

THE

March 2023

UTILITYSOURCE

Products and Services for Today's Electric, Telecom, and CATV Utilities



**Milwaukee® Improves
Productivity for Linemen
with the Fastest Way to Crimp**

**IronCraft PHD Post Hole
Augers Quickly Bore 6, 9
or 12-inch Holes**

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PUBLISHER

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

ASSOCIATE PUBLISHER

Steven Goodwin
205-624-2181
steve@handfmedia.net

ADMINISTRATIVE DIRECTOR

Steven Hobson
steven@tipsmag.net

EDITOR

Brandon Greenhill
brandon@handfmedia.net

CREATIVE/ WEB DIRECTOR

Jacklyn Greenhill
jacklyn@handfmedia.net

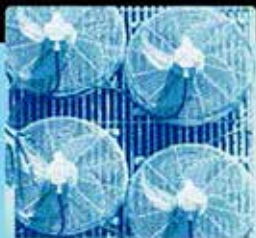
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www.theutilitysource.net
info@theutilitysource.net

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IronCraft PHD Post Hole Augers Quickly Bore 6, 9 or 12-inch Holes

IronCraft, LLC (“IronCraft”), formerly branded Titan Implement, introduces the PHD series post hole auger which bores hole of 6”, 9” or 12” up to 45 inches deep. Strong and durable construction makes digging post holes for fence posts and other applications fast and easy, while replaceable bolt-on cutting edges maintain productive boring speeds throughout the life of the implement. Shear bolt driveline protection prevents equipment damage when an immovable object is encountered. Ideal for tractors from 25-65 PTO HP, this robust model is compatible with most Cat 1 and Cat 2 three-point tractor hitches. IronCraft PHD Post Hole Augers are ideal for use on farms and ranches, vineyards and orchards, parks and recreation departments, municipalities, government agencies, and anywhere that fence posts or other hole boring is required.



PHD Post Hole Augers are stocked in IronCraft’s Athens, Tennessee factory and are available through their nationwide dealer network. Each PHD is warranted for a full year.

IronCraft LLC, was formerly branded as Titan Implement. The company was purchased by LFM Capital which plans major capital expenditures over the next 24-months at the Athens, Tennessee factory as well as other southeastern, TN locations including a paint booth, laser cutting, robotic welding, and more. In addition, other initiatives to support the post-purchase experience include online parts look-up, service manuals, training resources, and adding more product support locations across the country.

About IronCraft, LLC

IronCraft, LLC, founded in 2014 under the Titan Implement brand by the Turner family, is a leading manufacturer of agricultural implements and skid steer attachments catering to a variety of applications such as agriculture, landscaping, light construction, and more. Based in east Tennessee, IronCraft offers an extensive range of rotary cutters, rotary tillers, box blade scrapers, grader blades, landscape rakes, disc harrows, and skid steer attachments. For more information, please visit www.ironcraftco.com

