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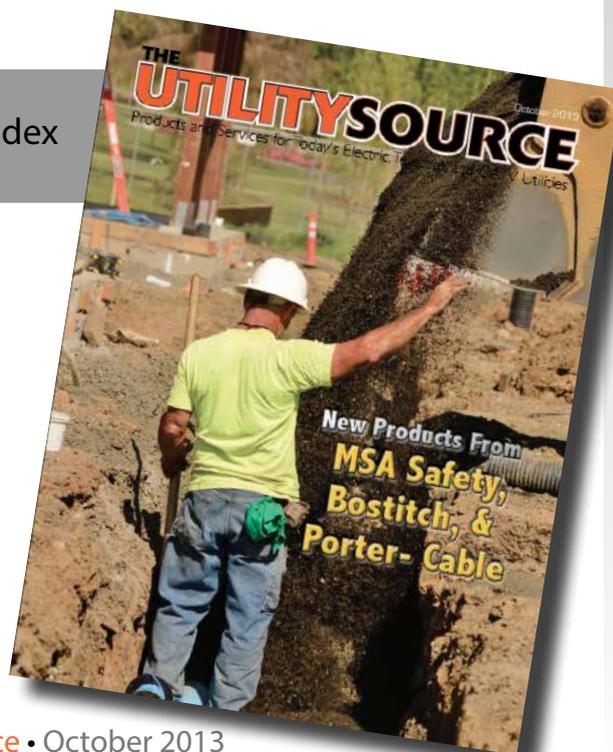
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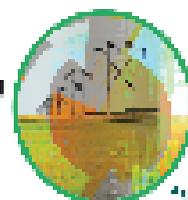
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KH Industries Releases NightRay 2 Spotlight System with new TwinRay Controller for ICEUU Show Debut

KH Industries Releases NightRay 2 Spotlight System with new TwinRay Controller for ICEUU Show Debut

KH Industries announced today the release of the NightRay 2 Spotlight System, which includes the new wireless TwinRay Controller. The NightRay 2 and TwinRay controller are exclusive to KH Industries and is the first vehicle-mounted lighting system to offer a single wireless remote controller to independently operate two spotlights. With the TwinRay controller's exclusive A/B switch users can toggle between two NightRay Spotlights to create a wide area beam pattern or multi-directional lighting.

"The development of the NightRay 2 Lighting System and new TwinRay controller is customer driven," explains Joseph Pinker, Jr., president of KH Industries.

"The NightRay Spotlight was designed specifically for the rigors of the utility industry. When it's just you and the darkness, your spotlight needs to be dependable in any situation. NightRay continuously proves itself in any environment making the power linemen our biggest advocates of the NightRay evolution."

Pinker adds, "The majority of our utility customers mount two NightRay's on their trouble trucks. Over the years we've received numerous requests from our linemen to be able to operate two NightRay's independently. The Lineman need to widen the illumination of a particular worksite or create multi-directional lighting for multiple crew work areas or two-man line inspection; with the TwinRay remote we've met this need and have also delivered some additional features."

KH Industries will be demonstrating the new NightRay 2 Lighting system at the

ICEUU Show, booth 2110.

Features on the NightRay 2 Lighting System:

- New TwinRay Controller will operate one or two NightRay Spotlights
- Easy in field programming when adding an additional NightRay Spotlight
- Exclusive A/B switch toggles control between two lights to customize beam pattern or to create multidirectional lighting.
- TwinRay controller is ergonomically designed for easy gloved-hand operation

- Available for dual-filament, Halogen, and HID NightRay models

- Easy plug & play installation on NightRay 2 with TwinRay Hardwired Joystick

NightRay vehicle mounted spotlights were designed specifically for the rigors of the utility industry and over the years have become the worklight of choice for utility power linemen. Because of NightRay's rugged design, the spotlights are also used by the U.S. Military and Department of Defense, Fire and Rescue agencies, oil and gas industries, towing, and marine and fishing operators.

NEW! NightRay 2 Wireless Spotlight





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Tool coding using Industrial RFID

Tool identification using Balluff Industrial RFID increases efficiency, as it makes incorrect tool allocation or missing tools a thing of the past. All the tool-relevant data are stored without contact on a data carrier embedded in the tool holder. Automatic loading into the system memory means all the data are always correct and up-to-date. Because the data are continuously updated when the tool is loaded and unloaded. In modern production facilities this ensures maximum tool utilization and high machine uptime.

The established basis for tool identification systems is state-of-the-art RFID technology. Balluff identification systems are suitable for industrial use and designed for extreme loads from shock and vibrations and electromagnetic, thermal or chemical effects.

BIS C was the first RFID-based identification solution that ensures reliable data transfer, even in the area surrounding metallic materials. As part of tool management systems, it enables automatic transfer of the tool parameters, which substantially reduces non-productive time at the machine. This does not include the time and personnel savings for provision of tools and equipment and optimal utilization of the tool life. Scrap and rework due to excessive use of tools are virtually eliminated. Additional rationalization effects include easier organization of tools and equipment, greater production assurance and avoidance of errors, for example due to incorrect inputs or mixed-up tools.

