick Corrugated Surface
Test Voltage 50,000 VAC
Proof Test 40,000 VAC
Recommended 36,000 VAC

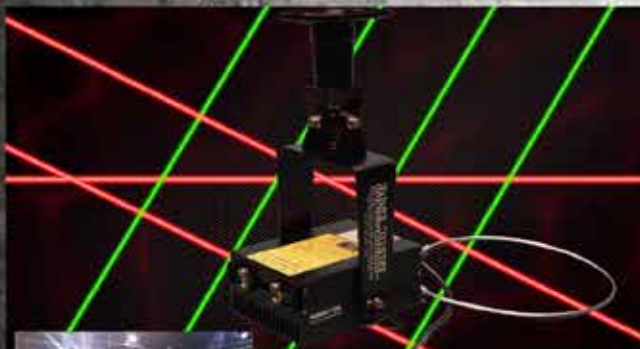


Heavy-Duty Series Class 2
1/4" thick Diamond Surface
Test Voltage 30,000 VAC
Proof Test 20,000 VAC
Recommended 17,000 VAC



Why Laser Lines and Projected Signs? Because, You're Sick of Painting & Taping!

NEW SOCIAL DISTANCING GOBO Images For LightCop.



www.LTBLtech.com

0110

615.593.0510

PG 4	Moving Beyond Break/Fix to Prevent Downtime of Critical Conveyors
PG 10	Company Profile: LTBL Tech
PG 16	Ad Index



Pg 4

The test tools you need - for the information you require.



From monitoring equipment, tools and test instruments to the need for on-going calibration requirements and the training to understand everything - there is no wonder the maintenance professional is overwhelmed. With the availability of new and upcoming technology, information overload can quickly set in when trying to put together the best maintenance solution. **That's where we come in.** EDE can demystify electrical testing programs, offer support, training programs and the high tech equipment to make your maintenance activities straight forward and motors and generators doing what they are supposed to do - run. We will help you **Find the Way.**



• 970/292-8207 • www.edeinst.com •

SAFETYZONE MAGAZINE

Vol. 24 Issue 5

PRESIDENT

Glen Hobson
205-441-5591
glen@handfmedia.net

DIRECTOR OF ADVERTISING

Jake Dimenna
205-624-2182
jake@handfmedia.net

DIRECTOR OF BUSINESS

Butch Cole
205-624-2180
butch@handfmedia.net

ADMINISTRATIVE DIRECTOR

Steven Hobson
steven@handfmedia.net

EDITOR

Brandon Greenhill
brandon@handfmedia.net

CREATIVE/ WEB DIRECTOR

Jacklyn Greenhill
jacklyn@handfmedia.net

P.O. Box 1568 • Pelham, AL 35124
Phone: 205-441-5591 • Fax: 205-624-2185
www.safetyzonemagazine.com
info@safetyzonemagazine.com

