

July 2025

# NEW CONSTRUCTION

Products

Sawing Solo:  
Portable Sawmills  
Optimized for  
Single-User  
Operation



COOK'S SAW MFG.  
1-800-473-4804  
WWW.COOKSAW.COM

LEADERS IN BANDSAW TECHNOLOGY

AC-3  
Thin Kerf 5

# ROME

Manufacturing Heavy Duty Construction  
and Agricultural Equipment Since 1932

Available in 10, 12, 14, and 16 foot widths



Available in 16, 18, 20, 24, and 30 foot widths



Available with 36 or 42" blades, and up to 20' wide



Available in 18 and 22 yard versions

Available in 24, 28, 31, 34 and 37 Yards



Steel Tracks available to fit any articulating tractor.

ROME Plow has been the premier name in heavy duty disc plows for over 87 years.

ROME has been manufacturing pivot dump and ejector scrapers for over 45 years for the construction and agricultural industries.

ROME also manufactures a full line of leveling scrapers (with and without gates) and haul road maintenance tools (with and without rollers)

For more information on our products or for the closest authorized ROME dealer please contact us.

# B BROWN BEAR



OFF HIGHWAY  
HIGH FLOTATION  
4X4 CARRIER

COMPOSTING  
ATTACHMENTS



BRUSH  
MULCHING  
ATTACHMENT

BACK-FILLING  
ATTACHMENTS



# WWW.BROWNBEARCORP.COM

641-322-4220  
sales@brownbearcorp.com

BROWN BEAR CORPORATION

CORNING, IA 50841  
www.youtube.com/c/Brownbearcorp

PG 4 | Sawing Solo: Portable Sawmills Optimized for Single-User Operation

PG 16 | Ad Index



Pg 4

## **S SELICK** LIFT, LOAD AND DELIVER WITH SELICK!

Whether you need to deliver a skid of blocks to a jobsite or move a 16,000 lb. load of steel, Sellick has the forklift that is right for you.

We have been engineering and manufacturing rough terrain forklifts for over 50 years and our nationwide dealer network offers superior support for all your parts and service requirements.

Call toll-free or e-mail us today for all your material handling needs.



**1-877-SELICK (735-5425)**  
**sales@sellickequipment.com**

Vol. 25 Issue 7

### PRESIDENT

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

### DIRECTOR OF ADVERTISING

Brian Lockheart  
205-624-2182  
lockbrian692@gmail.com

### DIRECTOR OF BUSINESS

Butch Cole  
205-624-2180  
butch@handfmedia.net

### ADMINISTRATIVE DIRECTOR

Steven Hobson  
steven@handfmedia.net

### EDITOR

Brandon Greenhill  
brandon@handfmedia.net

### CREATIVE/ WEB DIRECTOR

Jacklyn Greenhill  
jacklyn@handfmedia.net

P.O. Box 1568 • Pelham, AL 35124  
Phone: 205-441-5591 • Fax: 205-624-2181  
www.newconstructionproducts.com  
info@newconstructionproducts.com



*New Construction Products™* is published twelve times a year on a monthly basis by Southern Digital Publishing, Inc. *New Construction Products™* is distributed free to qualified subscribers. Non-qualified subscription rates are \$57.00 per year in the U.S. and Canada and \$84.00 per year for foreign subscribers (surface mail). U.S. Postage paid at Birmingham, Alabama and additional mailing offices.

*New Construction Products™* is distributed to qualified owners and managers in the construction industry. Publisher is not liable for all content (including editorial and illustrations provided by advertisers) of advertisements published and does not accept responsibility for any claims made against the publisher. It is the advertiser's or agency's responsibility to obtain appropriate releases on any item or individuals pictured in an advertisement. Reproduction of this magazine in whole or in part is prohibited without prior written permission from the publisher.

