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October 2015

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All These Years**

**Rayco Unveils 4  
New Prototypes**

**SIMPLE UNDERGROUND  
INSTALLATION OF  
WIRE, CABLE AND PIPE**

**Introducing the  
Scorpion 8.0**



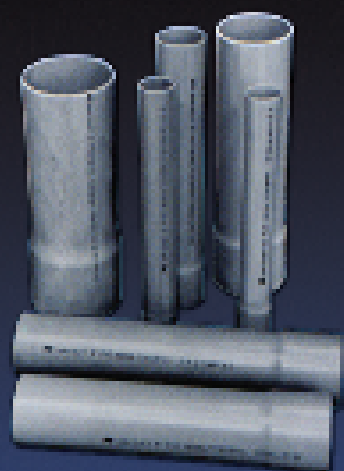


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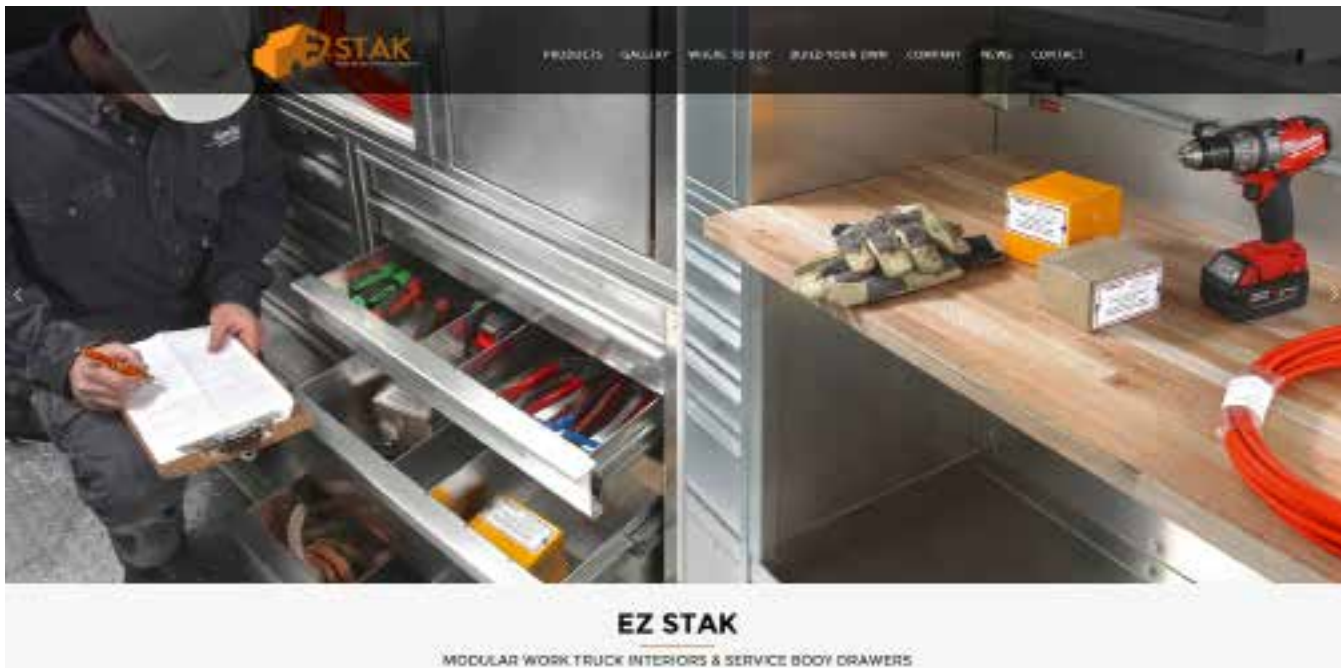
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## EZ Stak Unveils New Website Design

EZ STAK LLC recently launched their new responsive website that displays on mobile phones, tablets as well as laptop and desktop computers. The website showcases their modular work truck interiors that create organized, efficient and secure mobile work environments for service bodies, walk-in vans and van bodies. EZ STAK products include service body drawer systems, cabinets, lockers, workbenches, bins and shelving units.

EZ STAK's fleet vehicle upfitting products are used extensively by municipalities as well as large corporations in the utility, telecom, cable, oil and gas, and construction industries.

