



HEAD-TO-TOE SAFETY SOLUTIONS FOR MANUFACTURING INDUSTRY

Manufacturing facilities present risks such as machinery-related injuries, ergonomic risk factors like repetitive motion injuries, and slips, trips, and falls. Providing appropriate PPE is essential to minimize these risks and ensure worker safety.

\$1.80B

DIRECT COST DUE TO OVEREXERTION

\$1.20B

DIRECT COST DUE TO FALLS ON SAME LEVEL

\$8.32B

IN LOSSES TO SERIOUS, NONFATAL WORKPLACE INJURIES

326,400

TOTAL RECORDED INJURIES IN 2023

\$0.97B

DIRECT COST DUE TO STRUCK BY AN OBJECT OR EQUIPMENT

\$0.71B

DIRECT COST DUE TO FALLS TO LOWER LEVEL

Liberty Mutual 2023 Workplace Safety Index libertymutual.com/workplace-safety

WORK SITE AREA



PRODUCTION LINE



SHIPPING & WAREHOUSING



ELECTRICAL MAINTENANCE



OUTDOOR YARD MAINTENANCE



FLEET & MACHINERY MAINTENANCE

HAZARDS & RISK



WORKING AT HEIGHTS



HEAD, FACE & EYE



LOW VISIBILITY



ELECTRICAL HAZARDS



FOOT INJURY



FATIGUE/ ERGO RISKS



SLIPS, TRIPS, FALLS



FAULTY TOOLS AND EQUIPMENT

SAFETY SOLUTIONS



FALL PROTECTION

- Meets & exceeds ANSI Safety Standards
- Proprietary solutions
- Ergonomic designs
- Interchangeable components



HEAD & FACE PROTECTION

- Latest ANSI-Certified SRLs
- Ergonomic designs for all-day comfort
- Confined space solutions



WORKWEAR & ELECTRICAL SAFETY

- Robust, rigorously tested workwear
- Arc Flash PPE
- Compliant electrical safety solutions



FOOTWEAR & TRACTION AIDS

- Meets & exceeds ASTM F2413-18 Standards
- Reduce pain and fatigue
- Indoor and outdoor traction aids – Spiked and Spikeless



LIFTING EQUIPMENT

- Fleet Service and Maintenance
- Stable and controlled lifting
- Ease of operation
- Diversified offering



ERGONOMIC FALL PROTECTION SOLUTION

Falls from height are one of the leading causes of workplace injuries and fatalities in the manufacturing industry. Without proper fall protection equipment, workers face significant risks when working on elevated platforms, scaffolding, or machinery.



- **Ergonomic Harnesses:** Contoured padding reduces fatigue for long-lasting comfort and can improve compliance.
- **Compliance & Safety:** Meets OSHA, ANSI, and CSA standards.
- **Superior Safety:** Trauma straps and wear indicators prevent injuries.
- **Shock-Absorbing Lanyards:** Reduce fall impact and offer flexibility.
- **User-Friendly Connectors:** Lightweight, secure, and corrosion-resistant.
- **Enhanced Worksite Efficiency:** Ergonomic designs boost comfort and productivity.

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FAULTY TOOLS AND EQUIPMENT



FRAGILE OR NON-LOAD-BEARING SURFACES



IMPROPER TIE-OFFS



IMPROPER LADDER PLACEMENT



SLIPPERY/UN-EVEN SURFACES



LIMITED MOBILITY WITH TOOLS



INADEQUATE FALL ARREST SYSTEMS

MORE FALL PROTECTION SOLUTIONS



SELF-RETRACTING LIFELINES

- Quick braking to minimize fall distance.
- Corrosion-resistant and durable housing.
- Lightweight, compact design for ease of use.
- High-strength cables and impact indicators for reliability.
- Meets ANSI Z359.14-2021 and OSHA requirements.



LIFELINES AND ROPE GRABS

- Auto-locking, adjustable for secure positioning.
- High-strength, abrasion-resistant lifelines.
- Corrosion-resistant, durable materials.
- Simple installation for varying heights.
- ANSI and OSHA compliant.