SDP

Southern Digital
Publishing

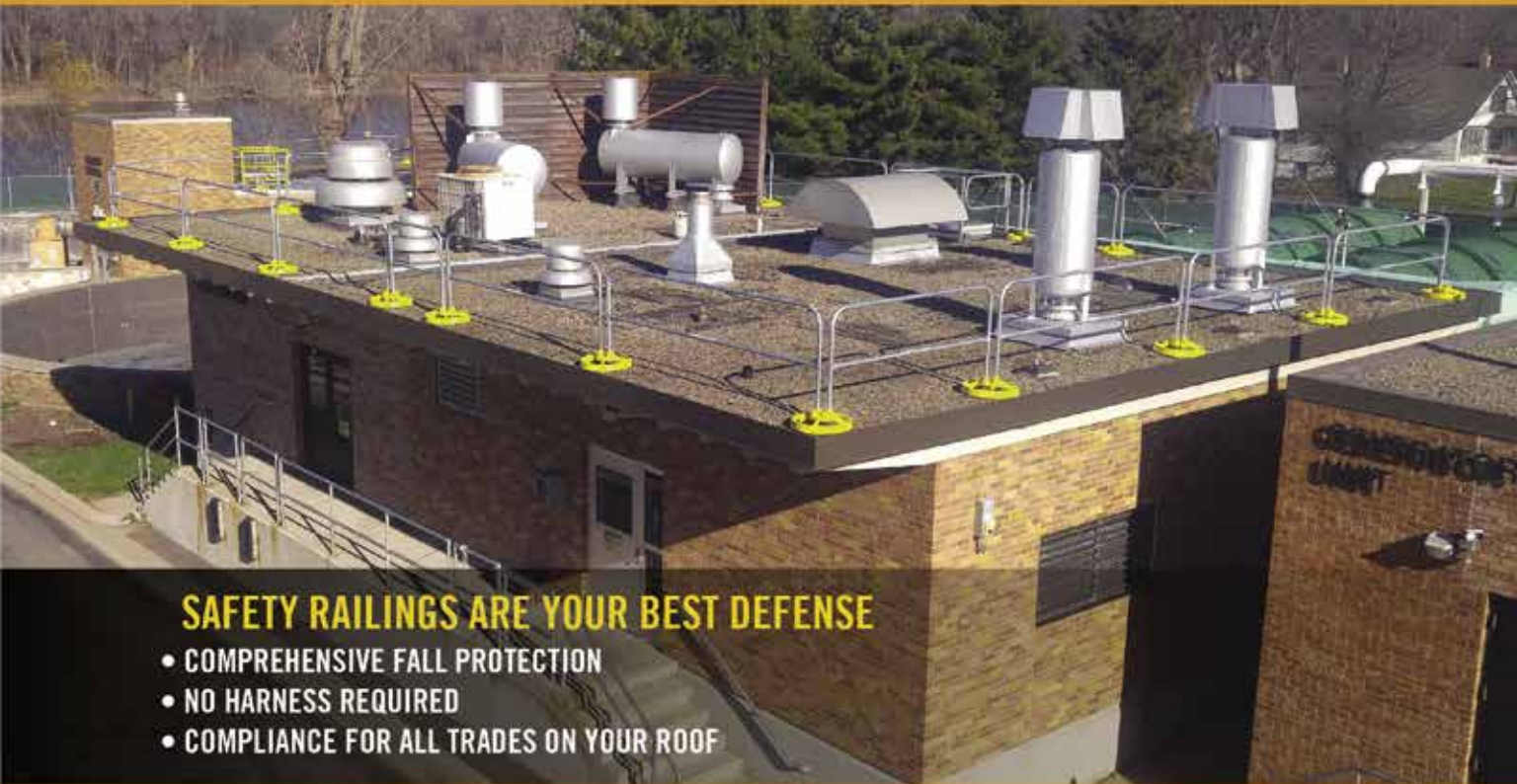
Safety Zone Magazine™ is published ten times a year on a monthly basis by Southern Digital Publishing, Inc. *Safety Zone Magazine*™ is distributed free to qualified subscribers. Non-qualified subscription rates are \$57.00 per year in the U.S. and Canada and \$84.00 per year for foreign subscribers (surface mail). U.S. Postage paid at Birmingham, Alabama and additional mailing offices.

Safety Zone Magazine™ is distributed to qualified owners and managers in the industrial safety industry. Publisher is not liable for all content (including editorial and illustrations provided by advertisers) of advertisements published and does not accept responsibility for any claims made against the publisher. It is the advertiser's or agency's responsibility to obtain appropriate releases on any item or individuals pictured in an advertisement. Reproduction of this magazine in whole or in part is prohibited without prior written permission from the publisher.

POSTMASTER: Send address changes to
Southern Digital Publishing, Inc. P.O. Box 1568
Pelham, AL 35124
PRINTED IN THE USA

ELIMINATE FALL HAZARDS

AT YOUR FACILITY WITH THE SRC360 MOBILE RAIL SYSTEM



SAFETY RAILINGS ARE YOUR BEST DEFENSE

- COMPREHENSIVE FALL PROTECTION
- NO HARNESS REQUIRED
- COMPLIANCE FOR ALL TRADES ON YOUR ROOF

FROM START TO FINISH, FALL PROTECTION AND PEACE OF MIND HAVE NEVER BEEN EASIER

OSHA COMPLIANT | NON-PENETRATING | EASY INSTALLATION

We offer a full menu of fall protection products addressing individual hazards or combined together for a comprehensive, 100% fall protection solution for the entire facility.