[www.ezstak.com](http://www.ezstak.com)

## ILSCO Purchases Surge Suppression Incorporated

ILSCO, a leading manufacturer of electrical connectors and grounding products, is pleased to announce the purchase of Surge Suppression Incorporated (SSI), a pre-eminent supplier of Surge Protection Devices (SPDs). This acquisition positions ILSCO to provide more complete solutions to customers' electrical needs.

With roots dating back to 1982, SSI has forged a position in the top tier of SPD manufacturers, establishing new standards for quality, service, performance and design creativity. SSI manufactures multiple lines of SPDs for both AC and DC power systems, as well as data and telecommunication systems from 5 to 7200 volts.

Andrew Quinn, ILSCO's President, sees SSI as a strategic addition to the company's portfolio. "Over-voltage protection is a logical next step in our company's strategy to broaden our electrical solution offering to the marketplace," said Quinn. "SSI brings a strong history of innovation and safety along with the broadest range of SPD solutions in the market today. SSI's products represent a perfect complement to ILSCO's everexpanding line of grounding and bonding connectors."

[www.surgesuppression.com](http://www.surgesuppression.com)

## Work Truck Show 2016 & 2017

NTEA – The Association for the Work Truck Industry, will host The Work Truck Show® 2016 and The Work Truck Show® 2017 in Indianapolis, Indiana. Vocational truck fleet operators of all sizes, manufacturers, truck dealers and equipment distributors can attend North America's largest work truck event during the following dates:

The Work Truck Show 2016  
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## Over 40 Attend Terex Hands On Training Seminar

More than 40 people from around the world, including participants from Australia, Brazil, Chile, Peru and the United States, recently attended Terex Utilities' 37th annual Hands On Training seminar at the company's facilities in Watertown, S.D. on August 17-19. Representing 30 companies, the participants of this year's 3-day Hands on Training event gained valuable training on the proper operation and application of Terex® digger derricks, aerial devices and auger drills.

"Our annual Hands On Training program has truly evolved over the years," says Ken Vlasman, Customer Service Manager, Terex Utilities. "The program provides essential training on the operation and application of all the essential equipment utility contractors operate, from Terex digger derricks and aerial devices to cable placers and auger drills. We designed this event specifically for our customers and distributor personnel to participate and understand the proper operations of the equipment. In recent years, we've expanded the program to include support equipment offered by other Terex companies, including backhoe loaders and excavators. Participants gain valuable training on the equipment and applications needed to meet various jobsite requirements, as well as an in-depth understanding of different work methods and safety procedures."

[www.terex.com/utilities/en/service-support/training/index](http://www.terex.com/utilities/en/service-support/training/index) •



## Kyle Smith Promoted to Scott Powerline & Utility Equipment Account Manager

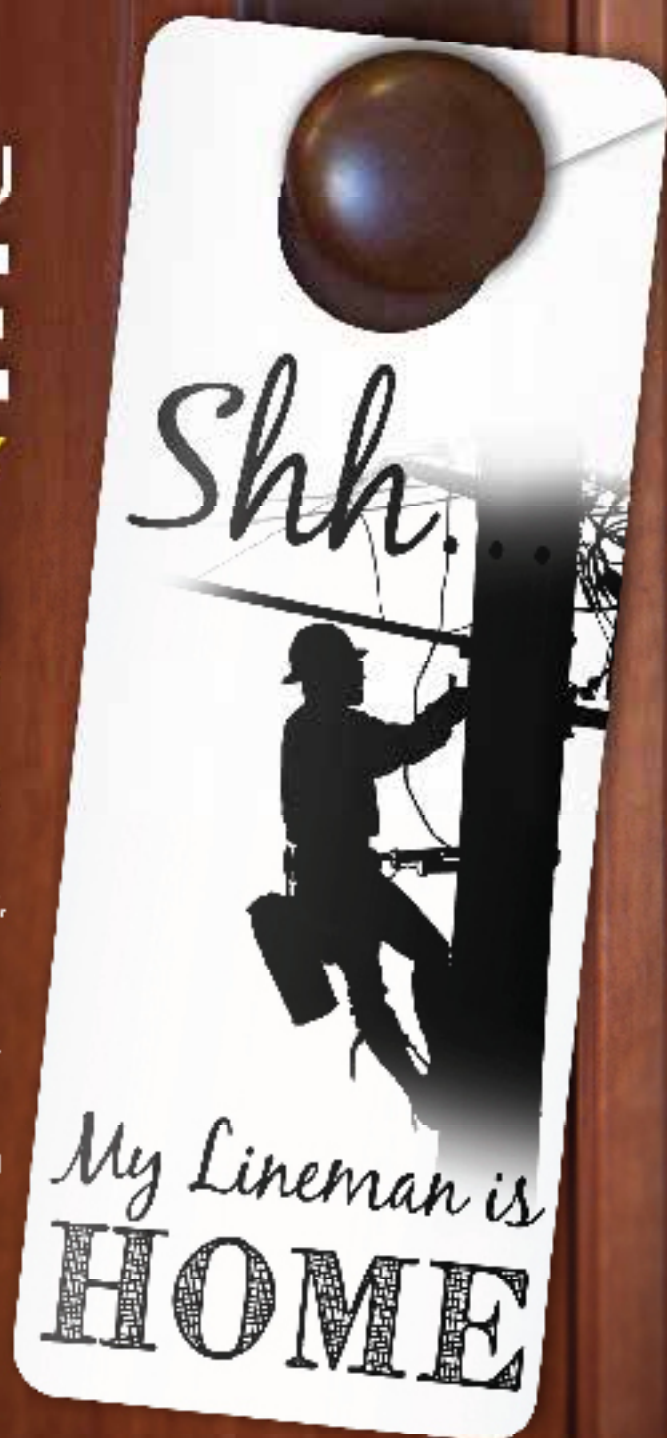
The management of Scott Powerline and Utility Equipment is pleased to announce the promotion of Senior Rental Coordinator Kyle Smith to Account Manager. As an account manager, Kyle will assume responsibility for maintaining much of recently retired Brian Covington's accounts as well as be charged with developing new customer relationships. Kyle joined the Scott Powerline team in 2010 as the rental coordinator and has performed very well as our customer base, rental fleet, and geographic footprint have rapidly grown. His experience at the rental desk and ability to work with both our customers and SPL team members will serve Kyle well in his new capacity.