FULL-BODY HARNESSES & BELTS

- Ergonomic design to for enhanced comfort.
- Stab Lock buckles for quick donning.
- High-visibility two-tone design
- Five adjustment points for secure fit.
- ANSI Z359.11 and CSA Z259.10 certified.



JACKSON SAFETY **sellstrom**

PPE AND WELDING SOLUTIONS

Above-the-neck safety in the manufacturing industry is critical to protect workers from head injuries, eye damage from flying debris or chemicals, and hearing loss from loud machinery. Essential protective equipment includes hard hats, safety glasses, face shields, and hearing protection to ensure a safe working environment.



- **Proven Expertise:** Nearly a century of leadership in safety solutions.
- **Innovative Designs:** Feature-rich products enhancing safety and satisfaction.
- **Comprehensive Protection:** Full range of welding, eye, face, head, and hearing protection.
- **Rigorous Testing:** Exceeds OSHA, ASTM, CSA, CE, and NIOSH standards for quality.
- **User-Centric:** Durable, comfortable designs boosting productivity in any industry.

WORK SITE AREA



HAZARDS & RISK



COMPLETE ABOVE THE NECK SAFETY SOLUTIONS



HEAD PROTECTION

- Hard Hat Interchange System for seamless integration with face shields and welding helmets.
- Compatible with other PPE for comprehensive safety.
- Meets ANSI Z89.1 standards for industrial protection.



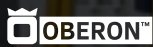
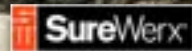
EYE & FACE PROTECTION

- Polycarbonate face shields and anti-fog safety glasses for durability and clarity.
- Compatible with helmets and other PPE for complete protection.
- ANSI Z87.1 and CSA Z94.3 compliant for impact and splash safety.



WELDING SAFETY

- Auto-darkening helmets for better visibility and protection.
- Interchangeable with hard hats for continuous safety.
- Meets ANSI Z87.1 standards for welding protection.



SAFETY WORKWEAR SOLUTIONS

Hi-vis and FR workwear are essential in the manufacturing industry to improve visibility, safeguard workers from hazards, and comply with safety regulations. They minimize accident risks, offer durability and comfort, and contribute to a safer, more productive workplace.



- **Unmatched Safety Standards:** Meets and exceeds industry requirements such as CSA, ANSI/ISEA, NFPA and ASTM.
- **Innovative Technology:** Advanced solutions in FR, weather protection, and durability.
- **Comfort and Fit:** Diverse sizes and styles provide proper-fitting PPE for men and women.
- **All-Weather Performance:** Reliable gear for extreme environments and changing conditions.
- **Legacy of Trust:** Trusted brands with a proven history of safety leadership and expertise.

WORK SITE AREA



HAZARDS & RISK



MORE SAFETY WORKWEAR SOLUTIONS

HI-VIS HOODIES

- Bright colors and reflective materials for safety in low light.
- Comfortable materials for tough jobs.
- Meets and exceeds ANSI/ISEA 107 and other industry safety standards



HI-VIS T-SHIRTS

- Comfortable fabric with bright and reflective tape.
- Breathable, lightweight design for hot, active workdays.
- Meets and exceeds ANSI/ISEA 107 and other industry safety standards



FR ARC-RATED SHIRTS

- Provides an arc rating starting from 10 cal/cm², suitable for PPE Category 2 tasks.
- Meets and exceeds NFPA 70E, NFPA 2112 for FR and ASTM F1506.
- Suitable for electrical hazards





ELECTRICAL SAFETY SOLUTIONS

Electrical safety workwear is essential in the manufacturing industry to protect workers from electrical hazards, improve visibility, and ensure compliance with safety standards such as NFPA 70E and ASTM F1506. It minimizes the risk of electrical incidents, offers durable protection, and supports a safer, more productive workplace.