- EXPERT ADVICE
- FACILITY SITE SURVEYS & CAD MODELING
- FULFILLMENT, DELIVERY, INSTALL & SIGNOFF



PROTECT LIVES.
BE OSHA COMPLIANT.
CONTACT US TODAY.

MADE IN USA 

ANALYZE • SPECIFY • MANUFACTURE • INSTALL

ASK ABOUT OUR TURNKEY SOLUTION PACKAGE



SafetyRailCompany
Fall Protection for Life and Compliance

SAFETYRAILCOMPANY.COM | 888.434.2720



Moving Beyond Break/Fix to Prevent Downtime of Critical Conveyors

By Del Williams

To optimize production and extend the lifespan of tubular drag cable conveyors, it is ideal to involve an expert OEM for total preventative maintenance.

Processors in a wide range of industries rely on tubular drag cable conveyors to move sensitive materials and powders; therefore, it is important to properly design, install, and proactively maintain these systems to minimize production downtime and maximize longevity.

In today's fast-paced processing environment, it is a standard practice to run conveyors until something breaks or needs to be repaired, which can lead to significant unnecessary downtime.

"Processors traditionally have relied on third parties such as local millwrights to install and maintain conveyors. These third parties may not have access to technical specifications or have not had the opportunity to read the manual and can therefore be unaware of system acceptable specifications and best practices. This can result in not only excessive downtime and maintenance, but also costly repairs and even premature system replacement," says Fernando Mejia, Director of Product Life Cycle Management & Aftermarket for Automated Handling Solutions (AHS).

AHS combines the strengths of two market leaders, Cablevey Conveyors and Spiroflow, to provide customers with a specialized handling and automation product portfolio for mission-critical applications.

Instead of reacting to individual problems as they arise, a more effective approach is to implement total preventative maintenance (TPM) for conveyors. This involves ongoing service and engineering support, result-

SAFETY FIRST

OPTIMIZE YOUR WORKSPACE

Available in both
CHAIN & CABLE
Configurations

- Customizable height and reach to best fit your space.
- Ergonomic positioning for easy low strain use.
- Create a safe, efficient work environment.



The Sky Hook is your personal safety lifting solution, preventing lifting injuries while saving you both time and money!

800-4-SKYHOOK

800-475-9466 • 208-365-5770

www.skyhookmfr.com



ing in reduced downtime and lower Operations and Maintenance (O&M) costs.

"We are here to assist customers reducing their total O&M costs. We are looking forward to partnering with our customers to inspect their systems, review layouts, and formulate a total preventative maintenance plan based on their needs. Failing in this, customers may continue to replace parts prematurely with all the needless downtime this involves," says Mejia.

According to Mejia, the goal of a TPM program is to work with our customers to maximize the output of their conveyors and extend the lifespan of their critical capital equipment.

The Value of Prevention

With the sophistication of state-of-the-art conveyors, proactive, preventative, and predictive maintenance is an effective strategy. This is the case with tubular drag cable conveyors, which gently move product through a sealed tube using a coated, flexible

stainless-steel drag cable pulled through on a loop. Solid circular discs (flights) are attached to the cable, which propel the product through the tube without the use of air.

While it is possible to utilize third parties to install the systems and in-house maintenance teams to maintain them, there are considerable advantages to involving an OEM Supervisor, since they possess unparalleled training and expertise on the system.

OEM technicians typically have years of experience exclusively servicing and troubleshooting tubular drag style conveyors. Our technicians have conducted hundreds of inspections in plants worldwide that run any material imaginable, from powders and blends to bird seed, pet food, cereals, coffee beans, nuts, and more.

"Many recurring problems stem from incorrect installation, which can involve improperly positioning the conveyor's hangers, excessive tension, misaligning tubing, leaving gaps, or insufficient supports.



OIL ALERT[®] LIQUID LEAK DETECTOR

DETECT OIL LEAKS AND SPILLS...FAST!

- ***AVOID OPERATIONS SHUT-DOWN***
- ***REDUCE ENVIRONMENTAL RISKS***
- ***MINIMIZE COSTLY CLEAN-UP***
- ***MONITOR OFF-SITE EQUIPMENT***

A small amount of oil (1/32 inch) seeping under Oil Alert activates its loud "on/off" alarm and/or relay contact output. The low profile dome shaped unit guards against undetected leakage in areas of oil lubricated / hydraulic equipment, stand-by generators, pressurized piping and fuel oil storage locations...