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TUS INDUSTRY NEWS

RS MaxPatch Sectional Pipe Repair System  
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RS Lining Systems, LLC, the provider of RS Technik® pipe renewal and repair solutions in the Americas, announces it has formed a strategic alliance with HammerHead Trenchless Equipment, a Charles Machine Works company. This alliance provides for a single-source, full suite of trenchless pipe repair and rehabilitation solutions to RS Technik and HammerHead customers.

Rick Johnson, HammerHead interim president and CEO of Charles Machine Works, agrees. "Every RS Technik solution is fundamentally grounded in providing proven, effective and reliable alternatives to traditional pipe repair. Combine their products with our HammerHead HydraLiner CIPP line of installation equipment and consumables-not to mention our full line of pipe bursting equipment- and our customers have access to every advantage possible for restoring gravity and pressure sewer, water and industrial pipe infrastructures."

"It's exciting for us to be partnered with HammerHead," said RS Lining Systems' Senior Vice President Joanne Carroll. "HammerHead is a significant leader in the industry that provides trenchless solutions to effectively and economically address mounting underground infrastructure issues."

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# ICUEE 2015 Breaks Attendance Record with More than 18,000



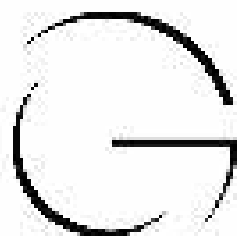
## Utility Construction Industry Gathers at “The Demo Expo”

ICUEE 2015, the International Construction and Utility Equipment Exposition, has set a show record as the largest ever with more than 18,000 registered attendees, and surpassing the last show by 13 percent. ICUEE 2015 ran September 29 – October 1, at the Kentucky Exposition Center in Louisville, Kentucky.

Registrants came from all 50 states, nine of the 10 Canadian provinces and more than 60 other countries worldwide.

The 2015 show set records for exhibit space and number of exhibitors. More than 950 exhibitors, including more than 250 companies new to the show, took more than 1.2 million net square feet of exhibit space to showcase their latest equipment and product innovations, and conduct numerous live demonstrations and hands-on opportunities.

“This is our most comprehensive ICUEE ever, and there has been tremendous enthusiasm and interaction among attendees



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and exhibitors from Day One, when the official Kentucky Derby bugler opened the show," said Show Director Sara Truesdale Mooney.

"Attendees are finding more companies, product innovations and product demos – plus quality networking with industry experts and peers that really increases the value of the show," said Mooney.

ICUEE is also known as The Demo Expo and is the largest event for the utility industry, owned and produced by the Association of Equipment Manufacturers (AEM). The show brings together industry professionals to gain comprehensive insights into the latest technologies, innovations and trends affecting their industry.