**POSTMASTER:** Send address changes to  
Southern Digital Publishing, Inc. P.O. Box 1568  
Pelham, AL 35124

**PRINTED IN THE USA**

# REPAIR CONDUIT IN A SNAP!

- No Tape
- No Plastic Straps,
- No Metallic Straps

## NO KIDDING!

Designed especially for  
power, communications,  
and fiber optics



“The World Leader In Split Conduit Products”



**Conduit Repair Systems, Inc.**

The World Leader In Split Conduit Products

800-670-1804

fax: 435-673-8724

email: [crs@conduitrepair.com](mailto:crs@conduitrepair.com)



**1**  
Step 1: Remove  
Damaged Conduit



**2**  
Step 2: Cut Split  
Duct Conduit to Fit



**3**  
Step 3: Snap in  
Place



**4**  
Step 4: Attach  
Adapters



**5**  
Step 5: Finish Job  
in Record Time

Please Visit Our Website at [WWW.CONDUITREPAIR.COM](http://WWW.CONDUITREPAIR.COM)

## Sawing Solo: Portable Sawmills Optimized for Single-User Operation



*Advanced hydraulic sawmills enable smooth, precise cutting with minimal effort, whether working solo or with a team*

The growing demand for high-efficiency wood processing is driving a surge in the popularity of advanced portable sawmills. These compact yet powerful machines offer unmatched versatility, giving users the ability to process timber on-site and on-demand.

With their durable construction, precision-engineered components, and scalable functionality, a sawmill represents a strategic investment for sawmill operators, loggers, farmers, home builders, and woodworking professionals. Their versatility and reliability enable users to maintain profitability while adapting to varying production demands and market conditions.

Although sawmills are designed for operation by small teams of up to four people, many are, in reality, run by a single operator. As a result, a growing number of sawyers are adopting portable sawmills specifically optimized for solo operation.

These models offer efficient, user-friendly features that enable a single operator to manage the milling process effectively, reducing labor costs while maintaining high productivity. The units help reduce operator fatigue through features like hydraulic log loaders, drag-back systems, and remote controls. With integrated hydraulics, a single operator can efficiently manage thousands of pounds of logs with minimal manual setup and physical strain.

# Maddox is the one-stop shop for your transformer needs

Founded by a team of industry veterans focused exclusively on the transformer and transformer-related needs of industrial and commercial clients.



## Sell

Maddox stocks and sells the highest quality transformers from dry types and padmounts to substations.

## Rent

With thousands of units in stock, Maddox rents out transformers for the temporary power needs of customers across North America.

## Repair

With shops on both coasts Maddox inspects, tests, and repairs transformers to ensure that they are in top working condition.

## Purchase

We offer a great price that includes handling all the transportation and environmental issue.



consistent, dimensionally exact lumber. If a customer requested 8/4 (two-inch thick) material, I wanted to deliver it precisely,” says Runquist.

Runquist says that he spent two to three years researching and evaluating equipment. “I think I looked at every sawmill under the sun at the time,” he recalls. He eventually selected a portable AC-36 sawmill from Cooks Saw, a leading manufacturer in portable bandsaw technology (<https://www.youtube.com/@CooksSawmills>).

When production demands increase, the same equipment can be operated by up to four individuals simultaneously, boosting productivity in larger-scale operations. Converting a portable sawmill to a stationary configuration is straightforward, offering flexibility to adapt to evolving operational needs.

One example of this approach is Runquist Sawmill Services in Mount Enterprise, Texas. Blending advanced milling capabilities with a commitment to craftsmanship, the company produces an extensive range of products—including live edge and straight edge planks, beams, super wide planks, fireplace mantels, book matched sets, pallet boards, and reclaimed wood. With specialized expertise in hand-hewn lumber and custom cutting for client-supplied logs, Runquist demonstrates how today’s portable sawmill innovations can support both high-quality production and personalized service.

According to Troy Runquist, owner of Runquist Sawmill Services, selecting the optimal sawmill equipment that could provide the required precision, efficiency, and volume as his business grew was critical to his success.