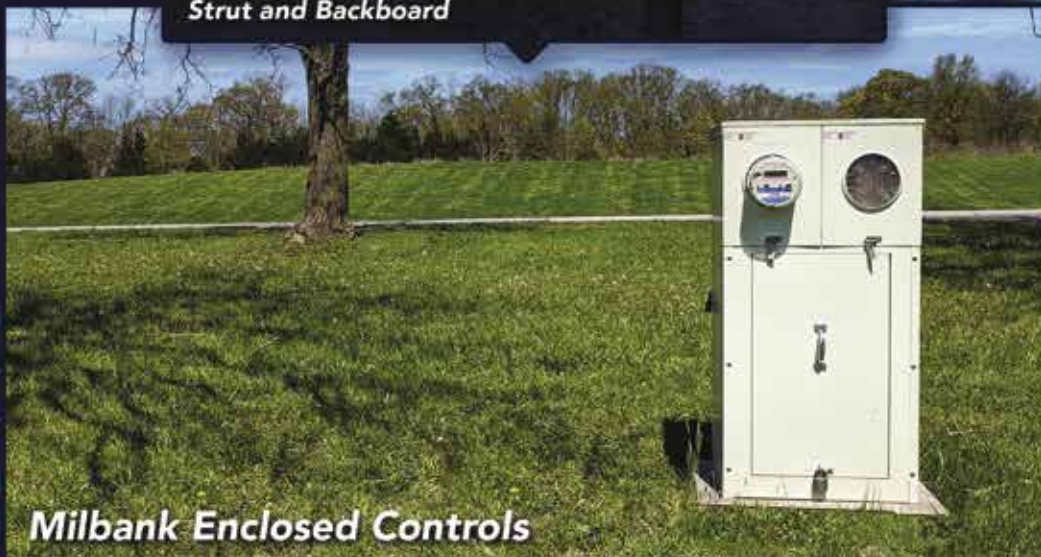


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Renewable Lubricants presents patented Bio-Ultimax™ 1500 Dielectric Hydraulic Fluids for power utility aerial buckets, scissor lifts, towable air compressors, and other stationary or mobile utility equipment where high dielectric (>35 kV) insulating properties are desired. Available in ISO 22, 32, 46, and 68 weight formulas that meet or exceed ASTM D877 specifications. They perform well in low- and high-pressure hydraulic systems that require Anti-Wear (AW), anti-rust, anti-oxidation, anti-foam, and demulsibility properties. These readily biodegradable biosynthetic formulas have oxidation performance comparable to full synthetics, yet they are safe for employees and the environment, so they help companies achieve their sustainability goals. Bio-Ultimax™ super high Viscosity Index (VI) fluids are proven in systems up to 10,000 psi and in systems

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with ultra-fine filtration. Available in 1- and 5-gallon pails, drums, totes, and in bulk, they are ideal for use in all types of hydraulic systems where dielectric properties are desired, including utility bucket trucks, scissor lifts, towable air compressors, hydraulic vane, piston and gear-type pumps, and more

To ensure performance and long life, Renewable Lubricants developed the stringent IsoGreen filtration standard which meets or exceeds the Rexroth pump guidelines for hydraulic fluids. Non-toxic, zinc-free formulations contain no heavy metals. In addition to enhancing performance, Bio-Ultimax™ helps companies achieve their sustainability goals.

With a higher VI than synthetics (Energy Conserving Formulas), Bio-Ultimax™ 1500 has improved thermal shear stability and increased load capacity. Their extremely low volatility increases the flash and fire safety features, making them safer to use. A direct replacement for mineral oil based hydraulic fluids, Bio-Ultimax™ is ideal for hydraulic systems where low toxicity, biodegradability, and non-bioaccumula-

tion properties are required.

With patented antioxidants (Stabilized™*), these biosynthetics provide improved performance in oxidation stability over standard plant/vegetable/HETG and unsaturated HEES type fluids. They are highly inhibited against moisture and rusting in both fresh and sea water, and pass A and B sequences of the ASTM D-665 Turbine Oil Rust Test. Formulated to provide a longer seal life with reduced oil leakage, this environmentally friendly, zinc-free product meets or exceeds high-pressure pump requirements.

Very little wear was encountered in field studies and in accelerated pump tests using biobased formulations in Denison T-5D, Vickers 20VQ, 35VQ-25 (M-2950-S), and V-104C (ASTM D-2882), Vickers I-286-S pump stand tests and pressures and temperatures ranging from 2000 to 3000 psi and from 150° to 210°F. Anti-wear performance exceeds requirements for US Steel 126, 136, and 127, load stage 10 in the FZG (DIN 51524 part 2 and 3 - HLP/HVLP), Parker-Denison HF-O/T6H20C, HF-1, HF-2, Eaton-Vickers M2950-S (35VQ-25) and I-286-S (V-104C), Rexroth, Sauer-Sundstrand, and GM (LS-2).

Bio-Ultimax™ Hydraulic Fluids meet and exceed Federal Specifications for machine tool hydraulic systems, especially those of EDM machines, and can replace specification MIL-PRF-17672E for ground support equipment (is this accurate?). It meets EPA 21013 Vessel General Permit (VGP) guidelines for Environmentally Acceptable Lubricants (EALs) and should be used in hydraulic systems where low toxicity, biodegradability, and non-bioaccumulation properties are required.