### New Features Enhance Show Experience

New Heroes Day (last day of show) to recognize the importance of utility professionals and salute military veterans with a benefit auction and other events.

New ICUEE Benefit Auction aimed at connecting military veterans with quality jobs, including in the utility/construction industry, with all auction proceeds going to The Call of Duty Endowment.

New Young Professionals networking event bringing together up-and-coming industry leaders to share ideas and build relationships for the future.

New Demo Derby app game and new Pedometer Challenge to enhance the show experience and networking, and help connect exhibitors and attendees.

Improved transportation upgrades, more places to relax and recharge and more information and wayfinding assistance to make it easier to get around at the show.

Hands-On Demos, Quality Industry Education

New to the show floor, the AGC Technology & Business Solutions pavilion and China exhibits pavilion joined fleet

# LEGACY OF SUCCESS



1965



2015



management, green utility and iP safety pavilions. The Ride & Drive test track (for on-road equipment and technologies) and indoor Demo Stage complemented the extensive in-booth exhibitor product demos.

ICUEE 2015 education focused on a broad scope of topics inspired by the industry's hottest topics and presented by industry experts.

Industry groups delivering education at ICUEE 2015:

Associated General Contractors of America (AGC)

Association of Equipment Management Professionals

(AEMP)

Common Ground Alliance (CGA)

Incident Prevention (iP)/Utility Business Media

National Commission for the Certification of Crane Operators (NCCCO)

North American Society for Trenchless Technology (NASTT)

Underground Construction Technology (UCT)

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# Hogg & Davis: More Rugged & Dependable After All These Years

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Longevity in business is a by-product of consistently doing things right and providing quality products and innovative solutions better than the competition. In the world of line construction, Hogg & Davis, Inc. is one of those businesses that has proven to be as “rugged and dependable” as the products they build.

Founded in 1947 as a partnership by Fred G. Hogg and Willard W. Davis, the company builds and designs specialized products for the construction of telephone and power lines. Incorporated in 1959, the company is still family-owned, with second and third generations managing operations. After forty-four years in southern California, the company relocated to Odell, Oregon in 1991, where it currently occupies a 50,000 sq. ft. manufacturing facility.

Hogg & Davis, Inc., was the first to design and introduce a self-loading, self-propelled cable reel trailer that was fully operational by one man. This unit also featured the first practical use of friction drive as the pulling force, creating up to 20,000 pounds line pull. Later models refined the process and produced more than 40,000 pounds line pull. The power, maneuver-

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ability and ease of operation of these units quickly established them as standards for many of the largest utilities in the nation. The latest models of these units, the HYDRA 985 and the HP 6500 are in current production.

The original product manufactured by the company was the Safety Pole Tongs that are still produced on a regular basis today. From that beginning, the product line has grown to a wide variety of line construction tools and specialized trailers.

#### Pole Tongs


Long recognized as the “standard” in the industry, Hogg & Davis, Inc. Safety Pole Tongs have proven themselves time and again in the areas of safety, durability and economy. Timbers or poles are held securely by the triple saw tooth arrangement and cannot slip while under load. Nylatron® pulleys ensure smooth operation of the trip line, which enables the crane, or hoist operator to load and unload poles without putting people in the “danger zone.” Utility companies have increased their pole handling efficiencies by as much as 50% with less labor.

#### HYDRA 985 “The Hydra Hog”


Line construction experts will tell you the highest costs of any job are in the “get ready” or set-up for a pull. Manpower and equipment required can eat up any job budget. That is why the self-loading, self-maneuverable HYDRA 985 beats the competition. Manpower is used efficiently and supporting equipment requirements are nearly eliminated.

The “heart” of the HYDRA 985 is the horsepower efficient hydrastatic drive system that can create in excess of 24,000-lbs. line pull. Electric/hydraulic proportional controllers smoothly guide the powerful hydrastatic transmission through its paces. The closed loop system provides full pulling pressure to the two-speed final drive motor, offering slow, inching capability to all-out brute force.

The transmission also drives an auxiliary



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All these components are engineered into a tight, compact unit that features economical use of hydraulic hoses and lines that is totally hooded for safety with hinged doors for easy maintenance and service. The power unit slides fore and aft on UHMW lined tracks, greatly reducing lubrication requirements.