The core components of the Balluff identification systems BIS are robust data carriers in miniature design, a read/write head and a processor unit. In complex tool management solutions, they are also used in configuration and measurement devices, where, according to current practice, the first programming of the data carrier with identification and geometric data takes place.

Balluff identification systems are available in a wide variety of versions Experience has shown that the investment pays for itself within a year or two.

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DIGGER DERRICK & PRESSURE DIGGER AUGERS

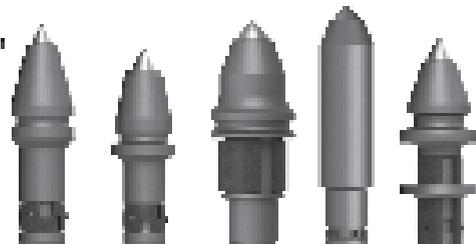
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A Hardhat Made From Sugar



Unlike conventional hard hats manufactured from high-density polyethylene (HDPE) sourced from nonrenewable petrochemicals, the V-Gard GREEN hard hat from MSA is manufactured using “green” HDPE sourced entirely from sugarcane ethanol. Developed by MSA in Brazil, the V-Gard GREEN hard hat will be introduced to North American customers at the 2013 National Safety Council Congress & Expo, scheduled for September 28 through October 4 in Chicago.

“By developing a hard hat sourced from sugar, we are effectively

reducing the overall carbon footprint associated with the life-cycle of this product,” said Eric Beck, MSA’s Global Director of Strategic Marketing. Mr. Beck explained that through the natural process of photosynthesis, sugarcane cultivation captures CO₂ from the atmosphere, thereby reducing greenhouse gas emissions. In fact, according to a 2007 eco-efficiency study conducted by Fundacao Espaco Eco, for every ton of green HDPE produced, approximately 2.5 tons of carbon dioxide are captured from the atmosphere and environment.

Just like MSA’s market-leading,

traditional V-Gard hard hats, the V-Gard GREEN protective hard hat meets the company’s rigorous performance standards as well as those defined by ANSI Z89.1 and CSA Z94.1. “The sustainable benefits of using ‘green’ HDPE in a hard hat are what initially captured our interest,” Mr. Beck said. “But at the end of the day, the hard hat has to provide the same high level of head protection that our V-Gard brand is known for around the world. That’s what makes this product option so attractive.”

Green high-density polyethylene is also 100 percent recyclable in the same



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stream as conventional HDPE, making it suitable for reuse in non-safety products and further enhancing the sustainability benefits of the new hard hat. Like traditional V-Gard hard hats, the new V-Gard GREEN hard hat will be marked with a recycling label to further remind and educate users to recycle their helmet at the end of its use cycle.

In recognition of MSA's leadership and innovation in head protection, Frost & Sullivan, a global research organization of 1,800 analysts and consultants who monitor more than 300 industries and 250,000 companies worldwide, recently selected the V-Gard GREEN for its 2013 New Product Innovation Leadership Award.

The MSA V-Gard GREEN hard hat is being launched in the midst of steady growth in the green building industry. According to an industry report released earlier this year in collaboration with the U.S. Green Building Council and the World Green Building Council, 28 percent of architects, engineers, contractors, building owners and building consultants around the world report an increased focus on sustainable design and construction. The report found that firms are shifting their business toward green

building, with 51 percent of respondents expecting more than 60 percent of their work to be green by 2015.

"With the rise in green building and construction projects in general, this is an opportune time to introduce an alternative, sustainable safety hard hat that also helps to reduce carbon emissions and demand for fossil fuels in product manufacturing," says Mr. Beck. "With millions of hard hats manufactured and sold annually in the United States, Canada and Mexico, the

V-Gard GREEN hard hat provides those in the construction industry as well as those working in the utility, energy and industrial fields a more sustainable choice that protects both people and planet."

The technology to produce this new helmet was deployed at MSA's Brazil operations, in conjunction with Braskem, the world's largest producer of green thermoplastic resins. Offering increasingly sustainable products is a pillar of Braskem's global business vision, which includes intensifying its research into renewable chemicals.



MSA will manufacture its V-Gard GREEN hard hat at the company's Murrysville, Pa., manufacturing facility located near Pittsburgh. The hard hat will be made available to customers in late September 2013.

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BOSTITCH®

Launches New Power Tool Line



Designed for the Professional, Built to Last

BOSTITCH® announced the national launch of its new line of professional power tools including corded and 18V cordless tools specifically engineered for today's contractors and the constant demands of the jobsite.