Renewable Lubricants, Inc. began as a research and development company in 1991, developing high performance products that would directly replace petroleum-based products. Starting from a single corn-based engine oil developed in the inventor's garage, the company now offers more than 250 products and has over 100 worldwide patents. They manufacture their products as environmentally friendly as possible without sacrificing performance. For more information on Renewable Lubricants, Inc., contact Benjamin Garmier at (330) 877-9982, or info@RenewableLube.com, or visit www.RenewableLube.com •



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Milwaukee® Improves Productivity for Linemen with the Fastest Way to Crimp

Milwaukee Tool continues to expand their M18™ crimper lineup with the new M18™ FORCE LOGIC™ 12T Latched Linear Crimper. Designed for power utility distribution, substation construction, and commercial electrical applications, this 12T crimper delivers linemen, underground cable splicers, and commercial electricians the fastest way to crimp by offering increased speed and control in application. Featuring an ergonomic design and instant pressure verification technology, this addition to Milwaukee's FORCE LOGIC™ lineup ensures users the fastest connections in all elements.

The M18™ FORCE LOGIC™ 12T Latched Linear Crimper offers the lightest, most balanced inline design to deliver users maximum control. Structured with a centered, balanced grip to allow one-handed use in multiple orientations, the crimper features an enlarged trigger and electronic release button to enable both left- and right-handed users to easily activate the tool while wearing thick Class 3 gloves with-

out changing hand position. The quick-release and push-to-close style latch pin can be easily opened or secured with just one touch, while the head of the crimper features a 340-degree rotation. Delivering faster resets on consecutive crimps, AUTO-DUMP™ technology automatically retracts the crimper once pressure is fully reached. With optimized ergonomics and design, users are provided more versatility in accessing a variety of jobsite applications.

Predictive Force Monitoring (PFM™) technology delivers the fastest crimp speeds across all connector types and sizes while also ensuring full-pressure crimps. Prior to application, a pre-crimp battery check confirms that the battery has enough charge to complete a full crimp. Once the application is complete and full pressure is reached, a green LED light instantly verifies after every cycle, improving user confidence, precision, and efficiency. Equipped with a POWERSTATE™ Brushless Motor and REDLINK™ Electronics, the tool delivers the fastest

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connections in all elements by ensuring unmatched reliability on a jobsite's toughest climates. The crimper's ventless design and the sealed high-speed hydraulic system deliver consistent performance from -4°F to 140°F, driving maximum reliability and speed on the job site.

As an additional benefit, the crimper is compatible with ONE KEY™** which allows users to sync the tool wirelessly with their mobile device or desktop. With this technology, users can upload data and history to create custom reports to track the timing and pressure of every crimp, identify a tool's location, and utilize integrated tool security.

Milwaukee is committed to improving productivity by providing performance-driven and trade-focused solutions so users can perform an entire day's work on one battery system. The M18™ FORCE LOGIC™ 12T Latched Linear Crimper is fully compatible with the entire M18™ line, now offering more than 250 power tool solutions. For more information on the new M18™ FORCE LOGIC™ 12T Latched Linear Crimper: M18™ FORCE LOGIC™ 12T Latched Linear Crimper

*FORCE LOGIC™ is engineered to not only improve upon but fundamentally change the way high-force tools are used in the field. Through thoughtful design focused on workflow, each tool simplifies a complicated process to deliver the best user experience of its kind and the smartest way to work.

**ONE-KEY™ is the first digital platform for tools and equipment. By integrating industry-leading tool electronics with a custom-built cloud-based pro-

gram, ONE-KEY™ provides a new level of control and access to information that revolutionizes the way work gets done. The ability to customize, track, and manage through ONE-KEY™ fundamentally changes the way users interact with their tools.