#### HP6500 "Boss Hog" Hydrastatic Puller

The industry's requirement for a high-speed overhead stringer with a brute strength underground puller is now answered with the HP6500 Hydrastatic Puller. The concept of the single-reel, self-maneuverable cable reel unit has been proven time and time again over the past several years.

Now the HP6500 adds the additional speed and power required for the most difficult jobs. Its unique power train features a diesel, 4 cylinder, water-cooled engine and provides "feather touch" electro-hydraulic proportional controls. Fine touch inching to all out brute force makes this the unit for all pulling jobs. Overhead wire speeds of zero feet per minute to in excess of six miles per hour, underground pulls from 0 to 40,000 lbs. line pull and one man operation set-up definitely prove its job oriented economy.


#### Complete Selection of Line Construction Tools

Today's catalog of products designed and manufactured by Hogg & Davis Inc., also includes Drum Pullers, Overhead Line Tensioners, Pole & Reel Dolly's, Cable Sheaves and Reels. Each item is created to meet strict criteria such as ease of operation, operator safety and efficiency.

More importantly is that Hogg & Davis Inc., builds machines that will endure many years of use. Ultimately, this results in overall lower operational costs due to reduced down-time for maintenance or repairs, and longer machine life before replacement. Utilities and line construction crews around the country can attest that Hogg & Davis Inc. slogan "Rugged Dependability" is more than just a corporate slogan it's why in due time, longevity becomes legendary.

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# SIMPLE UNDERGROUND INSTALLATION OF WIRE, CABLE AND PIPE




Underground installation of cables, wire, flexible conduit and piping can be a difficult job if you do not have the right equipment. A trencher or vibratory plow has been the traditional tool of choice for this purpose. Today, you have an alternative to consider that may be a much better investment for you in terms of more versatility and more efficient installation. Add to those benefits easier machine maneuverability and minimal environmental damage (so there is less remediation to the work area) and you have an all-round underground line-laying miracle worker.

The L2 Line Layer from Line Ward Corporation accomplishes all of these things in a simple compact unit. The L2 offers several interchangeable blade options depending on the product being installed whether wire, flexible pipe, conduit or even fiber optics. The L2 Line Layer also allows easy maneuverability and provides more accurate depths for underground installation.

The L2 utilizes a unique, trenchless, reciprocating cutting blade motion similar to an industrial sewing machine. Unlike other underground installation methods, such as standard vibratory plows and trenchers, the L2 Line Layer's precision cutting blade produces a barely visible slit in the ground while simultaneously burying the desired lines.

Powered by a 23-horsepower Tier II Kohler engine, the L2 features a powerful yet fuel-efficient drive train. Installation speeds up to 120 feet per minute, and high transport speeds up to 140 feet per minute. Designed with a low center of gravity and balanced weight gives the operator easy maneuverability that allows the smallest turning radius available – approximately one foot – without any damage to the line cable being installed. The unique "Rocking Chair System" permits forward or backward tipping to allow underground installation close to buildings, pedestals or poles, eliminating costly, time-con-

A man wearing a yellow hard hat and a black polo shirt is operating a yellow tracked horizontal boring machine. The machine is positioned next to a large tree trunk. The machine has a black engine, a yellow fuel tank, and a yellow frame. It is mounted on a black track system. The background shows a yellow house and green foliage.

### Horizontal Boring: BA2C Boring/Drilling Attachment

Horizontal Boring allows the underground installation of pipe, wire or conduit under surfaces without cutting or disturbing that surface. There are a variety of machines to do this type of job varying in cost from a few hundred dollars to hundreds of thousands of dollars. Line-Ward's BA2C Horizontal Boring unit is an attachment that transforms the L2 Line Layer into an efficient horizontal boring machine. The BA2C was designed for the installation crew who needs to install lines under driveways and sidewalks encountered on day to day installations.

Attaching the BA2C boring unit when needed is simple, fast and requires no tools. It utilizes a rugged gear reduction box to transfer power from the 23HP Kohler Engine to the 5' long drilling rods. The unit includes 30 feet of rods that easily snap together, allowing for horizontal boring of most driveways encountered. Two drilling heads are included, one for normal ground conditions and one with carbide teeth to work through tough, rocky ground.

Using the BA2C Horizontal Boring Attachment requires two people. While one person operates the machine, a second person guides the boring rods with the use of a rod guide. The horizontal boring rods are designed to be flexed or directed in order to ensure an accurate bore. Once the rods have drilled under the surface, the retriever bit can be used to compact the hole and pull wire or pipe back under the surface while extracting the rods.



suming hand labor. All these features allow the L2 to work in tight or confined areas where other vibratory plows can't work.