This new line of professional power tools includes an 18V Cordless Drill/Driver, 18V Cordless Impact Driver, 1/2 inch Hammer Drill, 7-1/4 inch Circular Saw, Orbital Jigsaw, Reciprocating Saw, 4-1/2 inch Angle Grinder, and 3/8 inch Corded Drill. These tools were designed to meet the needs of carpenters, remodelers, electricians, plumbers, and HVAC contractors

across commercial, residential, and MRO job-sites.

BOSTITCH® has been committed to delivering contractor-grade solutions for more than 115 years and is a leading manufacturer of pneumatic nailers and staplers, fasteners, hand tools, compressors, and related accessories for commercial and residential construction, manufactured housing, manufactured furniture, and professional woodworking.

Building on this industry expertise and job-site research, BOSTITCH® developed the new line of tools to be high

performance, rugged, and durable, all at an affordable price.

These new power tools feature durable motors, components, and housings that can take a beating on the job-site while offering comfortable ergonomics, and sought after light-weight tools.

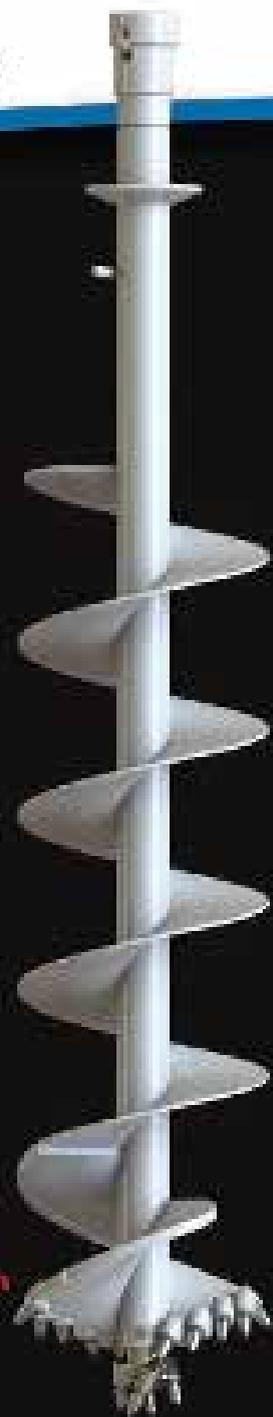
The durability of this great brand, and this expansion into the category of professional power tools, further increases BOSTITCH's® range of innovative product solutions for the construction markets, delivering the reliability and performance professionals demand.



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18 VOLT LITHIUM 1/2 IN DRILL/DRIVER KIT

The 18 VOLT LITHIUM 1/2 IN DRILL/DRIVER KIT (BTC400LB) features a 2-speed high torque/high speed gear box (0-350/0-1500 RPM) and a 1/2 inch keyless metal locking chuck for bit retention and chuck durability, while a 24 position clutch helps to reduce stripping of fasteners. Weighing only 3.7 pounds, and measuring about eight inches long, the compact size and weight help to reduce user fatigue.

An integral L.E.D. worklight illuminates dark work areas. The kit includes the Drill, (2) 18V Lithium Ion Batteries, (1) 18V Lithium Ion Charger, (1) PH#2 Screwdriving Bit, (1) Bit Tip Storage, and (1) Kit Box.

18 VOLT LITHIUM 1/4 IN HEX CHUCK IMPACT DRIVER KIT

The 18 VOLT LITHIUM 1/4 IN HEX CHUCK IMPACT DRIVER KIT (BTC440LB) offers an Impact Driver with a variable speed trigger that provides 0-2800 revolutions-per-minute (RPM) and 0-3100 beats-per-minute (BPM). The high torque motor delivers 1400 inch-pounds of maximum* torque and eliminates almost all reactionary torque to minimize kickback.

The high performance 18V battery is compatible with all 18V Bostitch power tools. Weighing only 3.4 pounds, and measuring 6-3/4 inches long, the compact size and weight help to reduce user fatigue. A quick-release 1/4 inch hex chuck provides quick and easy bit changes and an integral L.E.D. worklight illuminates dark work areas. The kit includes the Impact Driver, (1) 18V Lithium Ion Battery, (1) Lithium Ion Charger, (1) PH#2 Screwdriving Bit, (1) Bit Tip Storage and (1) Kit Box.

*Determined by 30 second impact load gauge test method.

Corded Products



7 AMP 1/2 IN HAMMER DRILL KIT

The 7 AMP 1/2 IN HAMMER DRILL KIT (BTE140K) provides a powerful drill for concrete, wood, and metal drilling. The drill's 7-amp motor provides the power needed for performing tough applications. The dual speed selector switch optimizes speed and power between 0-1100/0-3100 RPM.

When it's time to hammer drill into concrete, the hammer drill/drill mode selector quickly changes between drilling modes and delivers 0-52700 beats-per-minute (BPM). An all metal, 1/2 inch keyed chuck provides optimal bit retention. The drill also features a durable metal gear housing, 360 degree side handle, and built in depth rod.

