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### **UTILITYSOURCE**

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

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## ALL Family of Companies New Purchase Will Be Largest Crane in Fleet

Power-packed, 1,200-ton Liebherr LR 11000 arrives in spring

Next spring, the ALL Family of Companies takes delivery of what will immediately become the largest crane in its fleet. The Liebherr LR 11000 lattice boom crawler boasts a 1,200-ton capacity and 551 feet of main boom. It's expected to be in high demand across multiple markets served by ALL due to its versatility. It's suitable for all types of work including infrastructure, wind power, and industrial construction, and maintains strength even in constricted working conditions.

"As wind towers have gotten taller and plants have become more sprawling, the need for a big crane with high capacities and extended reach has become clear," said Rick Mikut, ALL's crawler crane division manager. "The Liebherr LR 11000 offers exactly what these and other customers have been looking for."

Mikut adds that the crane's high capacity allows it to easily accommodate load restrictions standard in many sectors. "Even at 50% to 70% of load, the LR 11000 offers plenty of capacity to make the big lifts," said Mikut.

The crane is loaded with features including infinite adjustment of the suspended ballast using V-frame, the hydrau-





lically adjustable folding frame, and VarioTray detachable ballast system that saves the need for stacking and unstacking on a job. The LICCON2 computer control system delivers easy handling, monitored erection mode, and extended set-up facilities.

Another available option for ALL customers is Liebherr's P-boom system, which further increases lift capacity. A second lattice boom is mounted parallel to the other at the bottom and merged together at the top to form one single boom.

The Liebherr LR 11000 is scheduled to be delivered to ALL late spring 2022. With transport weights that can be reduced to 45 tons and a transport width of 11 and a half feet, it will easily deploy across ALL's North American footprint.

#### About ALL

The ALL Family of Companies is the largest privately held crane rental and sales operation in North America. Their strategically located branches have access to one of the world's largest and most modern fleets, operating under the ALL, ALT, Central, Dawes and Jeffers names. ALL provides rental, sales, service and jobsite analysis, helping to ensure that customers have the right equipment for the job. For more information, contact ALL Erection & Crane Rental at 4700 Acorn Drive, Cleveland, OH 44131. Phone: 216-524-6550. Toll free: 800-232-4100. Fax: 216-642-7633. On the Web: www.allcrane.com



DEWALT announces the launch of the new 60V MAX\* Brushless Cordless 7-In. FLEXVOLT® Grinder with Kickback Brake™ (DCG440B) and 20V MAX\* XR® Brushless 3-In. Cut Off Tool (DCS438) at FABTECH® 2021 Conference. These new product offerings provide professionals the tools they need to get the job done.

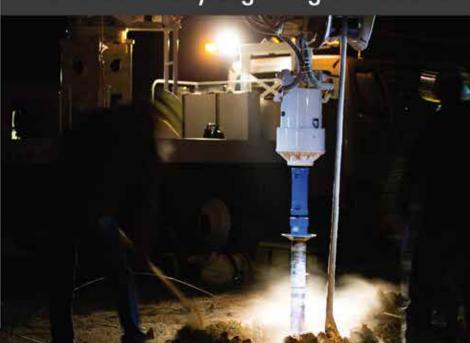
Designed to power through heavy-duty grinding jobs with ease, the new 60V MAX\* Brushless Cordless 7-In. FLEXVOLT® Grinder with Kickback Brake™ delivers 30 percent more torque than the DCG418 60V MAX\* FLEXVOLT® Grinder\*\* and up to 2,300 max watts output. Featuring up to a 7-In. grinding capacity and a no-load speed of 6,500 RPM, the grinder is ideal for wire brushing as well as general grinding and cutting during metal and concrete applications.

Built with user protection top of mind, the grinder is part of the DEWALT PERFORM & PROTECT™ line of tools and features the E-CLUTCH® System as well as a Kickback Brake™. PERFORM & PROTECT™ tools are designed to provide a high level of one or more of the following: control, dust containment or low vibration, without sacrificing performance. The brake brings the wheel to a halt once the trigger is released while the E-CLUTCH® System immediately shuts down the motor when a pinch or stall is detected. The Kickback Brake™ incorporates both of these features, activating in the event that a pinch or stall occurs, engaging the brake at maximum force and shutting the tool down; effectively reducing the force towards the user.