Specifications:

M18™ Force Logic™ 12T Latched Linear Crimper - (2878-22)

- Style: Latched Linear
- Output Force: 12 Tons
- Length: 20.9"
- Height: 5.25"
- Weight w/o Battery: 13.1lbs
- Head Rotation: 340°
- Full Pressure Indicator: Yes
- Adaptive Pressure Control: PFM™
- ONE KEY™ Enabled: Yes
- Kit Includes: (1) M18™ Force Logic™ 12T Latched Linear Crimper (1) M18 2.0 Ah Lithium-Ion Compact Battery (1) M18 XC 5.0 Ah Lithium-Ion Battery (1) M12 and M18 Multi-Voltage Battery Charger, (1) Contractor Bag



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The built-in capstan switch automatically turns the puller on and off. Simply tug on the rope to start the pull and slack off the rope to shut it down.

Delivers dynamic performance in remote locations or areas where power is not yet available.

The high-capacity rechargeable battery is long-lasting and delivers maximum power. The Cannon 3K™ will even chew through a medium size run of 4 - 3/5 in 3" conduit with 4 - 90s 220' long in record time and still have half the battery life for your next pull.

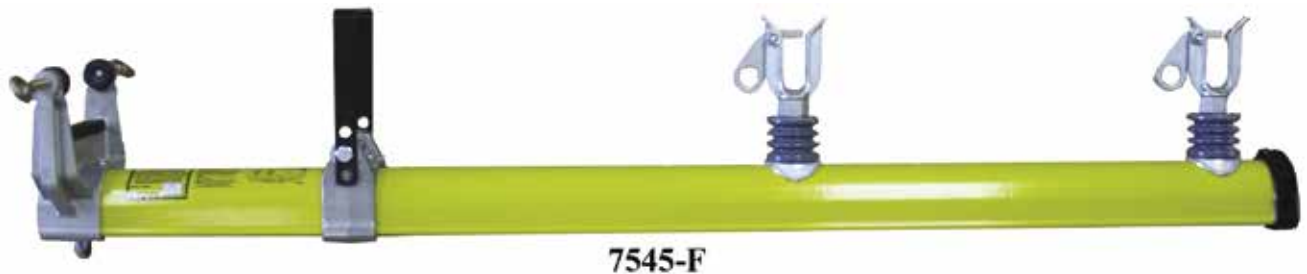
SCAN QR



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Hastings Offers Fiber Glass Extension Arms, Standard Round and Super 'U' Holders, and Retrofit Kits



An international supplier of hot line tools and equipment, Hastings produces hundreds of safety-focused products designed to increase lineworker safety and efficiency. The Fiber Glass Extension Cross Arms available with up to 2 Standard Conductor Holders or Large Capacity Holders. Retrofit Kits are available to convert existing extension arms to the Standard or Super "U" Arm configurations.

The fiberglass extension arms fit composite or wood cross arms up to 4.25 inches by 6.75 inches and are usable with Hastings' Round and Super "U" Extension Arms. Rubber grippers on the arms prevent damage to composite cross arms while casting trim on the end fitting provides protection on the bottom side of composite cross arms. Powder coating on the cross arm loop also prevents damage.

For more information about the Fiber Glass Extension Arms, the Standard Super "U" Arm attachments, and the Retrofit Kit, see page 309 of Hastings' online catalog.

Since 1959, Hastings has pioneered the design and fabrication of hot line tools to withstand today's toughest field conditions. With a passionate commitment to innovation, Hastings' products make the job safer and easier.

For more information, call 269.945.9541 or visit www.hfgp.com •



"As a safety professional, you always want your workers to have access to leading edge safety tools that improve safety and focus.

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The **A.R.C. Hybrid Cooling System** by **COOLSHIRT SYSTEMS** allows linemen 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
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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.

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.