5 year Limited Warranty

DORLEN Products Inc.
6615 W. Layton Ave. Milwaukee, WI. 53220

**Go to WWW.OIL-ALERT.COM
OR CALL: 1-800-533-6392
FOR MORE INFO!!**



jescoHYDRATILT™ DUMPERS



HYDRAULICALLY CONTROLLED HOPPERS

These units are ideal where control of the quantity of material dumped or the rate of discharge is critical. They operate off the hydraulic system of your forklift and come complete with male quick-disconnect hoses for easy attachment to the forklift.

jesco® PARTITIONS



DIAMOND WIRE MESH ENCLOSURES

Send us the footprint of your project and allow our engineers to assist you on your next project!

Division 10 22 13.



CONVERT YOUR FORKLIFT INTO A WORK PLATFORM!

Available in 40", 72", 96", and 120" lengths.

jesco® WORK PLATFORM



jescoGARD®

PROTECTIVE GUARD RAILING

These versatile guards act as both a visual and physical barrier to help protect people and property such as aisles, docks, conveyors and other equipment. Bolted rails are designed and tested to stop a 10,000 lbs load impacting at 4 mph from breaking through. Lift-out rails shown. All hardware is included.



Call 800-529-6697
Visit www.JescoOnline.com

jesco
— Since 1932 —[®]

Jesco Industries, Inc.
Ph: 517-542-2903 Fax: 517-542-2501
PO Box 388 Litchfield, MI 49252-0388



All these defects can generate friction, noise, and prematurely wear parts, requiring replacement,” says Mejia.

An OEM can also proactively recommend the appropriate spare parts kits or high wear parts such as cables, connectors, or sweeps that are known to have shorter lifecycles. This method encompasses assessing both the condition and usage of the conveyor, while also leveraging predictive data to efficiently resolve numerous issues before any downtime occurs.



An ounce of prevention is worth a pound of cure



Line Guard | Pole Guard | BirdBloc
Learn More at [CritterGuard.org](https://www.CritterGuard.org)



“As the OEM, we can analyze system usage as well as component wear and lifecycle data to accurately predict when vital parts will likely need to be replaced and have them replaced before something breaks,” says Mejia.

“The more a processor adheres to this type of total preventative maintenance schedule, the more likely the conveyors will provide optimal service throughout their anticipated lifespan,” adds Mejia.