The Hammer Drill weighs only 5.1 pounds. The kit includes the Hammer Drill, (1) Side Handle, (1) Depth Rod, (1) Chuck Key and Holder, and (1) Kit Box.

15 AMP 7-1/4 IN CIRCULAR SAW KIT

The 15 AMP 7-1/4 IN CIRCULAR SAW KIT (BTE300K) features a powerful 15 amp motor which delivers 5600 RPM for fast cutting and tough applications. The Circular Saw is outfitted with a cast magnesium shoe to enhance the tool's lightweight design.

The Circular Saw weighs only 9.5 pounds. A tool free bevel adjustment provides a bevel capacity of up to 55 degrees with positive detents at 45 and 22.5 degrees allowing for fast and accurate bevel adjustments. The Circular Saw cuts up to 2-3/8 inch deep at 90 degrees and 1-13/16 inch deep at 45 degrees.

A 10-foot cord provides plenty of reach and helps when ripping and cross cutting. The kit includes the Circular Saw, (1) 7-1/4 inch Carbide Tipped Blade, (1) Rip Fence, (1) Blade Wrench and (1) Kit Box.



6 AMP ORBITAL JIGSAW KIT

The 6 AMP ORBITAL JIGSAW KIT (BTE340K) is outfitted with a 6 amp motor and features 0-3200 SPM (strokes per minute) and a stroke length of 13/16 inches. With its variable speed control, the Jigsaw offers a seven position speed dial for a variety of cutting applications. It also features four orbital settings that provide optimal performance in a variety of materials.

The Jigsaw is ideal for cutting plywood, sink cutouts, scrollwork, and shelving, as well as cutting designs into dimensional lumber. For accurate bevel cutting, the cast shoe has detents at 0, 15, 30 and 45 degrees making bevel changes quick and accurate.

Additional features include a cast aluminum shoe for cut stability. A tool free blade change system allows for quick and easy blade changes and an L.E.D. work light illuminates dark areas. The kit includes the Jigsaw, (1) Wood Cutting Blade, (1) No Mar Shoe Cover and (1) Kit Box.



8.5 AMP RECIPROCATING SAW KIT

The 8.5 AMP RECIPROCATING SAW KIT (BTE360K) features an orbital setting that delivers aggressive cutting action and cutting speed for rough cutting applications. Featuring a 1-1/8 inch stroke length and 0-3000 strokes per minute (SPM), this 8.5 amp Reciprocating Saw provides optimal cutting speed in a variety of materials. The Saw's ergonomic and light-weight design, weighing only 7.4 pounds, help to reduce user fatigue. A tool free blade change offers fast and effortless switching of blades while the variable speed trigger provides control when making difficult cuts encountered during demolition and rough-cutting applications. Additionally, the adjustable tool free pivoting shoe helps to keep constant contact with material and prolongs blade life. The kit includes the Reciprocating Saw, (1) 6 inch Wood Cutting Blade and (1) Kit Box.



7 AMP 4-1/2 IN ANGLE GRINDER KIT

The 7 AMP 4-1/2 IN ANGLE GRINDER KIT (BTE820K) features a 7 amp motor and produces 11000 RPM for aggressive cutting, removal, and finishing of materials. A cast metal gear housing dissipates heat during extended use.

For optimal control, this compact Angle Grinder is outfitted with a three position side handle for a variety of cutting and grinding applications. The non-locking paddle switch automatically shuts off the tool if the Angle Grinder is accidentally dropped during use.

Additional features include a spindle lock and tool free guard for quick and easy wheel and accessory changes and adjustments. The kit includes the Small Angle Grinder, (1) Grinding Guard, (1) Grinding Wheel, (1) Cutting Guard, (1) Cutting Wheel (1) Side Handle, (1) Wrench and (1) Kit Box.



6.5 AMP 3/8 IN DRILL KIT

The 6.5 AMP 3/8 IN DRILL KIT (BTE100K) includes a powerful 6.5 amp motor that provides optimal power for tough applications with speeds between 0-2500 RPM. The Drill includes an all metal 3/8 inch locking chuck. A variable speed trigger provides control in a wide variety of drilling applications on the jobsite.

The Drill's ergonomic design, and weight of only 3.2 pounds, help to reduce user fatigue. The Drill features a lock-on button for continuous drilling, and an integral belt clip to hold the Drill when not in use. The kit includes the Drill and (1) Kit Box.