“Accuracy was my top priority—I wanted to produce

The diesel-powered unit is designed to handle much bigger logs than most equipment in this category. Cooks’ sawmills are engineered with significantly more steel than the industry standard, resulting in a heavier, robust sawmill.

“It’s one of the most accurate mills out there. It consistently produces precise, reliable material, as long as it is set up properly,” says Runquist.

When Runquist first started the business about 16 years ago, he initially operated the AC-36 portable mill to keep overhead low. For four years, he ran the operation largely on his own, with only occasional assistance from others to stack lumber.

“I’d work most of the day milling and then spend the rest stacking material and preparing loads for delivery to a larger sawmill,” explains Runquist. “The physical demands were high, so equipment that minimized unnecessary movement was essential.”

When it comes to sawmill design, overall quality is often found in the details. Thoughtfully engineered features can make a significant difference in day-to-day operation, particularly for solo operators.

“When you are younger, the physical work doesn’t

"As a safety professional, you always want your workers to have access to leading edge safety tools that improve safety and focus. Working with **COOLSHIRT SYSTEMS** over the past two years allowed me to help design a tool **by lineman for lineman.**"

The **A.R.C. Hybrid Cooling System** by **COOLSHIRT SYSTEMS** allows linemen to remain more focused and less fatigued by reducing their core body temperature in extreme environments, therefore reducing the possibility of unintended accidents."

**-James "Jim" Bonner**  
Compliance Coordinator- Retired  
Alabama Power



# A.R.C. Hybrid Cooling System

*Complete Arc Rated Portable Cooling Solution*

Developed in conjunction with major power companies for use in extreme heat conditions, the **A.R.C. Hybrid Cooling System** uses liquid cooling to reduce fatigue, injury, and heat stress related illness.

Designed specifically for use by linemen, the **A.R.C. Hybrid Cooling System** features a compact design with a custom woven strap mounting system. The use of S-hooks offers the versatility of mounting inside or outside of the bucket. The system includes our mobile ice based cooler, a 7 hour lithium ion battery with charger and a **CAT 2, 12 CAL** rated Liquid Cooled Vest for **70E Arc Flash** protection.

Designed with portability in mind, measuring **6" x 6" x 20"** and weighing in at **less than 10 lbs dry**, the unit is entirely self-contained and built to last with a 20,000 hour pump.



A.R.C. Hybrid Cooling System  
2002-0017



**COOLSHIRT**<sup>®</sup>  
LIQUID COOLED GARMENTS

bother you as much. But as you get older, you start to wish you'd invested a little more upfront in the available features to avoid all the grunt work later," says Runquist.

### Log Loading and Positioning

Providing solo operators with the features necessary to streamline operations usually starts with the loading and positioning of large, heavy logs. Hydraulic loaders, turners, and clamps allow a single operator to move logs quickly and accurately into place.

The AC-36 sawmill, which can process timber up to 36" in diameter, is engineered to handle substantial log weights up to 10,000 pounds.

"Their portable sawmills are the best I've seen in terms of lifting capacity, handling up to 10,000 pounds. That is a significant load for a mill, and I've never encountered a log that their cylinders couldn't lift," says Runquist.

Proper log positioning is essential for maximizing cutting efficiency and material yield. Features such as log turners allow operators to rotate logs into the optimal position, ensuring the widest possible cuts. This system, combined with heavy-duty clamps along with their traditional squaring arms, reduces wear, minimizes the need for frequent adjustments, and supports smoother, more continuous operation.

According to Runquist, "From the moment I see a log as it is placed on the log lift, I am visually analyzing its shape, checking for straightness and irregularities. As it is being lifted and rolled onto the deck [of the sawmill], I'm already planning the best position for cutting."

Since most logs are wider at the base than the top, Runquist positions the narrow end toward the saw head and uses log tapers to lift one end to ensure the center is cut efficiently.

"I can bring up either end of the log to position it exactly where I want it, then clamp it into place before cutting it," says Runquist.

To obtain the widest possible planks, Runquist uses the log turners to rotate oval-shaped logs onto their broadest side. In cases like this, improper positioning would result in significantly narrower boards.

