

September 2022

THE MOST UNIQUE AND RELIABLE RESOURCE FOR TODAY'S ELECTRICAL CONTRACTOR

THE ELECTRIC CURRENT

Company Spotlight:
Protec Equipment
Resources



New Products
from JCL Energy



PENN ALUMINUM CONDUIT & EMT

A Marmon / Berkshire Hathaway Company

Aluminum EMT *The Smart Choice*



Lower Cost



Reduced Labor



Lighter Weight



Easier Fabrication



Superior Appearance



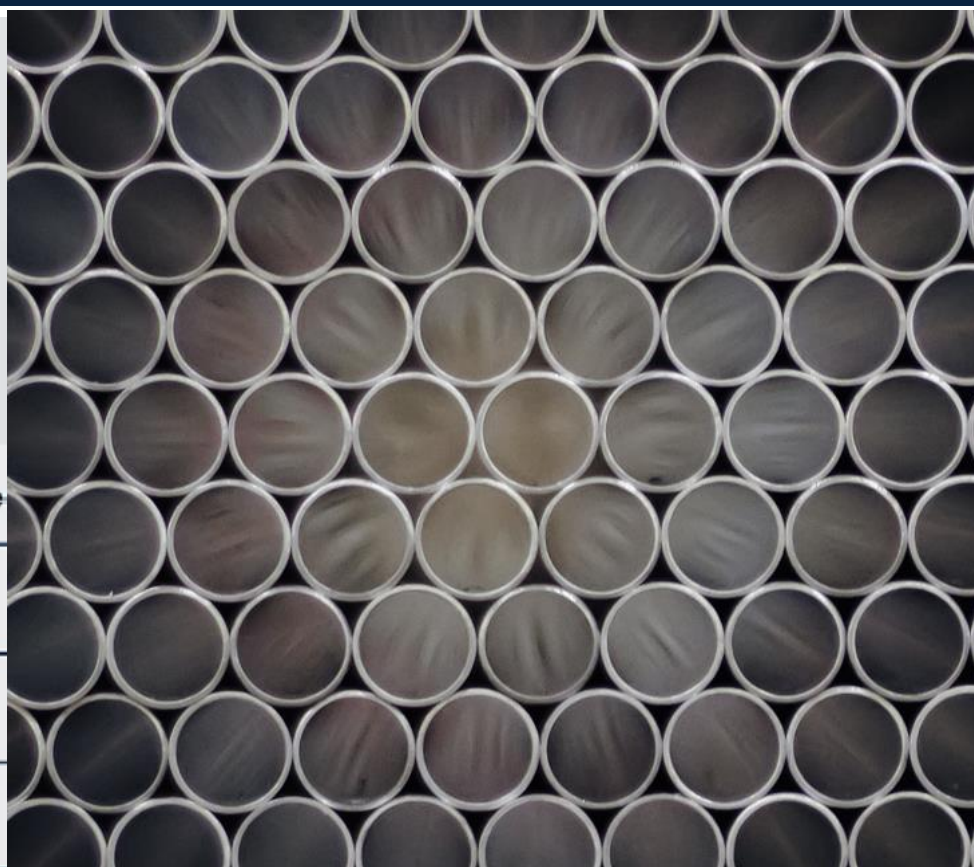
Enhanced Safety



100% Recyclable



Non-Corrosive



The benefits of Penn Aluminum conduit products result in overall electrical project savings, jobsite worker safety and valued environmental sustainability, making them *the smart choice* in the competitive electrical industry.

As part of Marmon Holdings, Inc., a Berkshire Hathaway Company, Penn Aluminum Conduit & EMT carries on the proud 100-year history of Penn Aluminum - a premier manufacturer of aluminum tubing serving critical American Industries.

Proudly Serving America's Heartland



Penn Aluminum Conduit & EMT
1117 North Second Street • Murphysboro, IL 62966
800-445-7366
www.pennconduit.com



"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 lineman 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.

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
TEMPERATURE CONTROLLED GARMENTS

PG 4	Company Spotlight: Protec Equipment Resources
PG 10	Company Profile: JCL Energy
PG 16	New Products from JCL Energy
PG 22	Protec Equipment Resources Announces Jason Henry as President
PG 28	Ad Index



Pg 16

The test tools you need - for the information you require.