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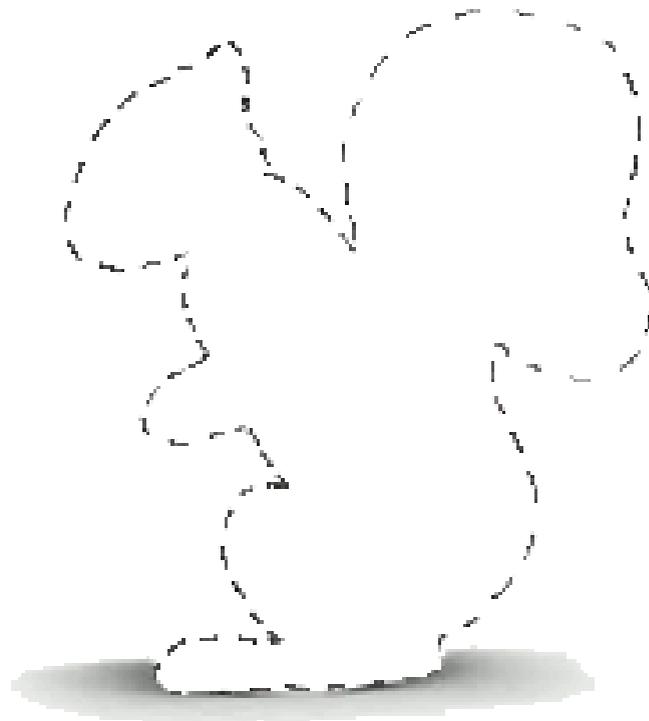
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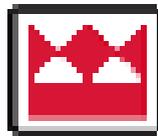


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ENTER THE WORK ZONE

Terex introduces a new, more accurate way to compare digger derricks.

To determine the true digging capability of the digger derrick, we brought in a real-world digging application: setting a utility conduit. To compare one machine to the next, today's conventional methods include:

Winch capacities: a comparison of the winch and capacity of the machine with digger derrick.

Lifting capacities: a comparison of digger derrick lifting capacities for maximum power output and maximum winch weight capacity.

10-foot radius lifting capacity:

a "working" comparison developed by Terex T&U, used in the early 1980s. It put a bucket on the derrick, 10 feet in radius, and 100 pounds in weight, and measured the bucket's weight.

Research shows that 75 to 80 percent of the time that a digger derrick is in use, it is digging holes and setting poles.

It's not surprising that the flow of material to be easily match the size of the digger derrick. In the case of capacity, lifting more than 1000 lbs. The original part of the study, leading to today's winch and lifting capacities, was small. But it also revealed that there are several other areas of the machine in the hole. (1) Digging inside of the hole. (2) Digging outside of the hole. (3) Digging down a pipe into the complete hole.

Our research on the digger derrick has led to three feet of the radius and digging capacity, to increase what was previously 10 feet. And it also shows that the feet of boom capacity is critical in leading the hole or stability in situations where a man, instead of the digger derrick, is in the hole. (4) Digging down a pipe into the hole. (5) Digging down a pipe into the hole. (6) Digging down a pipe into the hole. (7) Digging down a pipe into the hole. (8) Digging down a pipe into the hole. (9) Digging down a pipe into the hole. (10) Digging down a pipe into the hole.



1000 Series Digger Derrick

Ajax Tools & Equipment



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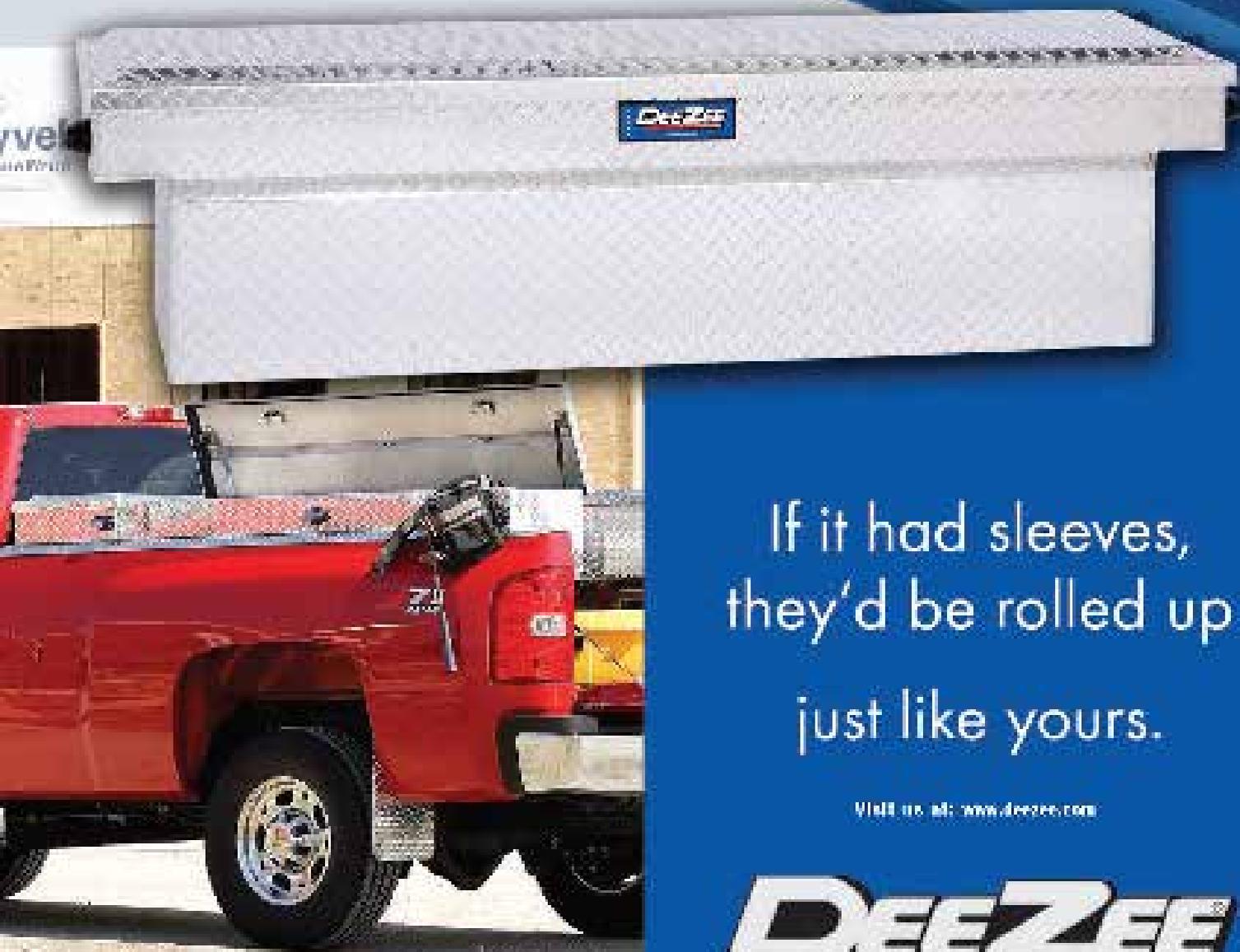
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PORTER-CABLE®