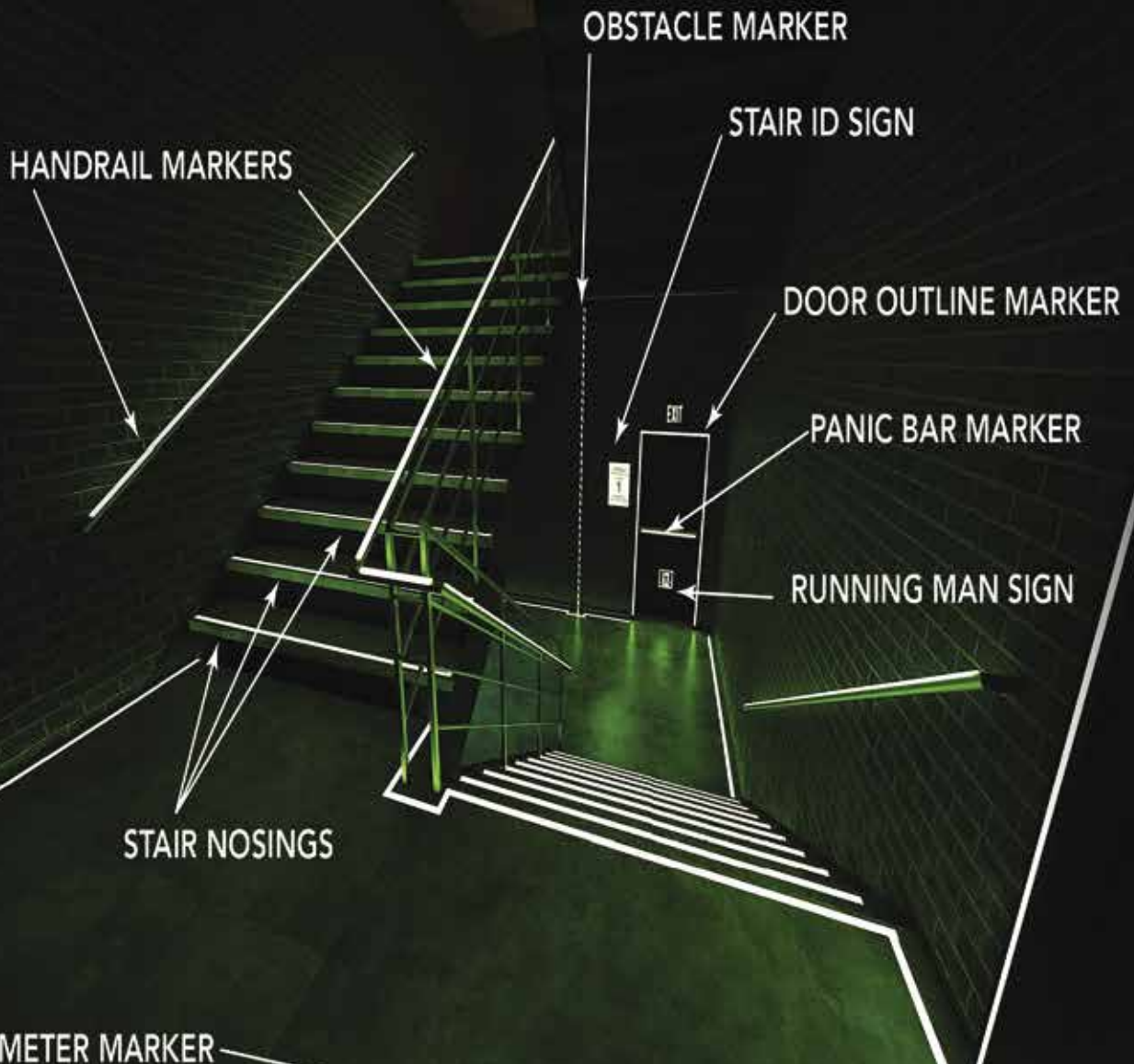
A comprehensive annual inspection of the conveyor system by the OEM is highly recommended. With the shortage of skilled mechanics combined with high employee turnover, we are here to perform in-depth inspections and recommended maintenance. This solution is mainly targeted to processors that have one or multiple tubular drag conveyors running constantly throughout the year.

According to Mejia, detecting problems such as gaps or misalignments requires camera inspection. The annual inspection also assesses the conveyor’s tubes, walls, sweeps, connectors, input, and output. In addition, cables should be checked for integrity and ten-

Safe-T-Nose®

LEAVE NO DOUBT • THIS WAY OUT • EXIT SAFELY

SAFETNOSE.COM • 1-855-723-6673



IFC/IBC REQUIRED EGRESS MARKINGS AND SIGNS



sion, discs and sprockets for wear, and joints should be validated.

During the inspection process, the OEM can recalibrate or replace any components outside of system specifications. In the case of AHS, service technicians also advise on the use of any available update or retrofit kits that can further facilitate increased output.

While the frequency of the annual service visits depends on the system application and environment conditions, several factors can help determine the optimal frequency. As a partial list, this can include the type of conveyor systems in the facility, system length and complexity, average daily use, environment conditions and the type of material conveyed. When these factors are analyzed, a service visit might be scheduled once or twice per year, as the situation warrants.

Many processors can benefit greatly from collaborating with a knowledgeable conveyor OEM to establish a comprehensive preventative maintenance plan. For instance, Mejia highlights the case of a coffee processor that aimed to revamp their maintenance strategy.

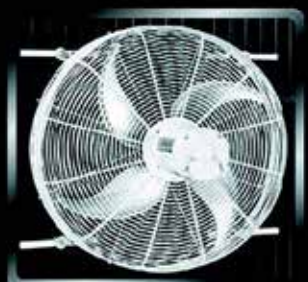
This customer had expanded operations and was about to double their capacity. Although their conveyors were running well, they didn't want to risk unnecessary downtime. "So, they told us, 'We would like to avoid the 'break/fix' approach and move forward to a total preventative maintenance culture,'" says Mejia. "I was thrilled to hear that our goal and vision were aligned."

