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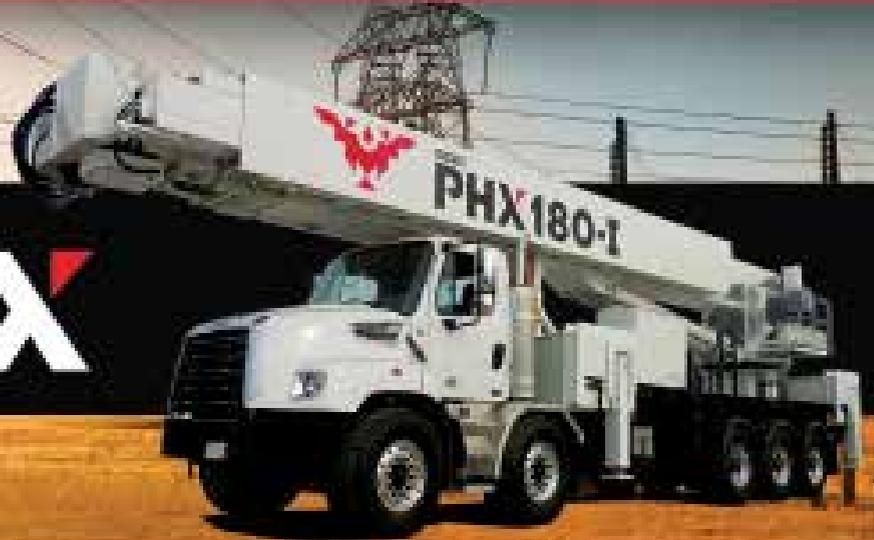
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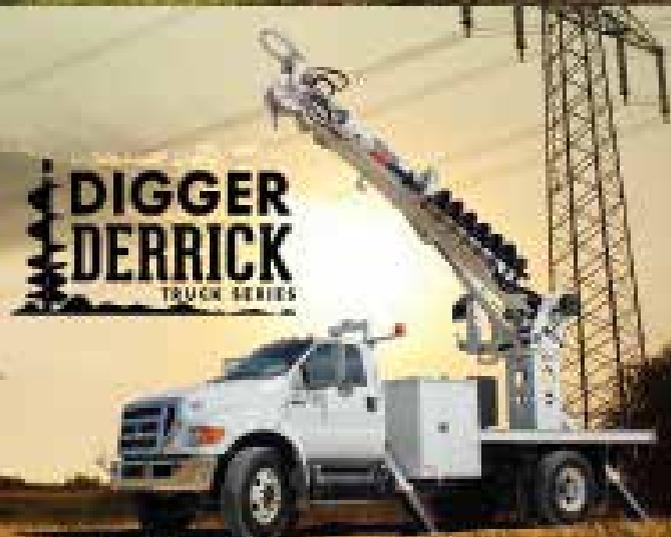
## EUFMC SHOWCASE

The world leader in aerial lift production for over 30 years, Versalift is dedicated to developing innovative solutions that meet the ever-changing needs of aerial industries. Last year, we introduced the cutting-edge Phoenix 180-1 and Skybird 215-1 transmission lifts to our already impressive fleet. The 907-7100-HD and Digger Derrick T & B series add to the diverse capabilities that Time Manufacturing has always been known for.

VERSALIFT  
 **PHX**



VERSALIFT  
**7100HD**



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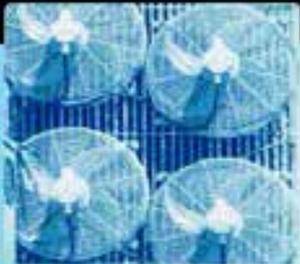
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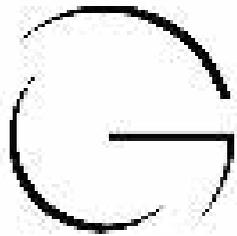
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## Mack Trucks Honored By Environmental Research & Education Foundation

Mack Trucks was honored by the Environmental Research & Education Foundation (EREF) for its long-standing support of the organization's work in funding research for sustainable waste management practices. Since 1997 Mack has sponsored EREF's Annual Charitable Auction, which raises funds for research and education to advance waste management technology and practices. EREF recognized Mack's ongoing support at the 2016 auction, which was June 7 at WasteExpo 2016 in Las Vegas.