- **Standards Leadership:** Influences industry safety standards through active participation in ASTM and ANSI committees.
- **ISO Certified:** ISO 9001 accreditation ensures consistent quality and excellence.
- **Full Compliance:** Meets NFPA 70E, CSA Z462, ASTM F1506, and ANSI Z87.1 standards for maximum safety.
- **Innovative Solutions:** Advanced technologies like TCG™ lenses enhance safety and visibility.
- **Proven Expertise:** Decades of experience delivering reliable electrical safety solutions.

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SLIPS,
TRIPS, FALLS



FAULTY
TOOLS AND
EQUIPMENT



FAULTY
EQUIPMENT



OVERLOADED
CIRCUITS



ARC FLASH
INCIDENTS



SEVERE
BURNS AND
INJURIES



WORKING IN
CONFINED
SPACES



LACK OF
TRAINING

MORE ELECTRICAL SAFETY SOLUTIONS



TECHNICAL SERVICES:

- Electrical Safety programs
- Training options
- Custom consulting services
- Engineering services
- Site Audits
- PPE Assessments and Testing



ARC FLASH KIT WITH ESCAPE STRAP

- ANSI/ISEA 125, NFPA 70E Cat 4, CSA Z462 Cat 5, 76 cal/cm² arc rating.
- TCG hood with anti-fog, anti-scratch, ventilation, and LED light.
- Flame-resistant aramid fibers with 20' Kevlar® rescue strap.
- Made in the USA.



ARC FLASH BLANKETS

- Designed to redirect energy during underground or confined space tasks.
- 4' x 5' blankets include 10 straps; 5' x 8' blankets include 14 straps, each 48" long for secure use.
- Exceeds ASTM F2676 and F3272 standards, rated for 40 kA arc current.
- Made in the USA.



**MEGA
COMFORT**

ERGONOMIC ANTI-FATIGUE SOLUTION

The manufacturing industry poses risks of fatigue and musculoskeletal disorders (MSDs) from repetitive tasks, prolonged standing, and heavy lifting, emphasizing the importance of ergonomic practices and supportive, anti-fatigue footwear to protect workers.



- **Ergonomic Patented Dual-Layer Memory Foam:** High-density, 100% memory foam absorbs shock.
- **Clinically Proven Comfort:** Developed and field-tested to reduce pain and fatigue.
- **Injury Prevention:** Protects against puncture injuries
- **Reduced Musculoskeletal Strain:** Alleviate pressure on joints and muscles
- **Improved Comfort and Endurance:** Relieves foot strain, enabling construction workers to remain comfortable and productive all day.

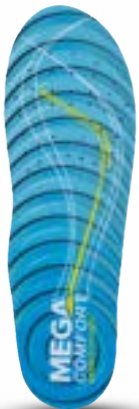
WORK SITE AREA



HAZARDS & RISK



MORE ERGONOMIC SOLUTIONS



ERGO RESPONSE

- Patented dual-layer memory foam
- Ergonomic design
- Soft, contoured arch support
- Gel enhanced cushioning
- Machine washable



ERGO FIRM SUPPORT

- Firm arch support
- Patented dual-layer memory foam
- Cost-effective orthotic alternative
- Enhanced heel stability and motion control
- Ergonomic design



ERGO ANTI-STATIC

- Static dissipating foam
- Patented dual-layer memory foam
- Ergonomic design
- Soft, contoured arch support
- Meets ASTM F2413-18 standards



SAFETY FOOTWEAR SOLUTIONS

The manufacturing industry poses significant risks of foot injuries, including punctures from sharp objects, crush injuries from heavy machinery or dropped materials, slips on wet or oily floors, and fatigue from standing on hard surfaces for extended periods.



- **Comprehensive Protection:** A wide range of safety toe options and features like slip-resistant soles and anti-perforation midsoles.
- **All-Day Comfort:** Ergonomic designs and cushioned insoles reduce fatigue.
- **Versatile Options:** Styles range from lightweight athletic shoes to rugged work boots.
- **Inclusive Sizing:** Available in a wide range of sizes, including larger options, to accommodate every worker.
- **Advanced Technology:** Water-resistant uppers, moisture-wicking linings, and heat resistance enhance safety and functionality.