The hydraulic system is engineered for rapid clamp operation, allowing for quick and efficient log handling.

"Once you're familiar with the controls, you save a lot of time setting up and moving to the next log. You're not waiting on hydraulic pressure or for the clamp to move in, out, up, or down—it's just very fast," explains Runquist.

### Cutting Speed Control

Another advantage of the AC-36 sawmill is its cutting speed, which enables a solo operator to process logs at an impressively high rate.

"With everything dialed in—sharp blades, tracking set correctly, and the right type of wood—you can make cuts as quickly as every 10 seconds, sometimes even faster with softwoods," says Runquist.

For a single operator, cutting and stacking at that pace may not be practical, so the system features adjustable head speed controls to align with varying workflow demands.

According to Runquist, the AC-36 saw head can be set to virtually any speed. This flexibility is invaluable when training new sawyers. Beginners can start in a controlled, slower setting to build confidence, then gradually increase speed as they gain experience. Runquist says that when his sons joined his business, he dialed the speed down to allow them to learn at a slower pace without the risk of damaging equipment.

Today, Troy and his sons at Runquist Sawmill Services have added three additional Cooks sawmills to their operation, as well as other pieces of Cooks equipment.

# GRACE

CONNECTED SAFETY

LONE WORKER PROTECTION  
FALL PROTECTION  
SUSPENSION TRAUMA PREVENTION

 SECURE 1/2 MILE  
LINE-OF-SIGHT 



## ASSIGNED MONITORING ATTENDANTS



Grace Web Portal Dashboard



Custom Check-In Schedule



TEXT/Email Notification

Receive a GPS Map Link

Check-In System



LEARN MORE



## GRACE GATEWAYS

Iridium Satellite/Cellular

Mobile or Portable Worksite Models

SALTI™ System Loop Test Indicator

Supports up to 20 Grace Pendants



## WORKFORCE® LONE WORKER PENDANT

Fall Detection

Manual Panic Button

Motion Detection

GPS Location



GRACECONNECTEDSAFETY.COM

In addition to the original AC-36, they now have a second AC-3651, as well as a custom built electrically powered AC-4440 which cuts logs up to 44" in diameter and up to 32' long, and a gas powered (Super Wide) SW52 which cuts logs up to 52' in diameter. They also run one of Cooks' larger electric edgers as well as a Cooks Cat Claw band saw blade sharpener and Dual Tooth Setter.

### Drag Back Capability

In modern sawmills, a drag-back system enhances efficiency by automatically returning cut lumber to the operator or an outfeed area. Developed in response to customer demand in the 1990s, this innovation has become an industry standard.

After a cut, strategically placed "fingers" engage below the blade as the saw head moves back, pulling the board toward the operator. This allows for easy transfer to a roller bed or trailer, minimizing downtime and operator fatigue.

By employing the drag back fingers, the operator can remain stationary, eliminating unnecessary movement. This feature facilitates efficient material stacking and significantly accelerates production for solo sawyers.

Kevin Casey, founder of Freeport, Florida-based Freeport Sawmill, which specializes in custom sawmilling/woodworking, says "After the cut, the drag back system pulls the cut lumber back so it can be stacked or removed from the machine. You can kick back one board or the whole log after you cut it, and if you have other people helping you, they are busy right away."

A mechanical contractor for over 40 years, Casey founded Freeport Sawmill several years ago. The company operates both a high-capacity production mill and a specialized system designed for cutting



large, wide slabs. While capable of standard output, the sawmill is primarily dedicated to specialty and high-end orders rather than conventional production work. According to Casey, Freeport Sawmill embraces complex, custom projects that many others tend to avoid, focusing on delivering high-quality, precision-cut lumber for both industrial and decorative applications.

After purchasing and using a manual mill for the first year, Casey, who is now in his 60s, decided to upgrade to an AC-36 hydraulic mill capable of providing more automated features.