Mack contributed three chassis models to the auction with truck bodies provided by equipment manufacturers in the waste management industry. Bidders could choose from a Mack® Granite® Axle Back with a Galbreath hoist, a Mack LR model with a Heil Odyssey HPP front loader and a Mack Terra-Pro® Cabover with a McNeilus front loader.

Winning bids for the three trucks accounted for more than \$800,000 of the \$1.6 million raised at the event. Since the auction was first held 22 years ago, EREF has received more than \$16 million to support its mission.

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

## Updates to NTEA.com

NTEA – The Association for the Work Truck Industry recently updated ntea.com to streamline the user experience and provide a responsive layout. The platform upgrade is specifically designed to elevate the look and feel of the site and simplify navigation.

“The new ntea.com gives us an opportunity to be more accessible to our membership and the industry at large,” said Steve Carey, NTEA executive director. “We are constantly seeking to evolve and enhance the access to our products and services, and this site reflects that commitment.”

Key changes include:

- Responsive redesign for mobile use
- Intuitive functionality
- Social media integration
- Improved member tools
- Refined search options

The site is now compatible with mobile devices; and functionality is better. The Member Directory is more comprehensive, with the ability to serve as a customized marketing tool; and site-wide search, Shop NTEA and JobLink are more straightforward and interactive.

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

## Takeuchi-US Awards Jimi Martin Top Sales Person of the Year



Takeuchi-US, a global innovation leader in compact equipment, has awarded Jimi Martin of Perimeter Takeuchi and Cobb County Tractor Co. (CCT) as the top sales person of the year and dealer of the year for their successful sales efforts in 2015.

The award marks the third consecutive year that Martin was recognized with the accolade after ranking No. 1 again in retail sales for North America. It also marks two of the last three years that CCT has received the award.

CCT achieved the top performance nationally in machine sales and market share. Steve DePriest, regional business manager at Takeuchi, and Kim Robinson, director of sales for Takeuchi, were on hand to present them with the awards.

CCT resides in Marietta, Georgia, while Perimeter Takeuchi, a division of CCT, is nearby in Buford, Georgia. CCT sells industrial and agricultural equipment. Perimeter Takeuchi serves the construction and landscaping industries, as well as offer parts and service.

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## Helly Hansen Beats the Boredom Out of Workwear with Modern, Professional-Grade Designs

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The construction industry consistently modernizes through new technologies, better-trained workers and improvements made in operational procedures, yet workwear, the most fundamental aspect of jobsite comfort and performance, has remained stale for generations. Heavy denim, cotton jackets and ordinary t-shirts continue to dominate worksites despite their inferior performance attributes and limited durability.

Norway-based Helly Hansen – the world’s most experienced workwear manufacturer – is determined to offer a better designed modern solution with its on-the-job clothing collection that helps workers stay comfortable and stand apart from the sea of ordinary. The concept is simple: if you’re more comfortable on the job, you’ll perform at the top of your game and head home with extra energy to commit to your personal pursuits. This concept is validated by the resort officials, D.O.T. crewmembers and various other trade workers who rely on Helly Hansen to keep them warm, dry and safe in temperamental climates.

Helly Hansen’s flagship Chelsea tradesman collection of jackets, pants, technical tees and vests gives workers a virtual shot of testosterone with its moto-inspired demeanor, reinforced everything and ingenious functional features.

# Deeper. Faster. Stronger.



Spiradrill hydraulic drilling rigs simply out perform the competition. With models reaching as deep as 100 feet and hole diameters up to 12 feet, Spiradrills bury other rigs. Efficient designs minimize setup time and truck-mounted rigs arrive on-site, ready to dig in. Ring Power offers the Spiradrill family on crawlers or trucks, with low clearance and EZ Trac options available.

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# WE HAVE THE ROPE TO GET THE JOB DONE.