From monitoring equipment, tools and test instruments to the need for on-going calibration requirements and the training to understand everything - there is no wonder the maintenance professional is overwhelmed. With the availability of new and upcoming technology, information overload can quickly set in when trying to put together the best maintenance solution. **That's where we come in.** EDE can demystify electrical testing programs, offer support, training programs and the high tech equipment to make your maintenance activities straight forward and motors and generators doing what they are supposed to do - run. We will help you **Find the Way.**



• 970/292-8207 • www.edeinst.com •



Vol. 22 Issue 9

PRESIDENT

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

ASSOCIATE PUBLISHER

Steven Goodwin
205-624-2181
steve@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.theelectriccurrent.com
info@theelectriccurrent.com



The Electric Current™ is published twelve times a year on a monthly basis by Southern Digital Publishing, Inc. *The Electric Current™* 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.

The Electric Current™ is distributed to qualified owners and managers in the electrical 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

SELLING. BUYING. SERVICE. SIMPLE.

Coast to Coast, **JCL Energy** is **your** Trusted Provider of Industrial Electrical Equipment & Services!

TRANSFORMERS

We are your go-to resource for **New** and **Reconditioned** Transformers. **JCL Energy** provides quality equipment to power up your project - including Pads, Subs, Drys, Pole Mounts, and Switchgear. Our quick lead times will get your project up and running in no time!



SERVICE & REPAIR

With our "Boots on the Ground" mentality, our team of highly trained professionals offer the very **best** in Repair / Reconditioning services. Need on-site service? **We'll bring the shop to you!** Our Field Service team is ready to respond 24 / 7 throughout the North / Southeast.



SURPLUS BUYING

At **JCL**, we say "We buy surplus like drunk monkeys!" It sounds silly at first, but it's our fun approach to a process we take **very** seriously! **We want to buy your surplus equipment!** Send us photos, nameplates, test reports, and oil analysis to get the process started.



RENTALS

For all your temporary power needs, call **JCL Energy!** We have a variety of transformer options, as well as 50' and 100' medium voltage cable options available. We'll work with you every step of the way to customize an option that fits **all** your needs.



JCL ENERGY

WE ARE ⚡ TRANSFORMERS

P 724.983.1300

TF 866.983.1300

E Sales@JCL.Energy

W JCL.Energy



YOUR INDUSTRIAL TRANSFORMER EXPERTS





Company Spotlight: Protec Equipment Resources

Protec Equipment Resources is the premier source for electrical test equipment rental, sales, calibration, asset management, and training in the power industry.

RENTAL & SALES

Protec offers flexible daily, weekly, and monthly rental rates, as well as long-term leases, for industry standard testing equipment from leading manufacturers such as Megger, Omicron, Fluke, and many others.

As an authorized reseller for many manufacturers, Protec can work with you to acquire new equipment; or you can purchase less expensive, well-maintained used equipment from our rental fleet. Having eight locations in Dallas, Chicago, Los Angeles, New York, Atlanta, Denver, Houston and Reno allows for easier local pick-up/drop-off for customers to avoid expensive shipping charges. We are within a 1-day ground

shipping radius for many states, thereby reducing the need (and cost) for overnight shipping.

CALIBRATION

Protec currently houses four calibration labs, which offer calibration services for most makes and models of electrical test and measurement equipment. Working in our in-house laboratories, our qualified technicians will ensure that your electrical test instruments are working at peak performance and meet all manufacturer standards. Quick turn-around is standard, with most equipment completed in five business days or less. Expedited and emergency service are available. Protec can also provide discounted rental equipment, so you can continue to work while your equipment is being calibrated.

ASSET MANAGEMENT

Protec's asset management service eliminates overhead and minimizes equipment downtime by

Upgrade your building wire.



Artist rendering of Copperweld®
Building Wire Products



Theft Deterrent

Metallurgically bonded conductor lowers scrap value, reducing theft incentive.



Code Compliant

NEC Compliant for 600 Volt branch circuit conductors since 1972.



Cost Stable

Reduced exposure to commodity fluctuation, improving your bottom line.



Energy Efficient

Better energy efficiency than standard branch circuit wiring.



Safety Tested

Listed by UL and ETL to industry safety standards per OSHA.



Performance Proven

50 years of safe use with standard circuit components.