RECIPROCATING TIGER SAW

Expands 20 Volt MAX* Linked System™ with Six New Cordless Tools

PORTER-CABLE announced the expansion of its 20V MAX* Linked System™ for tradesman.

PORTER-CABLE is adding six new cordless power tools, new combination kit solutions, and a new MaxPack extended runtime 20V MAX* Lithium Ion Battery to the popular 20V MAX* Linked System. The new cordless tools include the Reciprocating Tiger Saw®, 6-1/2 inch Circular Saw, Oscillating Tool, Cut-off Tool/Grinder, Jigsaw, and Pivoting Flashlight. The PORTER-CABLE MAX* Linked System maximizes a lithium ion battery platform that provides the performance, ergonomic design, and features needed to complete an extensive range of applications on the jobsite. The lithium ion batteries maintain a charge for up to 18 months, so the tools are ready to go when you are.

“We recognize that tradesman continue to demand more from their cordless tools and these new PORTER-CABLE cordless power tools exceed expectations at a great price,” said Wil Granger, group product manager, PORTER-CABLE. “Understanding a tradesman’s product needs on the jobsite has allowed us to develop new cordless tools that deliver the right mix of power and performance, plus the features that make the tools easy to use without a big price tag.”

Building on the line’s interchangeable lithium ion battery system, the PORTER-CABLE Compact 1.5 amp-hour (PCC680L), and the new 4.0 amp-hour (PCC685L) 20V MAX* lithium ion MaxPack™ battery packs offers expanded options to build a cordless system tailored to a tradesman’s specific needs on the jobsite. The PORTER-CABLE Fast Charger (PCC690L) can be purchased separately.

The 20V MAX* Reciprocating Tiger Saw® (PCC670B) is ideal for cutting wood and metal. The Tiger Saw is compact (14.5 inches in length), light-weight (4.4 pounds when used with the PCC860L compact battery) and designed to get into tight areas to complete cutting applications around the jobsite while helping to minimize fatigue. This tool is for tradesman looking for an alternative to heavier reciprocating saws without sacrificing cutting performance.

With a high performance drive-train, the Tiger Saw offers the power and speed needed for aggressive performance. The saw delivers a 1 inch stroke length and 0-3,000 strokes-per-minute (SPM). Tool free blade change offers fast and effortless blade replacement. A pivoting shoe helps the tool keep consistent contact with materials. Contoured over-molded handles and gear housing provide user comfort. The variable-speed trigger provides precise control for cutting a variety of materials.