Skip the AndroGel and slide on the Chelsea Construction Pant, possibly the manliest work pants on the planet. Designed for tradesmen, the lightweight yet burly cotton/poly blend trousers are fashioned with reinforced nylon, slots for kneepads, and built-in tool holsters that can be tucked away in the front pockets for a more casual look. This modern alternative offers freedom of movement, breathability, functionality and increased lifespan.

The complementary Chelsea Jacket is forged with the same cotton/poly blend and is comfortable straight off the rack. The jacket is detailed with nylon reinforcements on the shoulders, elbows, cuffs and hem, and has a soft, brushed polyester finish on the inside of the collar and cuffs – even the burliest of gents can appreciate a bit of comfort. Extra shoulder padding, multiple pockets, and a back expansion detail make the Chelsea one of the toughest, most functional tradesman jackets on the market.

“Typical workwear is about as boring as it gets,” said Filip Francke, Helly Hansen Vice President & General Manager – USA. “Helly Hansen is offering American workers something different that looks better without being ridiculous, and performs better in the field. The professional-grade collection helps workers stay and feel alive on the job so they can have a better life at home.”

Founded in 1877 by Norwegian sea captain Helly Juell Hansen, Helly Hansen has a history of innovation and nearly 140 years of trial, error and success in the workwear market. The manufacturer invented the first supple waterproof fabrics in its earliest days, introduced the first pile insulating mid-layers (the precursor to fleece) in the 1960s, and Lifa, the first technical, performance-oriented base layers in the 1970s. Helly Hansen’s Three Layer System of Dress was developed to maintain a dry micro-climate around the body, which creates a thermo-neutral zone.

Helly Hansen’s Workwear collection includes tradesman apparel, a HI-VIZ series, insulated jackets and rugged rainwear designed for the world’s toughest environments. The products are available for purchase through local retailers, as well as online dealers including Amazon, Work ‘N Gear, West Marine and Grainger Industrial Supply.

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



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## Efficient Mobile Workspaces

**Why is it so important to have an organized mobile workspace? One word – Efficiency.**

Field service providers both large and small depend on having everything they need at the jobsite along with having the ability to find parts or tools quickly. That means everything is organized and stored properly which adds up to dollars saved with more work being performed.

Getting the right configuration of interior storage components for your vehicles is very important. Consider your work patterns. What should be where in the truck. If there are a lot of small parts, drawers with egg crate dividers keep everything separated and easy to find. Larger parts or tools require adjustable shelving with dividers that can be placed to accommodate different sizes.

Bin Units provide a centralized location to store boxed parts and other supplies. They are ideal for items that are frequently accessed. EZ STAK Bin Units are available in convenient standard sizes and configurations. They also have smaller pull out modular bins that are designed to be removed so the technician can carry the bin of tools or parts directly to the job site. Since they are made using aluminum they are lightweight.

If it is an expensive tool or part that needs to be securely stored, a lockable cabinet with adjustable shelving is recommended. Fragile test equipment test equipment or component parts may need special storage drawers with dividers placed to keep them from moving in transit.

EZ STAK offers an Underbody Drawer Unit that provides an opportunity to easily store heavy equipment that the technician would normally have to haul in and out using the step bumper. This saves time, in addition to freeing up interior storage space.





Having the ability to perform repair or assembly work inside the truck and out of the elements adds efficiency too. A workbench with a vise, grinder, lighting and electrical outlets are a big plus. Cord reels can be placed at the rear of the truck to facilitate power tool operation outside the truck as well.

Larger fleets will specify a particular package that suits their specific needs. ComEd approached EZ STAK through their body builder/upfitter to engineer just that. Their package included multiple drawer units, adjustable shelving with dividers, multiple large lockable cabinets with internal adjustable shelves and a workbench with electrical outlets. They specify EZ STAK because their trucks are 20 year plus service vehicles and they want a durable product that lasts that long.

One handed latches on drawers are a plus for the service technician, especially when returning unneeded parts or tools to the drawer.