To meet the demands of the industry and address the requested services, AHS is increasing their service capacity to assist processors in proactively mitigating issues and minimizing downtime. The OEM will be establishing a service hub and parts depot on the West Coast, enabling localization, onsite inspections, and comprehensive preventive maintenance by qualified technicians with a local presence.

The OEM is now offering long term service agreements that will comprehensively cover all aspects of maintenance, so the processor can focus on their core business with confidence in the performance of their conveyors.

For more info, call +1 (641) 673-8451; in the U.S., call toll-free: +1 (800) 247-3344; fax: +1 (641) 673-7419; email: info@automatedhandling.com; or visit www.automatedhandling.com

Get Cool!

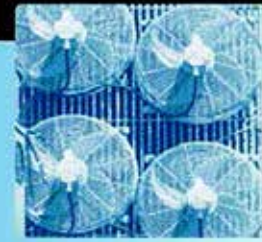


**Extend
transformer
life!**

**Increase
transformer
capacity up
to 166%!**

- expert technical assistance
- low sound levels
- energy-efficient motors

- large inventory
- one-piece cast aluminum blades
- galvanized or stainless steel guards





quality engineered, performance tested

p.o. box 187 germantown, wisconsin 53022 262.255.2318

www.krenzvent.com

*"As a safety professional, you always want your workers to have access to leading edge safety tools that improve safety and focus. Working with **COOLSHIRT SYSTEMS** over the past two years allowed me to help design a tool by lineman for lineman."*

*The **A.R.C. Hybrid Cooling System** by **COOLSHIRT SYSTEMS** allows lineman to remain more focused and less fatigued by reducing their core body temperature in extreme environments, therefore reducing the possibility of unintended accidents."*

-James "Jim" Bonner
Compliance Coordinator- Retired
Alabama Power



A.R.C. Hybrid Cooling System

Complete Arc Rated Portable Cooling Solution

Developed in conjunction with major power companies for use in extreme heat conditions, the **A.R.C. Hybrid Cooling System** uses liquid cooling to reduce fatigue, injury, and heat stress related illness.

Designed specifically for use by linemen, the **A.R.C. Hybrid Cooling System** features a compact design with a custom woven strap mounting system. The use of S-hooks offers the versatility of mounting inside or outside of the bucket. The system includes our mobile ice based cooler, a 7 hour lithium ion battery with charger and a **CAT 2, 12 CAL** rated Liquid Cooled Vest for **70E Arc Flash** protection.

Designed with portability in mind, measuring **6" x 6" x 20"** and weighing in at **less than 10 lbs dry**, the unit is entirely self-contained and built to last with a 20,000 hour pump.



A.R.C. Hybrid Cooling System
2002-0017



COOLSHIRT®
LIQUID COOLED GARMENTS

"PROP THAT DOOR OPEN WITH THE PROPPER"

Commercial, Residential, Industrial, Hotel/Motel & Deliveries

- Compact, Lightweight - Only 5 oz.
- Magnitized for Convenient Storage
- Easy To Open, Folds When Not In Use
- Safe, Secure Design, Never Slips Off Hinge



www.ProprierStopper.com



MADE IN USA 

SLIP AND FALL PREVENTION!

Since
1993

NEW!



TESTING DYNAMIC
COEFFICIENT OF
FRICTION (DCOF)
ASM 925

DIGITAL ASM 825A SLIP METER

WET AND DRY TESTING
CALIBRATES TO ANSI/NFSI B101.1

SAFE FLOORS MAY INCREASE PRODUCTIVITY
AND WILL CERTAINLY REDUCE LOSSES

SCOF RESULTS WITH AN EASY-TO-USE
PORTABLE FLOOR FRICTION TESTER

PH: 941-681-2431 | FAX: 941.681.2487

AMERICAN SLIP METER®

WWW.AMERICANSLIPMETER.COM



Payroll People meet at a Tradeshow

Our payroll takes 2 minutes to prepare and keeps us compliant with the DAVIS BACON ACT

Our payroll takes many hours and 3 people to put together

We get an 80% savings in time and money with compliant client - compared to manually prepared payroll

Compliant client sounds great.
My friend's construction company was heavily fined being out of compliant. He might go to jail!