The new 20V MAX\* XR® DEWALT Brushless 3-In. Cut Off Tool is designed to cut a variety of materials such as metal, drywall, fiber cement, plastic, tile and stone. With 550 max watts output\*\*\*, a no-load speed of 20,000 RPM, a 3/8-In. arbor and 0.79-In. max depth of cut, the cut off tool is ready to handle many applications across the trades. The cut off tool has both forward and reverse capability and includes a removeable dust shroud with adjustable shoe and AirLock™ connection allowing for convenient attachment to DEWALT extractors (sold separately). In addition, the unit includes a 7/16-In. arbor adapter ring and three wheels: a Bonded Abrasive Wheel, a Diamond†Multi-Material Wheel and a Diamond† Tile Wheel. Lastly, the unit comes outfitted with a tool free adjustable guard, onboard wrench storage and LED light.



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Both the 60V MAX\* Brushless Cordless 7-In. FLEXVOLT® Grinder with Kickback Brake™ and 20V MAX\* XR® Brushless 3-In. Cut Off Tool are TOOL CONNECT™ Chip Ready (DCE042 sold separately) and can be tracked virtually on the jobsite via the DEWALT TOOL CONNECT™ Site Manager app. Each comes standard with a three-year limited warranty, one-year free service contract and 90-day money-back guarantee.

The 60V MAX\* Brushless Cordless 7-In. Grinder FLEXVOLT® with Kickback Brake™ will be available kitted (DCG440X2) with two 60V MAX\* FLEXVOLT® batteries (DCB609) for \$499 MSRP or as a bare tool (DCG440B) for \$259 MSRP. The 20V MAX\* XR® Brushless 3-In. Cut Off Tool will be available as a bare tool later this year where DEWALT products are sold. For more information on DEWALT products and solutions, visit DEWALT.com.

\*Maximum initial battery voltage (measured without a workload) is 20 and 60 volts. Nominal voltage is 18 and 54.

\*\*DCG440 using DCB609 battery has 30% more torque when compared to DCG418 using DCB609 battery.

\*\*\*DCS438 tested with DCB203 battery.

†This blade uses manufactured diamonds engineered for cutting.

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#### Improving Construction Safety, One Video Frame at a Time

Mikrotron Camera Analysis of Fall Arrest Systems Helps Prevent Construction Industry Injuries

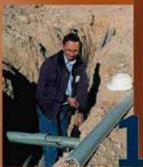
Falls are the leading cause of death in the construction industry, averaging about 300 fatalities annually in the United States alone. To protect these workers, fall arrest systems are required where the risk of falling cannot be entirely eliminated by other safety measures.

Fall arrest systems come in a variety of designs and are subject to rigorous performance testing. To investigate the effectiveness of different system designs, the Professional Association Institute for Occupational Safety (Berufsgenossenschaftliches Institut für Arbeitssicherheit) near Bonn, Germany,

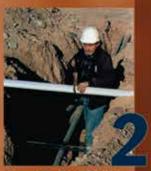
recently conducted a study using anthropomorphic dummies that revealed potential failings in several safety harnesses during a simulated fall arrest. These dangers concerned mainly shoulder straps slipping, along with sternal and dorsal attachments causing injury. The behavior of the harnesses during fall arrest depends significantly on their construction, especially on the arrangement of straps and attachment buckles.

Falls of the anthropomorphic dummy and the behavior of the harnesses during fall arrest were recorded using a Mikrotron Cube 7 Motion-BLITZ EoSens® camera set to 1024 x 1024 pixel resolution at 1410 framesper-second. Its Dynamic Range Adjustment feature allowed research-





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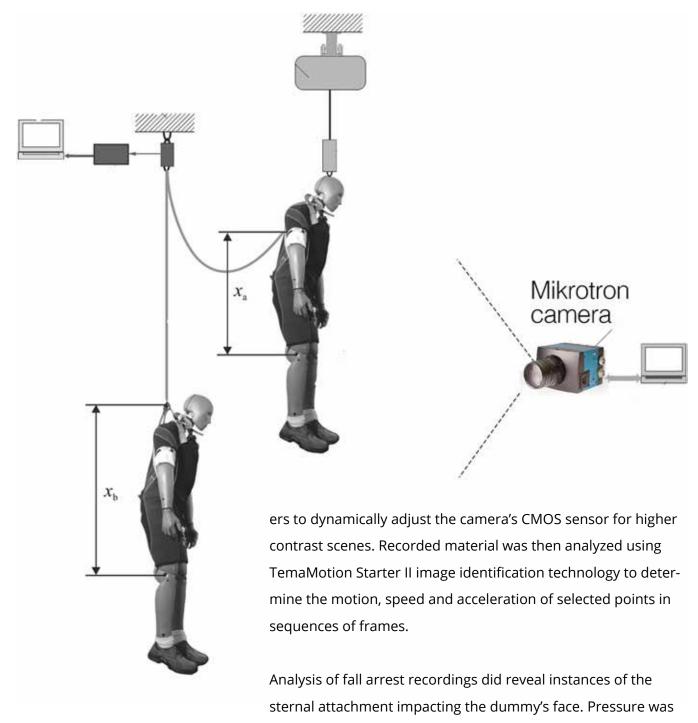


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exerted on the dummy's neck and head as a result of the dorsal D-ring sliding upward along the shoulder straps. In some models of harnesses, the steel buckle traveled along the shoulder straps causing the straps to tighten around the dummy's neck and head, and potentially injuring the face area.