Having storage for protective gear or work clothes is also important. Lockers are perfect for this and can be ordered with ventilation holes to allow damp gear to dry.

Good interior lighting is very important and available LED lights are efficient and bright. Motion sensing switches will save time too. Exterior flood lights mounted on the side and back of the truck are essential if work will be performed at night.

If you have a steel service body, drawer modules can be purchased with different drawer heights,

widths and depths. Say you need two drawers for smaller parts, two for small tools and supplies and three larger drawers for larger tools and parts. You can custom configure each horizontal or vertical compartment with the right EZ STAK Service Body Drawer module. The available universal sliding top and mounting feet that raise the drawer up inside the compartment make it easy to install on any type of service body.

An important consideration for all upfit accessories is the overall rigidity and strength of each modular unit., that's why EZ STAK uses heavy gauge lightweight aluminum that lasts for years and is lighter than steel, which allows for increased parts and tools payload. Their drawers are supported by heavy duty ball bearing slides with latches on both sides to keep the drawer closed tight.

Pickups are becoming very popular with contractors and municipalities. Secure storage with the ability to retrieve tools and parts easily adds a lot of value. Full width single drawer, multiple drawers or over the wheelwell drawer units like the SIDEKICK have become popular upfits. The EZ STAK Weathertight MAX-40 provides the ultimate in protection for parts and tools.

Organization and ease of use yields maximum efficiency in a mobile workspace and it is also safer. A well thought out durable upfit package will pay huge dividends for years.

By Bruce Hardy, Marketing Manager at EZ STAK





# Ultimate GPR System for Utility Locating and Mapping

## UtilityScan. Pro

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

UtilityScan is the industry standard ground penetrating radar solution for the designation of subsurface utilities. With UtilityScan, users can quickly identify and mark the location and depth of service utilities – gas, communications, sewer lines – and other metallic and non-metallic targets including underground storage tanks and PVC pipes.

The UtilityScan Pro features the SIR 4000 control unit and is configurable to provide the flexibility to address a wide range of utility applications. The selection of the appropriate antenna and cart tailor UtilityScan beyond utility operation to address NDT and environmental applications, including bridge deck assessment and concrete scanning.

Regardless of the configuration, UtilityScan delivers exceptional data quality and rugged enough to withstand the job site's toughest conditions.

### Typical Uses

- Utility detection – metallic and non-metallic
- Environmental remediation
- Damage prevention
- Road inspection
- Geological investigation
- Archaeology and forensics

### Designate Targets

- Real-time data collection
- Back-up cursor and cross-hair cursor allow the user to accurately locate targets
- Multiple techniques to calculate depth of targets

### Premium Mobility

- Easy to transport
- Durable components tested to withstand the toughest conditions

### Integrated System

- Ability to store and replay data
- GPS integration

### Value

- Flexible system for concrete and bridge inspection applications
- Two-year warranty



*"GSSI UtilityScan GPR is easy to use,  
lasts a long time and works well."*

*Patrick Moulin, GPRS Atlanta*



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# New Ditch Witch Backreamers Improve Productivity for Utility Installation in Challenging Conditions



Ditch Witch, a Charles Machine Works Company, has released a new line of backreamers to help underground construction operators improve productivity in specialized soil conditions and installations.

The new models include the Sandhog HD (heavy duty), Swab and EZ backreamers. All models are designed with customer input in mind, job site efficiency and long life.

“When it comes to productivity in complex soil conditions, backreamers are key to a successful horizontal directional drilling (HDD) job,” said Jeff Davis, Ditch Witch product manager of HDD tooling and drill pipe. “We know the ability to pre-clean a path or quickly connect to a rig is often required. That’s why the latest models build on the Ditch Witch reputation for rugged, long-lasting design and are tailored to specialized soil conditions, improving an operator’s ability to efficiently install product.”

**Sandhog HD Backreamer:** Designed for sandy and soft soils, the triple-action Sandhog HD backreamer combines aggressive cutting, mixing and packing for more efficient pullback on the job. Bore paths in unstable soil conditions can often collapse or fill with material in the ground. This backreamer uses a barrel-shaped body to better sculpt a true-to-size bore path.