Our payroll is certified, worry Free and very inexpensive plus it is DOL APPROVED

I USE COMPLIANT CLIENT BY EMARS

WE MANUALLY PREPARE PAYROLL

- Encrypted
- Free Demo
- Works with Excel
- 55,000 + Client
- Web Based
- Paperless
- Works with Time Clock

Compliant
 **client**
by eMars

emarsinc.com
480-595-0466

LTBLtech, LLC - Call: 615.593.0510

DOCK RIGHT
LASER DOCKING TECHNOLOGY
Dock Right Laser System, Div. of LTBLtech, LLC
LOSS PREVENTION FOR THE 21ST CENTURY
www.LTBLtech.com

LTBL TECH "The Original"
LIGHTCOP
- Loss Prevention For The 21st Century -

LASER LINE'S

PROJECTED SIGN'S

Because Painting & Taping Sucks!

Visit us on the web - www.LTBLtech.com

About Us

Mark Wray brings decades long leadership in the direction of design and manufacture sourcing of products incorporating similar light technologies. In the summer of 2013, Mark recognized the increased applications for these light-based technologies in the manufacturing and warehousing market segment, and coordinated a team to focus specifically on developing products to enhance industrial safety using these platforms. Early on it became apparent that one of the major challenges for all industrial safety managers was in moving both pedestrians and heavy equipment operators safely throughout their facility. DockRight and LightCop were both designed to aid in the task of minimizing the risk of accidents or injury by assisting company safety manager's in their quest to drive compliance for established company safety protocol's. LTBLtech, LLC makes no claim that neither LightCop, nor DockRight can prevent or eliminate accidents. These safety products are simply designed to help drive compliance, and in doing so greatly contribute to workplace operations safety.

Convinced that laser and LED traffic management products could be developed to help reduce risk of accident and injury, particularly around blind intersections, the team began working on their two flagship products, the

LightCop LED traffic signage and warning system and the DockRight laser line striping system. The key to decreasing risk was in developing features within their products that would help drive compliance to established safety commands such as a stop sign at an intersection. After numerous prototypes were developed in the creation of the LightCop, for example, features such as a flashing message upon approaching an intersection were adopted. The goal was to help minimize accidents and injury in the workplace, and help reduce subsequent loss through the development of more effective night-time docking systems. Once final systems designs were approved, the team began the process of product commercialization.

Mark Antony Wray
FOUNDER - CEO LTBLTECH, LLC | TECHNOLOGY DEVELOPMENT, INTERNATIONAL TRADE, OVERSIGHT OF SYSTEMS DESIGN, AND BUILD.

Mark specializes in utilizing his global engineering and manufacturing experience to greatly reduce time and investment capital in Research, Development, and Build of all LTBLtech, LLC products.

www.ltbltech.com •

REDEFINING COMPREHENSIVE ROOFTOP SAFETY

TURN-KEY SAFETY RAIL SOLUTIONS FROM START TO FINISH

INSPECT | SPECIFY | BUILD | INSTALL



SRC Mobile Safety Rails set the industry standard for OSHA compliant safety solutions to prevent falls and injury.



PROTECT LIVES.
BE OSHA COMPLIANT.
CONTACT US TODAY.



SafetyRailCompany
Fall Protection for Life and Compliance

SAFETYRAILCOMPANY.COM | 888.434.2720

Ad Index

Company	Pg.	Website
American Slip Meter	12	www.americanslipmeter.com
Cool Shirt	11	www.coolshirt.com
Critter Guard	8	www.critterguard.org
Dorlen	6	www.oil-alert.com
eMars Inc	13	www.emarsinc.com
EDE Electric	2	www.edeinst.com
Jesco	7, IBC	www.jescoonline.com
Krenz Vent	10	www.krenzvent.com
LTBL	1,14	www.ltbltech.com
Propper Stopper	12	www.olf.com
Rhino Switchboard Mats	IFC	www.rhinoswitchboardmats.com
Safe T Nose	9	www.safetnose.com
Safety Rail Co	3, 15	www.safetyrailcompany.com
Sky Hook	5	www.skyhookmfg.com
Wooster	BC	www.woosterproducts.com
Working Concepts	16	www.safeworker.com

Work shouldn't hurt.