With today's sophisticated sawmills, hydraulic controls are required for loading, turning, and cutting. Unlike sawmills that rely solely on direct-action hydraulics, Cooks sawmills combine hydraulic power with electric-assisted controls. This balanced approach offers the best of both worlds—hydraulic durability with the precision of electric controls—delivering a more efficient, responsive, and powerful sawmill operation.

"I wanted to mill full-time and knew that a fully hydraulic system would ease my workload while improving my production and the quality of my cuts," says Casey.

Casey is the primary operator of the AC-36 sawmill, and receives assistance with secondary production

# CUT & PUNCTURE RESISTANT

Offering 12 Styles of Kevlar® Lined Work Gloves



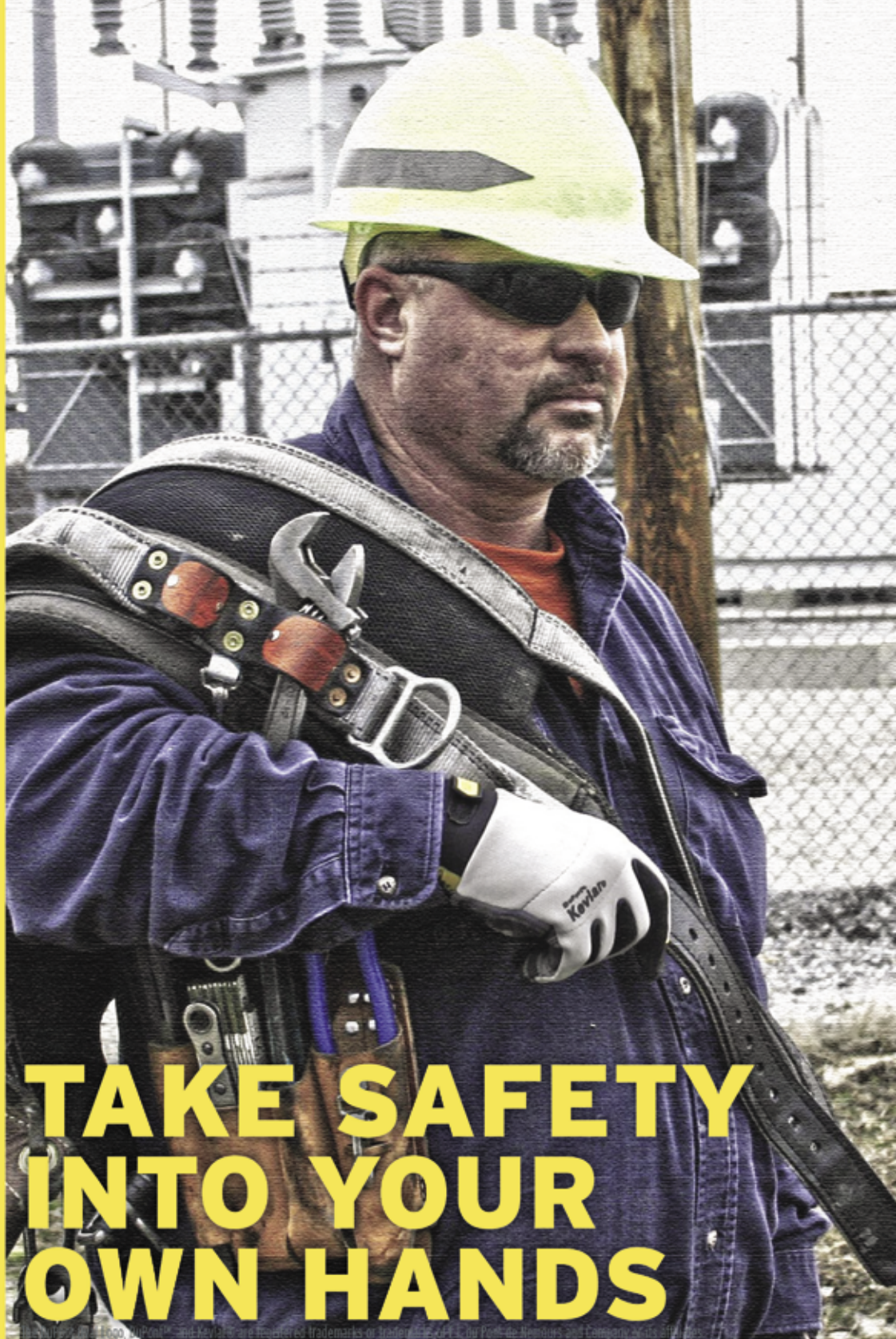
**TITAN IMPACT RESISTANT LINED WITH KEVLAR®**  
mfg# 09-9083-10