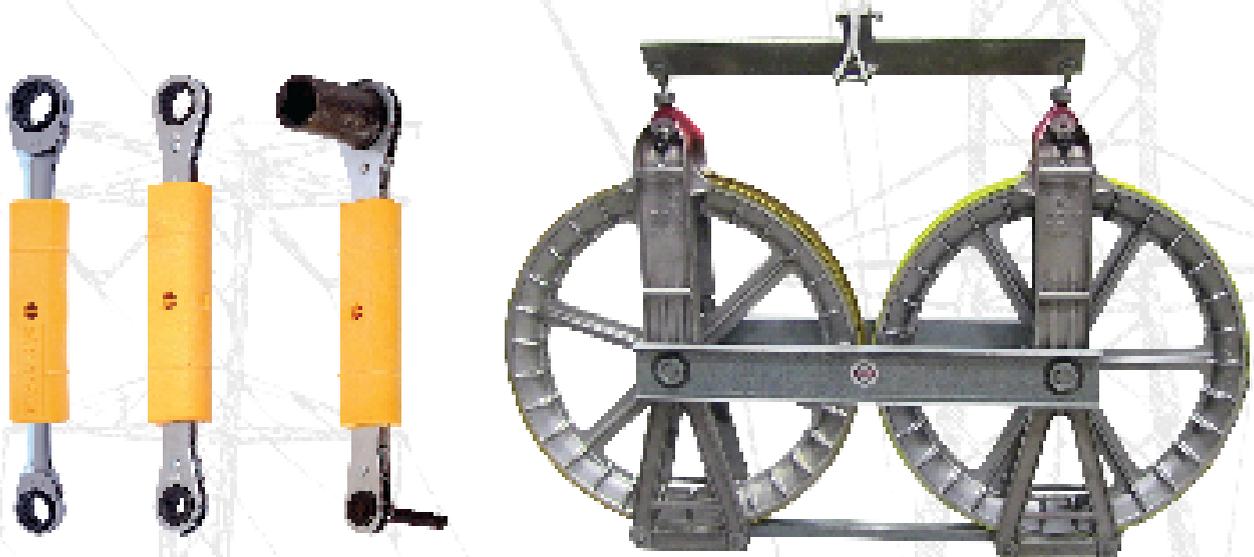
The 20V MAX* Tiger Saw is sold with one 6 inch TPI wood cutting blade for a suggested retail price of \$59.97 (batteries and charger sold separately).



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6-1/2 IN. CIRCULAR SAW

The 20V MAX* 6-1/2 inch Circular Saw (PCC660B) is ideal for crosscuts, ripping, beveling, and plunge cuts. This compact saw's high performance motor delivers 3,700 revolutions-per-minute (RPM) for fast cutting. A 6-1/2 inch carbide tooth blade delivers 2-1/8 inch cutting capacity at 90° for a variety of cutting applications. A 50° adjustable shoe bevels for a variety of cutting applications and angles.

A dust blower makes it easy to follow the line of cut by clearing debris from the cutting surface. A contoured over-molded handle provides comfortable gripping, and the 7.2 pound weight (when used with the PCC685L Max Pack Battery) and compact size help to reduce hand fatigue.

The 20V MAX* 6-1/2 inch Circular Saw is sold with one on-board wrench and one 18-tooth blade for a suggested retail price of \$59.97 (batteries and charger sold separately).



OSCILLATING TOOL

The 20V MAX* Oscillating Tool (PCC710B) offers a patent pending Tool Free System that allows users to perform quick and easy accessory changes or adjustments, resulting in minimal down-time on the jobsite. The Oscillating Tool is ideal for cutting, sanding, scraping, and grinding applications that require precise control and cut quality. The tool features variable speeds between 10,000-18,000 oscillations-per-minute (OPM) for optimizing the tool's performance depending on the application.

The Oscillating Tool has a three position over-mold grip for comfort and an L.E.D. work light for illuminating dark work areas. The Oscillating Tool delivers value by offering 20 accessories for cutting, sanding, scraping, and grinding applications. The Oscillating Tool is also compatible with DeWalt's Universal Fitment™ System.

The 20V MAX* Oscillating Tool is sold with 20 accessories and accessory kitbox for a suggested retail price of \$69.97 (batteries and charger sold separately).

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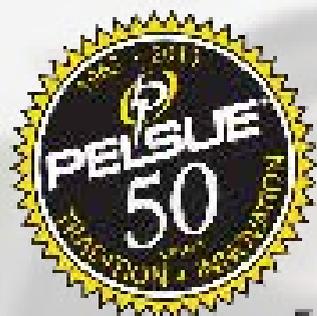
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JIGSAW

The 20V MAX* Jigsaw (PCC650B) offers three orbital settings, a variable speed trigger that goes from 0-2,500 strokes-per-minute (SPM), and a 3/4 inch stroke length for precise, clean, and accurate cuts.

The Jigsaw features a dust blower that clears debris for visibility while cutting. The tool free blade release is useful for quick blade changes. The beveling shoe provides straight (0°) and up to 45° bevel cuts. The Jigsaw's contoured over-molded handle offers gripping comfort.

The Jigsaw is useful for straight and scroll cuts in wood and metal, for sink cutouts, and other applications, making bevel cuts in wood, and cutting PVC and copper pipes.

The 20V MAX* Jigsaw is sold with one 4 inch wood blade for a suggested retail price of \$59.97 (batteries and charger sold separately).