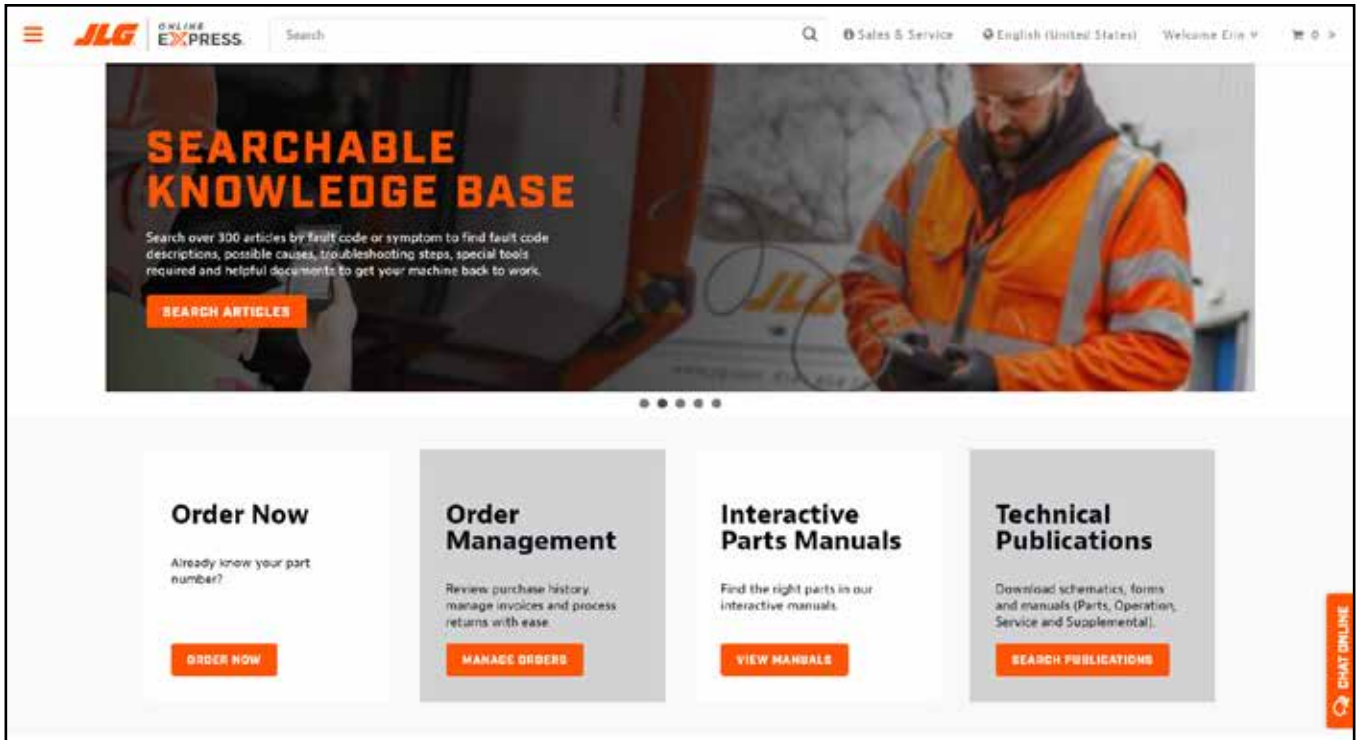


A.R.C. Hybrid Cooling System

2002-0017



COOLSHIRT
TEMPERATURE CONTROLLED GARMENTS



JLG Offers Searchable Knowledge Base Article Library with Online Express

More than 400 articles to troubleshoot machine issues by code or symptom

JLG Industries, Inc., an Oshkosh Corporation company [NYSE:OSK] and a leading global manufacturer of mobile elevating work platforms (MEWPs) and telehandlers, announces the accessibility of its Knowledge Base article library to rental companies and service dealers with an account in Online Express, the company's 24/7 customer portal. Knowledge Base offers technicians the ability to search through a library of more than 400 service-related articles, by Diagnostic Trouble Code (commonly known as fault codes) or symptoms, for troubleshooting machine issues.

"All of the articles are authored by the technical experts within JLG," says Travis Myers, JLG's director of customer support, "providing our channel partners' technicians with highly specialized information that they don't normally have convenient access to. Through Knowledge Base in Online Express, JLG offers valuable, service-related content in a simple, mobile-friendly format to increase efficiencies when troubleshooting common machines issues."