WORK SITE AREA



HAZARDS & RISK



MORE FOOTWEAR STYLES



NEW BALANCE

- Built on 100+ years of performance expertise.
- Safety toes, slip resistance, and hazard protection.
- Long-lasting with sleek, modern designs.



AVENGER WORK BOOTS

- Built to endure tough conditions
- Available in wide sizes
- Different safety toe options available
- Meets strict safety compliance



NAUTILUS

- Lightweight, flexible construction
- Meets ASTM standards
- Stylish: Sleek, versatile design
- Meets strict safety compliance



INDOOR & OUTDOOR TRACTION SOLUTIONS

Extreme weather conditions pose significant hazards to the manufacturing industry, with icy, snowy, and wet surfaces around facilities creating dangerous walking conditions. Slippery terrain increases the risk of slips and falls, which are among the leading causes of workplace injuries.

- **Indoor and Outdoor Solutions:** Spiked and spikeless options for icy outdoor and slip-resistant indoor use.
- **Diverse Range:** Mid-sole, heel-stop, and full-foot designs for various needs.
- **Footwear Versatility:** Fits industrial boots and casual shoes for any environment.
- **Award-Winning:** Recognized for excellence in winter safety products.
- **User-Centric Design:** Enhanced comfort and functionality from professional feedback.
- **Durable and Reliable:** Built to withstand harsh conditions and ensure long-lasting safety.

WORK SITE AREA



HAZARDS & RISK



MORE TRACTION SOLUTIONS



DUE NORTH ALL PURPOSE

- Superior grip (12 tungsten carbide spikes per pair)
- Easy on/off and flexible fit
- Ladder-friendly



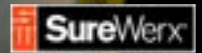
DUE NORTH GRIPPRO SPIKELESS

- Spikeless for grip on ice and snow without damaging indoor surfaces
- Easy on/off and flexible fit
- Ladder-friendly



K1 SERIES SAFEGRIP

- Provides maximum grip on slippery surfaces covered in water, oil, grease, soap, and more
- Special tread pattern channels liquids away while increasing foot contact with the ground



LIFTING EQUIPMENT AND TOOLS

Faulty tools in manufacturing can cause shocks, malfunctions, and injuries from debris or breakage. Regular inspection and maintenance are vital to ensure safety and prevent accidents.

- **Trusted Legacy:** Decades of expertise in premium heavy-duty equipment.
- **Extensive Range:** Wide product lineup, from jacks to shop equipment.
- **Built to Last:** Durable, safe designs with heavy-gauge steel and overload protection.
- **Nationwide Support:** Hundreds of service depots across the U.S. for reliable maintenance.
- **Customer Focused:** Commitment to quality, safety, and exceptional service.

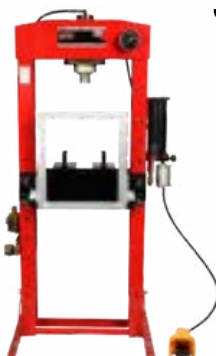
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HAZARDS & RISK



MORE LIFTING EQUIPMENT & TOOLS



SHOP PRESS

- Heavy-gauge, fully welded steel frames.
- Smooth lateral head movement for versatility.
- Multiple bed height configurations for ease of use.
- Includes pressing plates and adapter sets.



WORK BENCH

- Built with heavy-gauge steel for durability and stability.
- Ample surface area to organize tools and parts efficiently.
- Additional storage: Under-bench shelves provide extra capacity for versatile use.



SWIVEL BENCH VISE

- Class 30 iron castings with 30,000 lb. tensile strength ensure longevity.
- Hardened steel jaws, including built-in pipe jaws, provide secure clamping.
- 360° Rotation: Swivel base with dual lock-down handles allows versatile positioning.