CUT-OFF TOOL/GRINDER

The 20V MAX* Cut-Off Tool/Grinder (PCC761B) offers a high performance motor that delivers 8,500 revolutions-per-minute (RPM) and is ideal for cutting, removal, and finishing applications. The Cut-Off Tool/Grinder features a cast metal gear housing that helps dissipate heat during extended use. A three position side-handle and an over-molded contoured grip offer comfort and control during use. A spindle lock and tool free guard offer quick and easy wheel changes and adjustments.

The 20V MAX* Cut-Off Tool/Grinder is sold with one grinding guard, one cutting guard, one grinding wheel, and two cutting wheels for a suggested retail price of \$49.97 (batteries and charger sold separately).



PIVOTING FLASHLIGHT

The 20V MAX*Pivoting Flashlight's (PCC700B) four L.E.D.s deliver 120 Lumens for bright visibility. A pivoting head makes it easy to adjust the light beam towards almost any working area.

The Pivoting Flashlight is sold for a suggested retail price of \$24.97 (batteries and charger sold separately).

Making Hardware Removal Easy

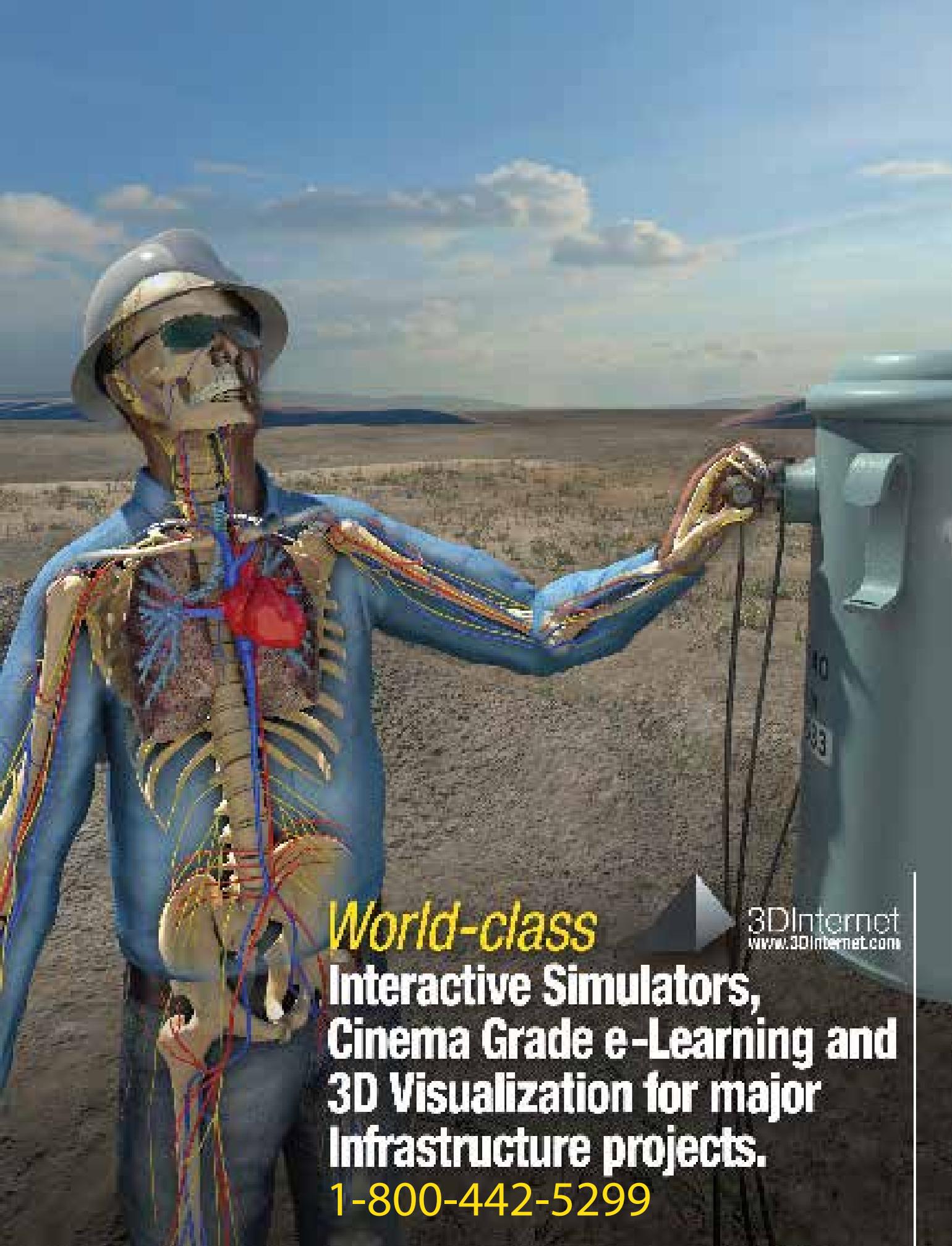


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