Learn More

Copper where it counts™

Contact us for sales and info:

615-777-8595

buildingwire@copperweld.com

copperweld.com

customizing a unique solution to store, calibrate and maintain equipment for whenever and wherever you need it. We know it's important to be able to track all aspects of your equipment including maintenance, service, and calibrations. That's why Protec offers a full-service asset management service customized for your individual needs that includes complete in-house maintenance; quality control, logistics, repair and calibration; analytics (ROI, Yield, and Utilization); inventory management; discounted rentals for supplemental equipment; multiple locations for housing your equipment based on demand; and a dedicated support team.

TRAINING

Protec provides training services to field service technicians and electrical contractors through onboarding and continuing education credits, by providing a subscription-based on-demand Learning Management System as well as live online instructor-led classes for technicians needing to maintain their credentials. Protec is a charter corporate alliance partner and administratively authorized course

provider for the InterNational Electrical Testing Association (NETA). Protec is also a National Institute for Certification in Engineering Technologies (NICET) Recognized Training Provider. These designations allow Protec to offer CTDs for NETA credentials and eligibility for CPDs for NICET credentials. Protec also hosts monthly free webinars every third Thursday. These live webinars offer the chance to earn NETA CTDs and eligibility for NICET CPDs. Upcoming webinars can be found at <https://protecequip.com/webinars>. SUPPORT If you are not sure what equipment best fits for your needs, call us for a consultation and quote. We have excellent electrical testing and application support from long-time industry veterans. Give us a call and put us to the test! For more information or to get a quote, call us at 866-352-5550 or visit www.protecequip.com •

PROtec
EQUIPMENT RESOURCES

TVINTIER®
RB611T

**TAKE TYING
REBAR TO
CONDUITS
TO THE
NEXT LEVEL!**

- COST SAVING
- SHORTER TIE HEIGHT
- LONG LASTING BATTERY
- LARGE JAW SIZE TO TIE CONDUIT TO REBAR
- FIVE TIMES FASTER THAN HANDTYING



COMMON CONDUITS:
RMC • IMC • EMT • ENT
FMC • LFMC • RIGID PVC
TIE CONDUITS TO MESH & CHAIRS



SCAN TO
WATCH VIDEO

MAX

ENGINEERED FOR PERFORMANCE



MAX USA Corp. • 205 Express St. • Plainview, NY 11803 • U.S.A. • Phone: (800) 223-4293 • FAX: (516) 741-3272 • www.maxusacorp.com

NFPA 70E Training

Get Your Workers Certified to the 2021 Standard!

Approved for 20 NETA CTDs & Eligible for NICET CPDs!

Electrical Safety for the Qualified Worker training is aimed at qualified electrical workers to help them build capabilities, knowledge and safe work practices when working around energized electrical systems. Protec Equipment Resources now offers a live online instructor-led 2.5 day course that meets the NFPA 70E @ 2021 standard for electrical safety in the workplace!



Live Instructor-Led

People taking this class for the first time are required by the 70E 2021 standard to take it "live". Whether online or in-person, to be compliant, there must be interaction and engagement with an instructor.



Great Price

Less expensive than in-person programs, with more curriculum and volume discounts!



Strongest Content Offering

20 hours (2.5 days) of practical tutorial that includes grounding as a topic!



Conveniently Consistent and Flexible

Virtual live online classes at a known date and time every month! Enroll 1 or 30.



Reduces Travel Time and Costs

Minimize workers' time away from the office; eliminate the cost of travel and per-diem.



High Level of Instruction

Train with Tom Sandri, well-known in the electrical testing industry with over 30 years of experience. Tom was certified by a committee member and writer for the 70E certification.

FOR MORE INFORMATION

Scan the QR Code below with your phone's camera and click the link that appears



or visit

ProtecEquip.com/QEW

PROtec
EQUIPMENT RESOURCES



NETA
CORPORATE ALLIANCE PARTNER

Administratively Approved
Course Provider



Tom Sandri
Director of
Technical Services



SYLVANIA Outdoor Luminaires

Light your way to safety and savings

SYLVANIA UltraLED™ CCT Selectable Wall Packs, UltraLED Mini Wall Packs and the ValueLED™ Area Light are environmentally preferable LED alternatives to conventional luminaires. Available in several wattage/lumen packages, these outdoor luminaires offer up to 74% energy savings. Ideal for building exteriors, outdoor corridors, walkways, stairwells and parking lots. All backed by a 5-year warranty.