The majority of safety harness tests are conducted following the methods stipulated in international safety standards calling for the use of a rigid torso dummy, instead of an anthropomorphic dummy which more closely simulates human response. The researchers at Berufsgenossenschaftliches Institut

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für Arbeitssicherheit believe that the rigid torso dummy is insufficient for a comprehensive evaluation of harness performance and their safety parameters. Considering the significance of the results obtained, the researchers expect to continue testing for other dummy positions, such as head down, head inclined sideways and positions causing rotation, using the Mikrotron camera. The study of such cases will allow the development of better criteria for assessing safety harnesses and improving their overall design.

#### About Mikrotron GmbH

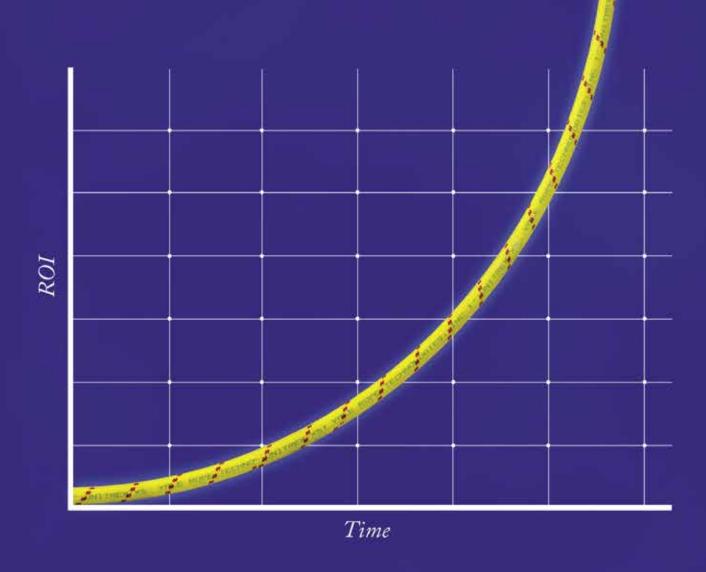
Mikrotron GmbH, established in 1976 and located just outside Munich, Germany, provides a full range of high-end imaging solutions for challenging applications in industry, engineering, science and sports. The company designs, produces, and commercializes high-speed and high-resolution cameras, image recording cameras and systems, software and image processing components. Mikrotron's slow-motion recording enables customers to optimize manufacturing processes, improve product design, revolutionize quality management and analyze motion. Mikrotron is ISO:9001 certified. Mikrotron is operated as a business unit of Lakesight Technologies, and is part of TKH Group NV.

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## Eriez® Oil Belt Skimmers Now Available with Special Belts for High Temperature Parts Washing Applications

Eriez® Surface Oil Belt Skimmers feature an oleophilic (oil attracting) belt that hangs into the sump where it removes free-floating tramp oils. Two models and four belt options-- including a special belt for high temperature parts washing applications--are now available.

The Oil Skimmer squeezes oil between rollers, a method of stripping the oil from the belt that does not require scraping. This skimmer is designed for use on large machine tools with tanks deeper than two feet. The Oil Skimmer Jr. is designed for machine tools with shallow tanks.

Both the Oil Skimmer and Oil Skimmer Jr. models can be equipped with a timer, so the unit runs only when the machine is idle and tramp oils have risen to the surface. "For added convenience, the Oil Skimmer Jr. now comes with a magnetic mount," says Eriez Fluid Recycling Product Manager Ron Wendt.

Eriez has offered the Oil Skimmer and Oil Skimmer Jr. for more than two decades. Wendt reports the company has sold thousands of standard units and