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SIDEKICK

Carbide cutting teeth and spiral plates further improve pullback efficiency and lower torque while maximizing the capacity for fluid flow. The crushed carbide provides longer life to the reamer and replaceable, hardened steel nozzles increase fluid flow flexibility.

The Sandhog HD backreamer is available in 2 3/4-inch shaft size with 2.0 IF threads and 3 1/4-inch shaft with 2 3/8 API threads, ranging in diameter from 8 to 18 inches. Compatible Ditch Witch HDD rigs include the JT9, JT20, JT25 and JT30.



**Swab Backreamer:** The Swab backreamer is specifically designed for rocky and hard soils, and enables direct pullback for Ditch Witch All Terrain HDD rigs. Material left in a bore can damage product when deployed in restricted spaces. This model effectively pre-cleans the bore

path by efficiently utilizing fluid flow and the carbide hard surface. Material removal also helps install product without enlarging the path beyond the pilot size. By eliminating the need for an expanded path, the backreamer saves on fluids and time.

The Swab backreamer is available in a 3 1/4-inch shaft with a 2.77 male thread size, and for a diameter of 5 1/2-inches. The model is compatible with the JT30 All Terrain HDD.

**EZ Backreamer:** For small-diameter installation jobs, the EZ backreamer combines ease of use with effectiveness. It was designed for direct connection to the EZ connect assembly, allowing operators to quickly change out tooling in a fast, safe and efficient manner. The model is equipped for use in soft to medium-hard soil conditions.

The EZ backreamer is available in a 3 1/4-inch shaft size with an EZ2 and EZ3 connection, ranging in diameter from 6 to 8 inches. Compatible Ditch Witch HDD rigs include the JT20, JT25 and JT30.

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DICA, manufacturer of SafetyTech® Outrigger Pads, has introduced a new product line designed for the high visibility needs of the electric utility and tree care industries.

“Yellow and orange SafetyTech outrigger pads have been available from DICA as a custom option for a number of years. With demand for these models continuing to grow, it’s the right time to add them to our standard SafetyTech line of outrigger pads,” said Kris Koberg, CEO of DICA.

### Features and Benefits

The high visibility color of yellow and orange provides a clear visual reminder to think and act safely when setting up equipment on outrigger pads. Further, both yellow and orange contrast with the ground and paved surfaces, reducing the potential for lost pads.

“For years, many tree care and utility companies have made DICA’s original D1818 and D2424 outrigger pads a standard fleet product because of their unbreakable and reliable performance. We’re excited customers are taking advantage of the additional benefits our high visibility options

offer," said Dick Koberg, Founder and President of DICA.

Made from DICA's premium engineered thermoplastic material, yellow and orange D1818 and D2424 outrigger pads are designed for stabilizer enabled equipment, which are common in electric utility and tree care application. The high visibility outrigger pads are available in 18x18x1 inch and 24x24x1 inch sizes. They are medium-duty models with strength capacity of 100,000 lbs. Like all SafetyTech outrigger pads, yellow and orange SafetyTech outrigger pads are backed by DICA's unbreakable guarantee.

The full line of SafetyTech outrigger pads, including heavy duty models, can also be special ordered with high visibility yellow or orange options. Additional lead times apply.

#### About DICA

DICA, Guthrie Center, Iowa, has been specializing in building a better outrigger pad since 1988. By creating engineered solutions for improving equipment stability and ergonomic safety, DICA is leading the way in product innovation for outrigger pads and crane pads.

DICA outrigger pads and crane pads are used in 38 countries and on 6 continents around the world in construction, maintenance, electrical utility, oil and gas and tree care as well as local, state and federal government agencies.