SOFT KNEES®

No-Strap Knee Pads

STOP a LADDER®

Another fine **ergoKNEEL** product
www.ergokneel.com




888-456-3372 • www.safeworker.com • info@safeworker.com

jescoHYDRATILT™ DUMPERS



HYDRAULICALLY CONTROLLED HOPPERS

These units are ideal where control of the quantity of material dumped or the rate of discharge is critical. They operate off the hydraulic system of your forklift and come complete with male quick-disconnect hoses for easy attachment to the forklift.

jesco® PARTITIONS



DIAMOND WIRE MESH ENCLOSURES

Send us the footprint of your project and allow our engineers to assist you on your next project!

Division 10 22 13.



CONVERT YOUR FORKLIFT INTO A WORK PLATFORM!

Available in 40", 72", 96", and 120" lengths.

jesco® WORK PLATFORM



jescoGARD®

PROTECTIVE GUARD RAILING

These versatile guards act as both a visual and physical barrier to help protect people and property such as aisles, docks, conveyors and other equipment. Bolted rails are designed and tested to stop a 10,000 lbs load impacting at 4 mph from breaking through. Lift-out rails shown. All hardware is included.



Call 800-529-6697
Visit www.JescoOnline.com

jesco
— Since 1932 —

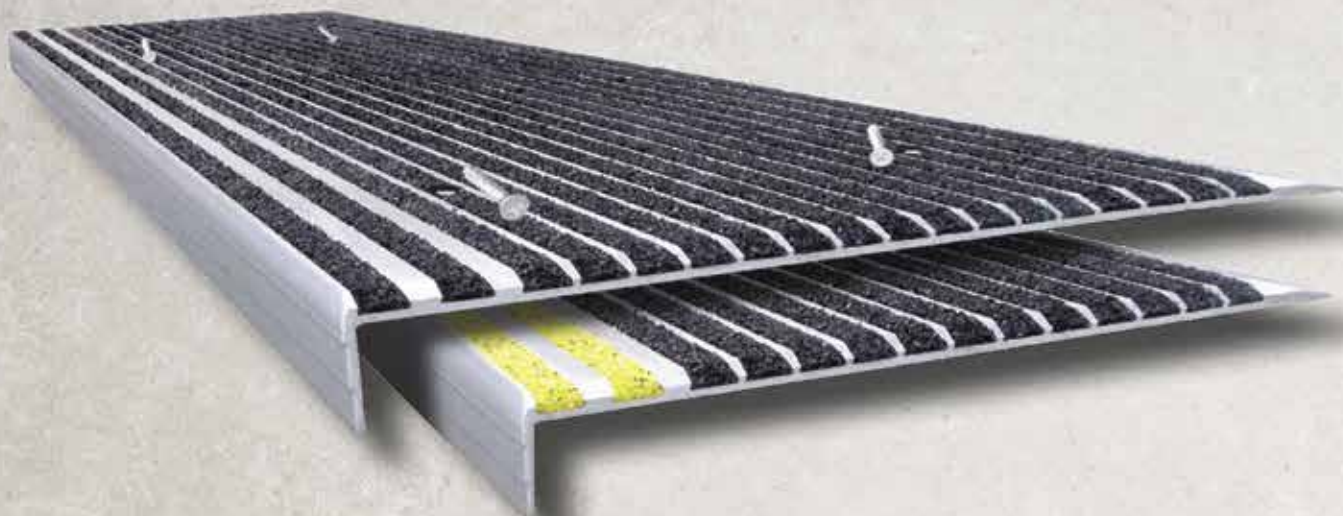
Jesco Industries, Inc.
Ph: 517-542-2903 Fax: 517-542-2501
PO Box 388 Litchfield, MI 49252-0388

Worn, Slippery, or Damaged Stairs?

Renovate with

STAIRMASTER®

Anti-Slip Stair Treads



#1 in Egress Safety for Over 100 Years!

- Low cost renovation
- Excellent anti-slip protection
- Withstands heavy traffic
- For indoor or outdoor use
- Quick and easy installation on any existing stair



Also available in NITEGLOW™



**PROUDLY MADE
IN THE USA**

Specify Wooster

"Make Every Step a Safe One"

1.800.321.4936

www.woosterproducts.com

sales@wooster-products.com