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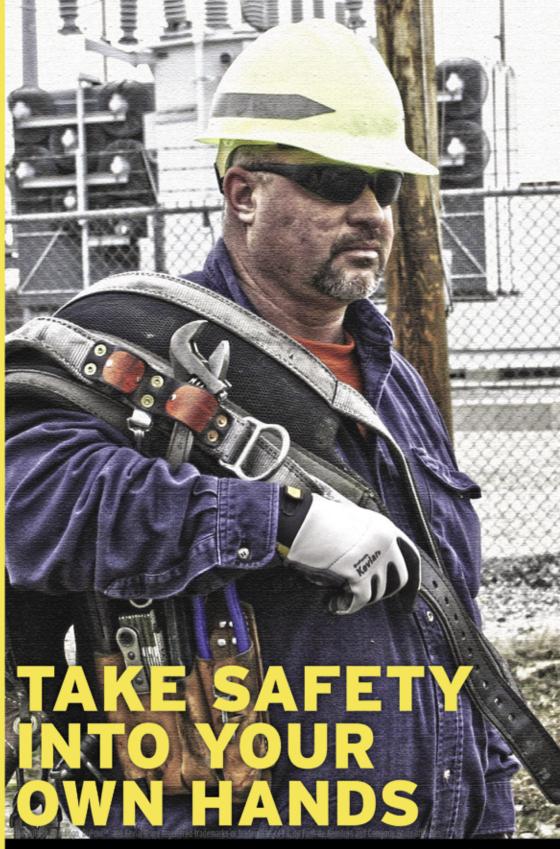
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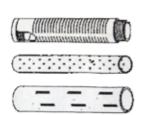
tens of thousands of the Jr. design. "Customers keep using them for a very long time and just replace the belts when they wear out," Wendt explains.

For more information about the Oil Skimmer, Oil Skimmer Jr. and additional tramp oil removal solutions from Eriez, visit http://erieznews.com/nr560.

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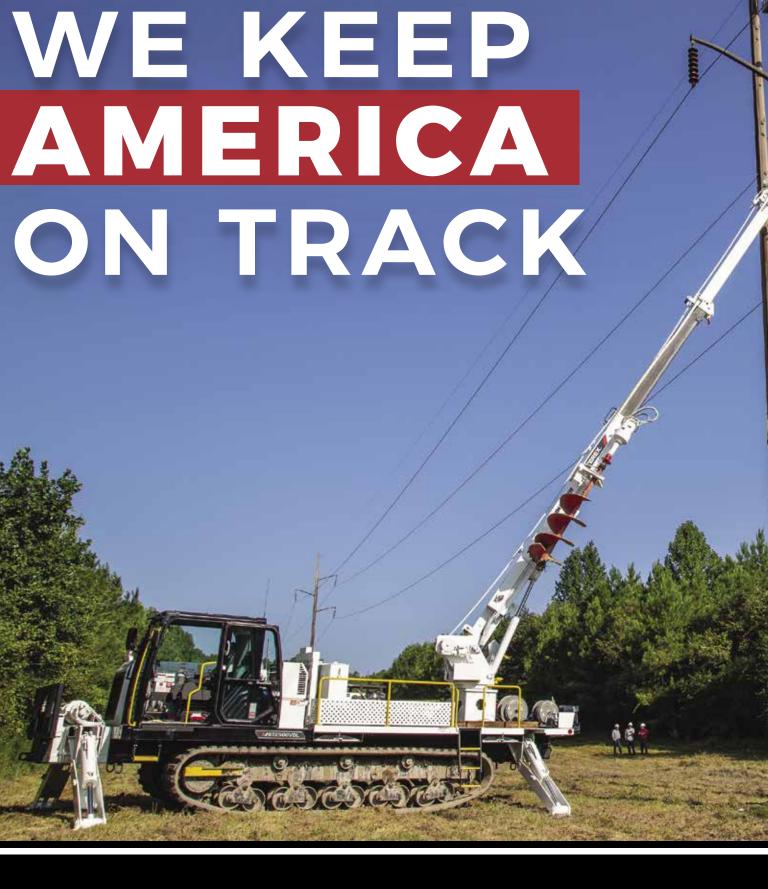
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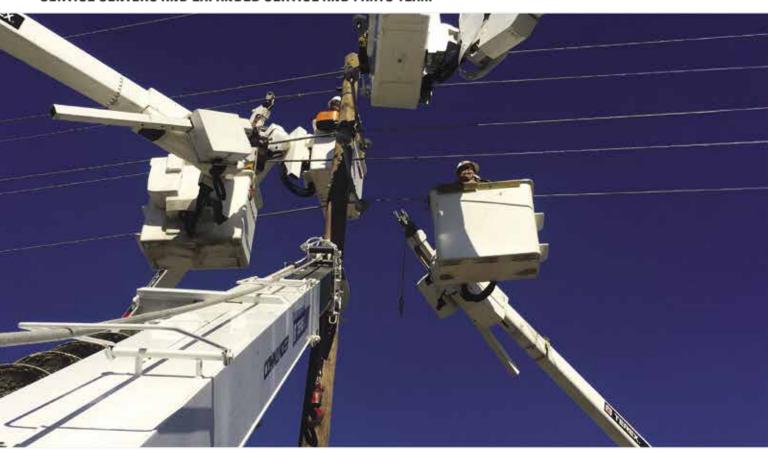
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