Searching by either codes or keywords, technicians can use Knowledge Base articles to diagnose possible causes, troubleshoot steps needed to resolve the issue, learn more about any special tools

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2
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3
Step 3: Snap in
Place



4
Step 4: Attach
Adapters



5
Step 5: Finish Job
in Record Time

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or parts that might be required to complete the work and review additional information that could be helpful in getting the equipment back to work.

According to Myers, JLG is constantly adding new content, including more articles, imagery to show where components are located, detailed parts drawings and schematic clips, to enhance technicians' experience within the Knowledge Base library. "All of the information shared on Knowledge Base helps make troubleshooting simpler," says Myers. He adds that JLG also collects user feedback on each article's effectiveness and makes changes based on that insight. For example, he says, JLG

provides links to frequently searched articles and helpful navigation filters to make sure technicians can find the articles they need quickly.

"Our vision for Knowledge Base is to create a global online community of service technicians and content contributors committed to driving machine uptime and decreasing total cost of ownership. It is one more way that JLG leverages its industry expertise and leadership to provide the best possible experience with our equipment and services," Myers concludes.

To access Knowledge Base, rental companies and service dealers can sign into their Online Express accounts or go directly to the library by clicking on onlineexpress.jlg.com/knowledge. To register for an Online Express account, visit onlineexpress.jlg.com/user-registration.

For more information on JLG products and services, please visit www.jlg.com •



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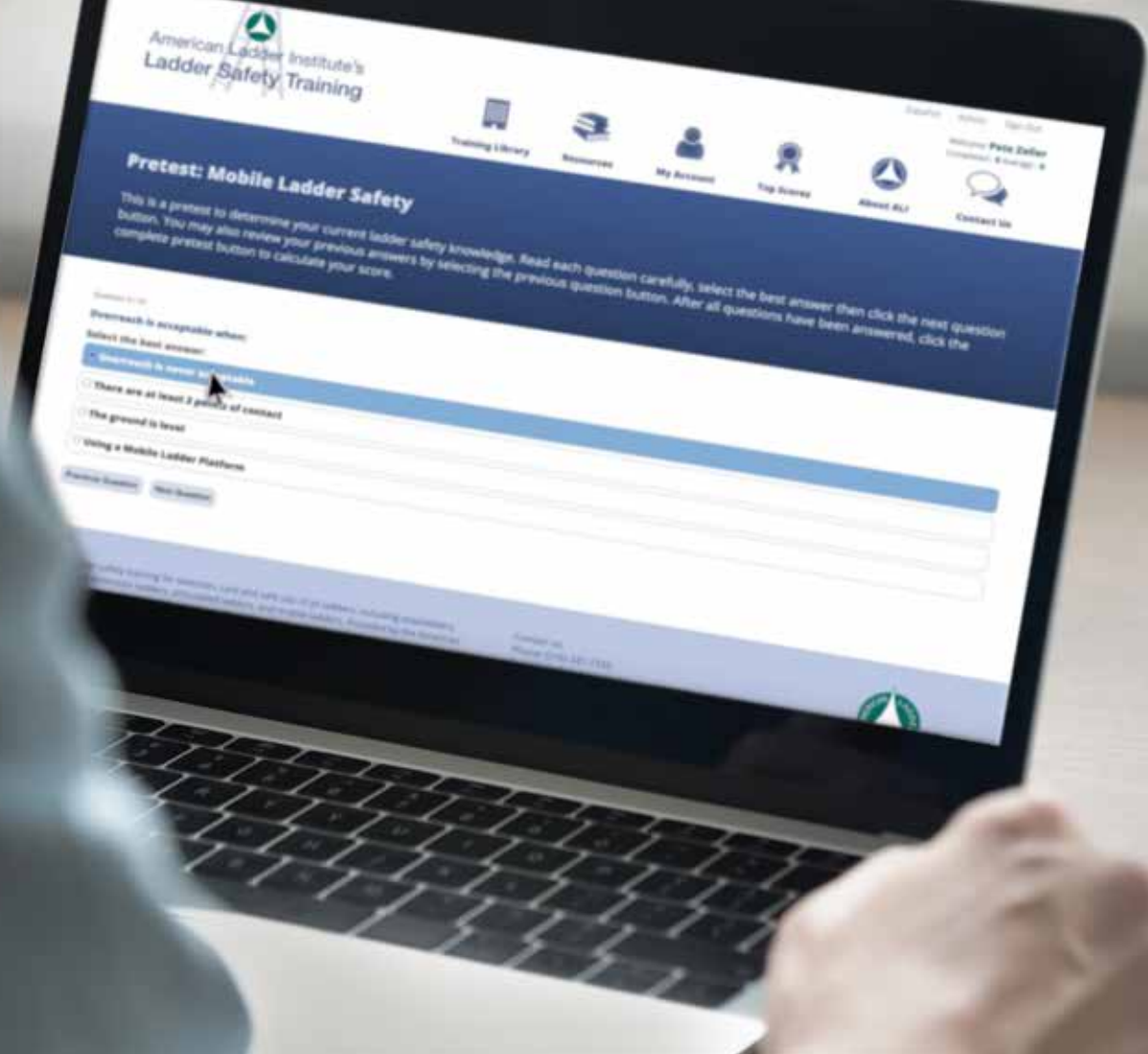
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The ‘Golden Jewel’ of Safety Training