**GENERAL UTILITY LINED WITH KEVLAR®**  
mfg# 05-3080-70



**FR LEATHER LINED WITH KEVLAR® WIDE-CUFF**  
mfg# 12-3275-60



# TAKE SAFETY INTO YOUR OWN HANDS

**Contact Us About Wear Trials**

**info@ytgloves.com**

**www.ytgloves.com**

**800-680-7177**



**Kevlar.**



**#1 IN DURABILITY**

processes, including kiln drying, stacking, and material preparation. He is supported by an experienced sawyer who also handles cutting.

Casey explains that the AC-36 remains the primary sawmill in the operation; however, increasing demand for wider cuts—specifically for single-piece tabletops, bar tops, and kitchen islands made from large-diameter logs—prompted the purchase of a Super Wide AC-62, Cook's largest mill, approximately

two and a half years ago.

"The purchase was made with the expectation that it would prove its value over time, and it has," says Casey. "With the sale of the next large log, the investment will have fully paid for itself."

When working with the Original Equipment Manufacturer (OEM), Casey appreciates the cost-effectiveness of maintaining the equipment. "With many of their parts readily available, maintaining the sawmills costs much less than comparable equipment," he says.

He has also found the sawmill OEM to be very responsive to any specific needs, even custom requirements.

"They'll custom-build anything, reinforcing it, if needed. If you want a motor beyond the recommended horsepower, they will accommodate that too," says Casey.

By integrating automation, precision engineering, and labor-saving features, portable sawmills offer unmatched efficiency for both single and multi-operator setups. This flexibility ensures consistent, high-quality lumber production, making it a smart investment for both small and high-volume operations.

For more information: call 1-800-473-4804; visit <https://cookssaw.com>; or write to Cooks Saw Mfg., LLC at 160 Ken Lane, Newton, AL 36352 USA.

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



An ounce of prevention is worth a pound of cure



Line Guard | Pole Guard | BirdBloc  
Learn More at [CritterGuard.org](http://CritterGuard.org)



# RAMSEY WINCH®



## HDP4000

Heavy Duty Planetary

- Pull: 4,000lbs.
- Cable Capacity: 89ft.
- Speed: 86 fpm
- Application:
  - Wood chipping
  - Utility line clearing
  - Disaster clean up
  - Land clearing

## PATRIOT 16500

Heavy Duty Planetary

- Pull: 16,500lbs.
- Cable Capacity: 85ft.
- Speed: 22 fpm
- Application:
  - Utility & service trucks
  - Fire & rescue
  - Waste & refuse
  - Forestry

## HELIOS 20000

Heavy Duty Planetary

- Pull: 20,000lbs.
- Cable Capacity: 260ft.
- Speed: 21.8 fpm
- Application:
  - Heavy hauling
  - Equipment transport
  - Loaders & earthmovers

Visit [www.ramseywinch.com](http://www.ramseywinch.com) or call 800-777-2760.



**TITAN** CONNECT  
**POWER**  
On Demand  
AUTO CRANE



## MAXIMIZE EFFICIENCY with Work Truck Automation

Increase productivity and savings.  
Decrease fuel and maintenance costs.

The Power On Demand™ system automates and optimizes your work truck's engine and PTO power to give you:

- Decreased fuel costs from unnecessary idling.
- Reduced carbon emissions.
- Remote troubleshooting and fleet monitoring.
- Extended engine and chassis life.
- Increased productivity.