Line Ward Line Layers were first designed for the installation of buried telephone service drops in 1972. During the movement to put utilities underground rather than overhead, there was a need for equipment that could efficiently bury small lines in established lawns without disturbing the existing lawn and landscapes. With its 26 inch width, rubber tracks and innovative blade system that cuts through the yard similar to a large sewing machine, stitching in the wire as it goes, Line Ward quickly won over customers in the telephone industry.

The company's reputation in the telephone industry carried over to the growing CATV market in the 80's. Cable TV operators and contractors alike found that Line Ward machines could help their industry grow by allowing them to install their service drops in the established lawns of customers without the damage that trenching and other underground installations cause.

With the current movement to build fiber optic networks for internet, telephone and CATV, the fiber to the home (ftth) can be a challenge. Laying the fiber to the home can easily be accomplished with the L2 Line Layer either by direct burying the fiber or installing conduit for the fiber to be pulled through. Either technique allows the installation to be efficient and neat, reducing follow up restoration.

The L2 Line Layer offers utilities and contractors an alternative tool choice for underground installations that is efficient in its purpose, and allows for a variety of jobsite uses. Basing the machines costs analysis on production capabilities versus overall costs, the L2 Line Layer could be your single best equipment investment.

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# Rayco Unveiled 4 New Prototypes at ICUEE 2015





At the 2015 International Construction and Utility Equipment Exposition (ICUEE), Rayco Mfg. unveiled 4 new machines aimed at utility, right-of-way maintenance, pipeline, and construction industries. "We've been working very hard to respond to the market," said J.R. Bowling, Vice President at Rayco Mfg., "Customers have been asking for these new models and we couldn't wait to show them off at the ICUEE Show." Among those new products displayed in the Rayco booth:

#### C100 Mulcher On Rubber Tires:

There are some mulching applications that just don't require tracks. For those customers, the C100 on rubber tires offers a unique solution. The rubber tire C100 offers its user all the features of the purpose-built C100 mulcher but in a 4-wheel drive version that rides on 43-inch diameter rubber tires. "This machine delivers more power to the mulcher head than any skid steer, rides on larger diameter tires, has more ground clearance, and is built for the rigors of forestry mulching," says Bowling. The C100 rubber tire mulcher features Rayco's exclusive cooling system, which utilizes an elevated cooling package mounted in the limbriser to increase cooling capacity for both the engine and the hydraulic system. "This cooling package not only allows the machine to stay cool in hot climates, but also extends service intervals so the operator doesn't have to stop working to clean the radiators."

#### C200 Mulcher

The new C200 mulcher is the next phase in the evolution of Rayco's C-Series mulchers. Building on the success of the C160, the C200 features a high-track steel undercarriage and side entry cab. But the draw to the C200 is the performance of the powerful 200hp Isuzu 5.2L diesel engine and the new dual-drive Predator mulcher head. "Having 200hp in a mulcher this size is a game changer," says Bowling. "We have awesome cutting power and the machine is compact enough to work in right-of-ways as well as in land clearing operations. There's really nothing else out there like it."

#### RCT110 Crawler Truck

After nearly 2 years in the Crawler Truck market, Rayco has offered a 3<sup>rd</sup> model to the lineup. The RCT110, with a carrying capacity of 11,000lbs, fits between Rayco's RCT80 (8,000lb payload) and RCT150 (15,000lb pay-




load). The RCT110 is powered by a 99hp Kubota diesel and comes in 2 versions, rubber tracked or steel. The rubber track version rides on 24-inch rubber tracks and the steel tracked version has 20-inch steel. The RCT110 can be equipped from the factory with dump beds or flat beds and can also be customized to carry specialty devices such as drilling rigs, aerial devices, and digger derricks.