How Ladder Safety Training Works All Year Long for Retail Learning Institute

One of the aims of Ladder Safety Month is to increase the number of people taking Ladder Safety Training from the American Ladder Institute (ALI). That, of course, is an effort that is not confined to a single month; it continues all year long, every year. One of the ways ALI has extended its ladder safety message, and gotten more people into Ladder Safety Training courses, is due in part to far-sighted adopters of the curriculum like the Retail Learning Institute (RLI).

RLI is a people development organization supported by The Coca-Cola Company, dedicated to providing learning resources for food retailers worldwide. As an educational organization, it serves more than 15,000 businesses in 19 countries with blended training programs that include more than 500

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industry-specific online courses divided into different categories: onboarding, compliance, departments, managers, and specialized series.

In 2019, RLI added the American Ladder Institute's Ladder Safety Training to its compliance curriculum. It has quickly grown to become the institute's "golden jewel," according to Ana Velazquez, RLI's learning solutions director.

"Ladder safety training is one of the courses we recommend all clients add to their employee training," said Velazquez. More than 300 organizations have incorporated the course into their regular employee training, and more than 10,000 people have taken at least one ladder safety training course from ALI.

The courses help keep employees safer by teaching them the proper way to use ladders. They also protect employers, providing proof that they have made the training available and that employees have completed it.

RLI develops most of its courses in-house and has exceptionally high standards for courses developed from outside sources. "When we choose to partner with another organization to provide training content, we make the decision based on quality of content and the credibility of the partner," said Velazquez. "We want experts in their field like the American Ladder Institute."

Ladder Safety Training from ALI is fully incorporated into RLI's course offering, so employees never have to leave RLI's learning management system to take courses, which are offered for articulated ladders, mobile ladders and platforms, single ladders and extension ladders, and step-ladders. RLI also operates sister training services geared toward independent grocers and general retailers, and ALI's Ladder Safety Training is offered through all of them.

"The American Ladder Institute has done a great service for us by providing this quality training content," said Velazquez. "We want to offer it to as many people as possible, which is why we make it available across all our training platforms."

About the American Ladder Institute

Founded in 1947, the American Ladder Institute (ALI) is a not-for-profit trade association dedicated to promoting safe ladder use through ladder safety resources, safety training, and the development of ANSI ladder safety standards. ALI also represents the common business interests of its members, who are comprised of the leading ladder and ladder component manufacturers in the United States, Mexico, and Canada. National Ladder Safety Month, observed each March and spearheaded by ALI, is the only program dedicated exclusively to promoting ladder safety, at home and work.

www.americanladderinstitute.org/ •



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