Visit our website or contact your local dealer to learn more.



**AUTO  
CRANE**®

autocrane.com | Phone: 800-777-2760

800.557.0098 | [golight.com](http://golight.com)

# GO LIGHT



DURABLE  
VERSATILE



POWERFUL  
GUARANTEED

## Ad Index

Company	Pg.	Website
Auto Crane	14	<a href="http://www.autocrane.com">www.autocrane.com</a>
Brown Bear Corp	1	<a href="http://www.brownbearcorp.com">www.brownbearcorp.com</a>
Conduit Repair	3	<a href="http://www.conduitrepair.com">www.conduitrepair.com</a>
Coolshirt	7	<a href="http://www.coolshirt.com">www.coolshirt.com</a>
Critter Guard	12	<a href="http://www.critterguard.org">www.critterguard.org</a>
Go Light	15	<a href="http://www.golight.com">www.golight.com</a>
Grace Industries	9	<a href="http://www.graceconnectedsafety.com">www.graceconnectedsafety.com</a>
Maddox Transformers	5	<a href="http://www.maddoxtransformer.com">www.maddoxtransformer.com</a>
Portable Lighting Solutions	BC	<a href="http://www.portablelightingsolutions.net">www.portablelightingsolutions.net</a>
Ramsey Winch	13	<a href="http://www.ramseywinch.com">www.ramseywinch.com</a>
Rome Plow	IFC	<a href="http://www.romeplow.com">www.romeplow.com</a>
Sellick Equipment	2	<a href="http://www.sellickequipment.com">www.sellickequipment.com</a>
Underground Devices	IBC	<a href="http://www.udevices.com">www.udevices.com</a>
Working Concepts	16	<a href="http://www.safeworker.com">www.safeworker.com</a>
Youngstown Gloves	11	<a href="http://www.ytgloves.com">www.ytgloves.com</a>

**Work shouldn't hurt.**

**SOFT KNEES®**  
No-Strap Knee Pads

**STOP a LADDER®**  
Another fine **ergoKNEEL** product  
www.ergokneel.com

**NEW SIZE**

**STOP a LADDER**

**888-456-3372 • [www.safeworker.com](http://www.safeworker.com) • [info@safeworker.com](mailto:info@safeworker.com)**

THE SECRET TO

# UNDERGROUND POWER TRANSMISSION



OUR WUNPEECE TRANSMISSION SPACERS REDEFINE THE INDUSTRY STANDARD FOR UNDERGROUND POWER TRANSMISSION INSTALLATIONS. WITH PRECISION ENGINEERING AND UNMATCHED QUALITY,

JOIN THE RANKS OF INDUSTRY LEADERS WHO TRUST UNDERGROUND DEVICES FOR THEIR POWER TRANSMISSION NEEDS.



VISIT [WWW.UDEVICES.COM](http://WWW.UDEVICES.COM)

AND EXPERIENCE THE FUTURE OF UNDERGROUND POWER INSTALLATION

# THE **NEXT** GENERATION OF BALLOON LIGHT SOLUTIONS

THE **ONLY** BALLOON LIGHT  
WITH A REPLACEABLE SCREW  
IN LED BULB THAT IS FIELD  
SERVICEABLE IN MINUTES



- PATENTED SLIDE ASSEMBLY
- PUSH TO RAPIDLY DEPLOY
- NO PATCH KITS
- NO BLOWER MOTOR
- NO SET SCREWS

"AS A HEAVY EQUIPMENT MECHANIC,  
I WORKED MANY NIGHTS KEEPING  
ROAD CONSTRUCTION MACHINERY  
RUNNING. I SAW THE CHALLENGES  
CREWS HAD KEEPING JOB SITES  
SAFE AND OPERATIONAL"

- Craig Shellman, Founder



PLSINC200@GMAIL.COM | (847) 533-3016  
[www.portablelightingsolutions.net](http://www.portablelightingsolutions.net)