#### Telescopic Mechanical Trimmer

"We are excited to unveil the prototype, mechanical tree trimmer at the ICU-EE Show," said Bowling. "We're doing things with this machine that the market hasn't seen from the established players and we think the utility right-of-way contractors are going to respond favorably." Rayco's trimmer offers features not commonly found in the market. For starters, it rides on 28-inch wide rubber tracks allowing it to cross roadways without marking asphalt. The cab is comfortable and features heat, a/c, and a high backed suspension seat. But what separates Rayco from the competition is the telescopic boom, a.k.a. the Big Stick, capable of reaching 90-foot trimming heights. The Big Stick is constructed of non-conductive fiberglass and reaches a full 15-feet higher than competitors. The massive 30-inch saw blade rotates 45-degrees, allowing the operator to cut without leaning the cab to the left or right. Cab tilt up/down can be controlled independently of the boom, to allow operators the freedom to select the best possible view of their work. Hydraulic push blades and winches are positioned at both the front and rear of the carrier and the machine is powered by a reliable 200hp Isuzu diesel engine.

For more information on Rayco Products, visit us online or call 800-392-2686 to speak to a representative.


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# Introducing the Scorpion 8.0



Cable pulling has long been a standard task throughout the utility industry. As a result, there are many choices of machines from quality manufacturers to choose from. In an established field of competition, if you want to compete with the established manufacturers you've got to create a machine that stands out from all others.

Enter the newest underground cable puller – the Scorpion 8.0 designed and manufactured by Envoltz in Bossier City, La. This game-changing underground cable puller offers whisper quiet operation and no maintenance. Just those two features alone should be enough to put the Scorpion 8.0 on the top of your list of cable pulling machines to consider.

The Scorpion is all electric and features an underground cable pulling capacity of up to 8,000 lbs. Powered by a rechargeable battery pack and an electric motor, the operating sound level is low, almost negligible during operations. This translates to a safer working environment for your crews because they can communicate more easily during jobsites. This also makes a perfect choice for those jobsites where noise levels can be a concern such as residential or hospital areas. The Scorpion is so quiet, in fact, that it was the only cable pulling machine being demonstrated indoors at the recent International Construction & Utilities Equipment Exposition.

Utilizing new technology throughout the design of the Scorpion 8.0 brings more capabilities to the jobsite such as GPS tracking, automatic data logs and wireless software updates. Manual and repetitive controls are replaced by intuitive user

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interfaces that programmatically solve problems. A display panel controls the Scorpion and can be used remotely up to 20 feet away from the machine which gives the operator options for better visual observation of the job at hand.

Compared to standard cable pullers, maintenance for the Scorpion is minimal. The large capacity rechargeable lithium NMC battery can be quickly recharged overnight with enough power for a full day of demanding work. The battery is maintenance free and never needs to be serviced. The primary components are electrical eliminating filters, oil changes and even hydraulic oil. Another benefit of using an electric motor to power the Scorpion is there are zero emissions.

Completing the package are LED lights used throughout, which blink during operation. The entire unit is under ten feet long and six feet wide. Total weight is only 4,500 lbs. Powered components include an automatic levelwind, powered rear boom and three electric jacks.

The Scorpion 8.0 combines a host of features in one compact, nimble machine. When you consider the overall number of features and the additional capabilities afforded by the newest – and updateable – technology, the Scorpion underground cable puller is in class by itself.

[www.envoltz.com](http://www.envoltz.com) •



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## New From Al Asher & Sons'- The TSE Cable Scraper

The TSE Cable Scraper is Al Asher and Sons' latest product innovation for 2015. Formerly known as OK Champion, the industry has long recognized the Cable Scraper as the go-to product for salvaging underground cable up to 4-inch diameter. The machine will pull, cut and load cable all day long in one continuous operation, saving countless man-hours and extra equipment. Equipped with a 24,000 lb. capacity boom take-up winch, set-up in a manhole or vault takes only minutes with deep penetration and infinite pulling angles, eliminating time consuming jigs and make-ready adjustments. Now you can purchase the TSE Cable Scraper with remote radio controls for the bed winch, which will digitally and effortlessly record pulling torque and speed values. Enhanced hydraulic circuitry improvements also are available to promote longevity and reduce heat and wear in the system. The bed winch operation features a new and vastly improved interwoven style of steel cable, which eliminates clogs and cross-overlay problems associated with rapid deployment in underground cable work. Asher stocks units for sale or rental throughout the USA.

[www.alasher.com](http://www.alasher.com) •

## Crysteel Mfg Unveils Redesigned A-Tipper Dump Body



Crysteel Manufacturing recently unveiled the newly redesigned A-Tipper Aluminum dump body. The Crysteel A-Tipper has been redesigned with minimum welds, innovative features, and a modern aerodynamic design.