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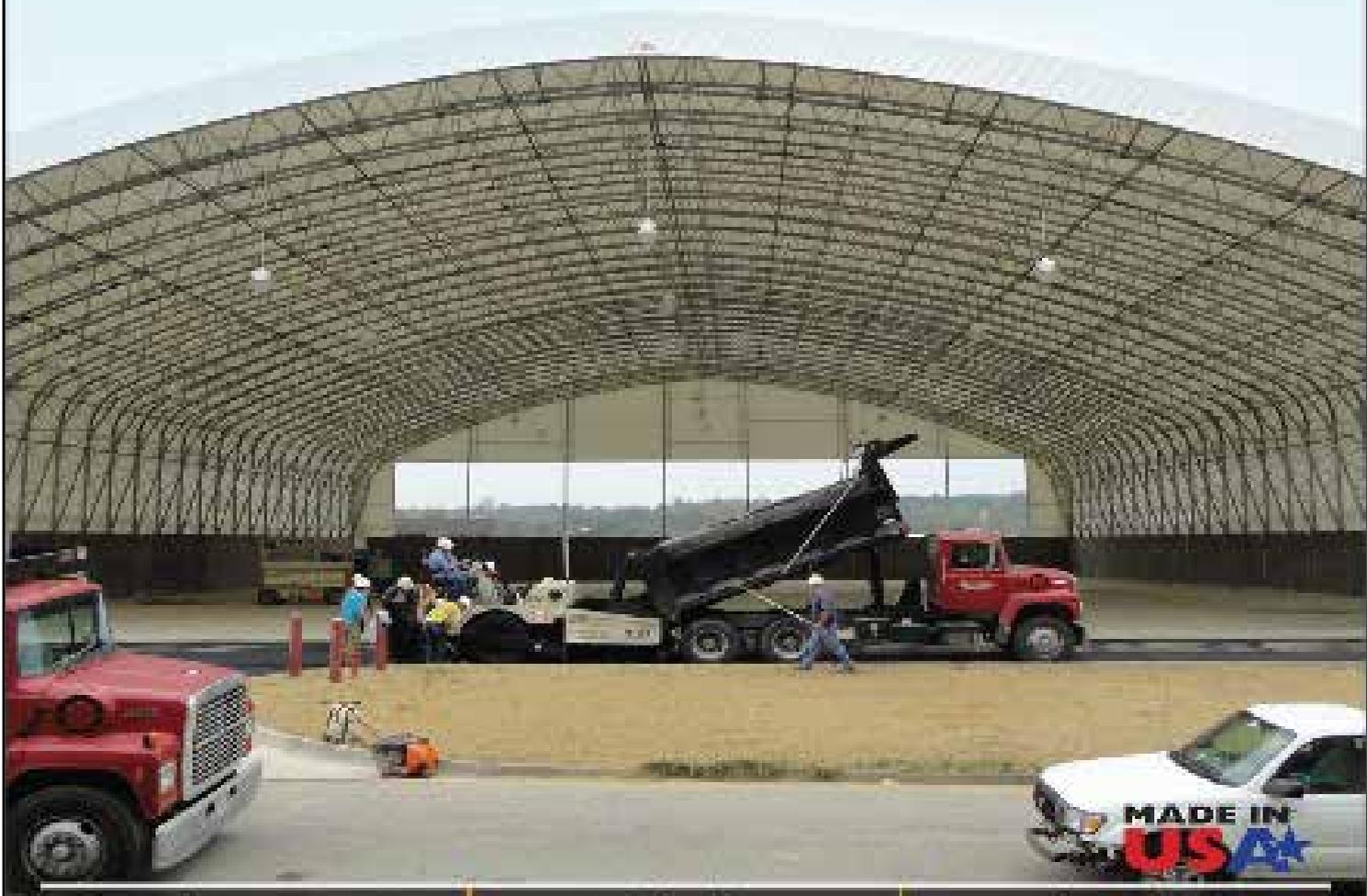


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## Big Tex Trailers Introduces the 10DF Pro-Series Drive-Over Fender Hauler

Big Tex Trailers is proud to introduce the all-new 10DF, Pro Series Drive-Over Fender Equipment/Car Hauler. The 10DF features a full width deck in front and behind the fenders as well as heavy duty 3/16" diamond plate steel drive-over fenders. Some additional features of the 10DF are:

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- 36" Cleated Dovetail with 4' Channel "Knee" Ramps
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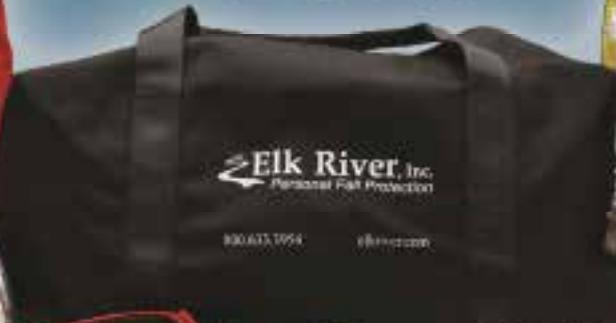


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## MAXIMIZER-3 Pickup Drawer Unit from EZ STAK



Pickups are very popular with contractors, municipalities and government agencies. With that being said, EZ STAK has focused on providing a mobile workspace storage solution that is both lightweight and durable. Manufactured with heavy gauge aluminum, heavy duty ball bearing drawer slides and a cargo rail mounted to anti-slip top surface. Each drawer has their EZ LATCH one handed drawer opening system. Single and dual drawer units are also available.

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

## Klein Tools Illumination Product Line

Klein Tools for professionals since 1857, launched its new Illumination line, including a headlamp (Cat. No. 56220) designed specifically for electricians. It features an anti-slip silicone strap that comes pre-adjusted to fit a hard hat. The lamp has a 45-degree tilt, and can be used in spotlight mode (150 lumens, six run hours) or floodlight mode (50 lumens, 10 run hours). It is also impact and water resistant.

“Most headlamps used on jobsites now are designed for activities like camping and hunting,” said Laura Ranieri, senior product manager. “They often include extra features like colored LED’s or strobe lights that electricians don’t use. We designed ours to include essential features used daily by electricians and uniquely secured it with a silicone strap which stays put and won’t stretch out.”

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



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## Atlas Copco's Compact Dynapac F1200C Asphalt Paver



Atlas Copco's compact Dynapac F1200C asphalt paver excels on a wide range of paving projects — from cycle paths, sidewalks, repair work, parking garages and sports fields — due to its high flexibility. The F1200C offers road construction contractors this flexibility with interchangeable working widths ranging from 4 to 10 feet, high material filling capacity and a high paving capacity of 330 tons per hour. The paver's V-screed ensures excellent paving results with superior compaction and high quality asphalt mat.

The F1200C includes multiple features that maximize mat quality. Its exclusive, Dynapac feed control system, for instance, eliminates material segregation and ensures continuous, uniform material flow through the paver with its four ultrasonic sensors and one of the industry's thinnest center chain box augers. The four sensors optimize both the auger and conveyor speed by measuring the material height and detecting gaps in the material.

The conveyor's 6-inch-wide chain box— the thinnest in the industry — ensures continuous, uniform material flow to the center of the screed. The paver's center line drive auger includes 13-inch diameter flights to eliminate centerline segregation by providing optimal material flow.

[www.atlascopco.us/usus/](http://www.atlascopco.us/usus/)

## Miller SkyORB Anchor

The new Miller SkyORB Overhead Rotational Boom Anchor provides a safe overhead anchorage that is designed specifically for use around vehicles, utilizing the vehicle weight to secure the anchor for proper fall arrest, eliminating the need for heavy and bulky counter weights. The SkyORB Anchor is a pre-engineered system that replaces the need for very expensive, custom engineered, fixed overhead anchor systems.

#### Features/Benefits:

- Provides the worker with an easy and quick connection with their fall arrest system while working at height.
- Designed to eliminate the need for heavy and bulky counter weights by utilizing vehicle weight to safely secure the system in place.
- Weighing only 1,050 lbs. (476 kg), it is significantly lighter than competitive systems on the market, making the SkyORB Anchor more versatile.
- The modular design is easy to assemble and transport only using a forklift.
- The adjustable telescoping mast allows the height of the system to be varied from 14 ft. - 20 ft. (in 1 ft. increments) to accommodate lower roofs and overhead obstacles.

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



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