The Crysteel A-Tipper is designed for contractors and municipalities that need strength, durability and lightweight efficiency. The A-Tipper offers significant strength and added safety with a strong crossmemberless understructure with 8-inch longills and a ¼ integrated, tapered cabshield. The efficient new design results in a weight reduction of 200 lbs per body. Lightweight aluminum also offers increased payload capacity, corrosion resistance and lower maintenance costs.

All Crysteel A-Tippers come standard with 3/16-inch aluminum construction, rigid sides with single panel reverse bend, tarp mounting provisions and integrated receivers, 6-inch board pockets, and LED lighting with one-piece wiring harness.

[www.crysteel.com](http://www.crysteel.com) •

## The M18 FORCE LOGIC Cable Cutter From Milwaukee



Developed to excel in the most challenging applications, Milwaukee's newest FORCE LOGIC™ Hydraulic Tool, the M18™ FORCE LOGIC™ Cable Cutter, will be available with both 750MCM Cu Jaws and 477 ACSR Jaws. With a compact open jaw, 350° Rotating Head and in-line design, the new product will redefine productivity for the Utility and Electrical Trades, delivering the fastest cuts in the tightest spaces.

"With several variables to consider, our users are constantly faced with the dilemma of which cable cutter to purchase. Smaller cutters are often underpowered for their application, while larger cutters are bulky, awkward and expensive," says Paige Bovard, Sr. Product Manager for Milwaukee Tool. "Milwaukee focused on solving these trade-offs, and has delivered two unique solutions that power through large diameter cable for the fastest cuts in the industry."

Featuring a compact open-jaw design, the M18™ FORCE LOGIC™ Cable Cutters can easily cut through 477 Hen ACSR, 750 MCM Copper and 1000MCM Aluminum in seconds without the need to latch or loop. This is especially important in commercial applications when users must complete a cut in very tight spaces like switchgear or panels.

[www.milwaukeetool.com](http://www.milwaukeetool.com) •

## Redesigned Sidewalker by HammerHead Trenchless Equipment



Installing short utility runs beneath landscaping, driveways and sidewalks can be done even more efficiently – and faster – with newly redesigned Sidewalker earth-piercing tools by HammerHead Trenchless Equipment. Both 2 ½- and 3-inch Sidewalker models received upgrades, which include the patented HammerHead quarter-turn Power Port® Reverse feature and patented Debris Free Tailcone. The 3-inch Sidewalker now has a uniform profile along its entire length, increasing striker size and boosting impact power.

As with other HammerHead models, the Power Port feature not only makes reversing the tool easier but also boosts impact power by up to 25 percent.

[www.hammerheadtrenchless.com](http://www.hammerheadtrenchless.com) •



## The P100E Power Pack by Akkerman

The P100E Power Pack was developed to provide contractors with an alternative to address regional requirements of the EPA's mandate for Tier 4 diesel emission standards. The P100E footprint is comparable to the diesel version in the Power Pack family, and equipped with all the same favored amenities with the added benefits of a low decibel noise level, simplified controls, and reduced maintenance.

The P100E is powered by a 100 HP (75 kW) motor to match the hydraulic requirements of our GBM jacking frames. The electrical motor allows contractors to capitalize on the unit's useable horsepower, nearly 30% over the diesel version, due to a higher input horsepower to the pump. The Power Pack's soft start feature makes it possible to couple the unit with a wide array of generators sizes, down to the recommended operating minimum requirement of 125 kW/150 kVa.

[www.akkerman.com](http://www.akkerman.com) •

## The Terex Crossover 8000



The Terex® Crossover 8000 is an 80 USt (72,5 t) capacity class boom truck that blends truck crane and boom crane designs to offer a 360-degree load radius that outlifts any other boom truck in North America. Featuring the same upper structure as the field-proven Terex® T780 telescopic truck crane, the Crossover 8000 boom truck offers almost identical load ratings throughout most lift situations, regardless if lifting from the front, rear or sides of the crane.

The Crossover 8000 crane boasts the same unique X-pattern outrigger design pioneered in the boom truck market by the successful Terex Crossover 6000 model. This outrigger design allows for enhanced all-around lift capabilities. This feature lowers the overall center of gravity and isolates the crane's upper structure from the truck chassis, reducing chassis torsion and extending its lifetime.

The X-pattern outrigger positioning also eliminates the need for the front stabilizer jack, typically required for boom cranes to counteract the weight of the engine when lifting. This decreases overall crane length and weight.

[www.terex.com](http://www.terex.com) •

## Industrial Strength WD40



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