LEDVANCEUS.COM





SYLVANIA LED Lamps and Fixtures Light the Way for Portland Transit Services

Providing bus, light rail, and commuter rail transit services to the Portland, OR metro area since 1969, the TriMet transit system has been connecting people with their community, easing traffic congestion, reducing air pollution, and enhancing lifestyles in and around Portland for over half a century.

Serving between 1-2 million riders weekly, the leading transit system has also long been on the forefront of sustainability, as demonstrated by such progressive initiatives as its fleet of 'MAX' electric buses fully powered by renewable energy, as well as its solar panel installations, eco-track project, and investment in the emerging field of regenerative braking.

Thousands of older HID and fluorescent lamps illuminated the many bus and rail garages, yards, and parking lots where TriMet bus and rail vehicles came for repairs, maintenance, engine rebuilds, and body work, and where drivers came to receive their assignments. "We underwent an annual inspection in 2020 at our central bus yard and were informed that we needed to enhance the fasteners in our fixtures to make them code-compliant," shared Karen Powell, TriMet's Director of Facilities Management. "In addition to creating dark spots in our space, our lights were difficult to access and maintain, requiring the scheduling of a bucket truck and the rearrangement of transportation operations. We realized it made no sense to fix those aging fixtures," she said. "We knew that an upgrade to safe, high-quality, and energy-efficient new LED lighting technology would benefit our employees, passengers, and community members alike."

The \$2.4 million upgrade project kicked off September 2020, covered 585,000 square feet of TriMet space, and involved the installation of approximately 10,000 LED products, with around 70% of them being SYLVANIA LED lamps and fixtures from LEDVANCE. The new lighting design involved everything from SYLVANIA LED retrofit strip kits to exterior area lights, wall packs, wide body vapor tights, and linear high bay systems in TriMet's wash bay and fuel house.

"The safety and comfort of our employees is paramount and our new SYLVANIA LED products have delivered everything from improved productivity and safety to reduced energy consumption and better-quality lighting – all of which have truly transformed our space. Our team has commented on how the new lighting has made them feel even more positive in their workspaces. We have also seen a reduction in trespassing incidents due to the improved lighting," TriMet's Powell confirmed.

Visit LEDVANCEUS.COM to learn more.

SYLVANIA 



Company Profile: JCL Energy

If you need new or reconditioned industrial distribution transformers, there's only one name you need to know... JCL Energy. JCL's team of highly experienced individuals are working and thriving in the space that they know best: Industrial Transformers, Equipment, and Electrical Gear. Coast to coast, JCL Energy is your trusted provider of electrical transformers and your go-to resource for buying, selling, and top-quality service & repair.

JCL may be a newer player in the transformer industry, but their team of experts are no strangers to the game. With over 120 years of combined expertise and experience, JCL's team is second-to-none when it comes to getting the job done. Owner and founder Jim Landino is an industry veteran with 30+ years of experience spanning every level. Formerly the owner of Sunbelt Transformer Inc., Landino started JCL Energy in early 2020, just in time for the pandemic shutdown. A global health crisis couldn't stop the JCL Energy team, though, and the company has grown exponentially over the first few years of its life. A big part of that growth is due to the strength of the team. JCL focuses on putting the right people in the right places, and then letting them do what they do best. And it works.



Redefine roadway performance

Introducing RoadMax

Evluma's next generation roadway luminaires deliver uncompromising performance and industry leading glare control. Because essential roads deserve exceptional light.

Lightfair, Las Vegas
June 21-23, 2022, Booth #2546

RoadMax™
by **evluma**

evluma.com | sales@evluma.com

JCL's success also has a lot to do with the company's attitude and outlook; it's all about putting people first and keeping things honest, straightforward, and friendly. Unchained from corporate affiliations, JCL Energy is a "boots on the ground" company willing to put in the extra effort to get customers what they need, fast! The focus is "people, process, product" - in that order!

Powering up your next project or worksite? JCL

Energy's industrial distribution transformer offerings include: padmounts (10MVA / 34.5kV & Below, Single & Three Phase), substations (60MVA / 138kV & Below, Single & Three Phase), dry types (5MVA / 34.5kV & Below, Single & Three Phase), pole mounts (36kV / 600V & Below, Single & Three Phase), and switchgear units (35kV / 600V, Live Front & Dead Front). JCL currently has a wide range of units in stock and ready to ship immediately, with no duties, tariffs, or hassle for you!



An ounce of prevention is worth a pound of cure



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



In the market for a more sustainable option? JCL Energy offers expertly reconditioned transformer units as well. Reconditioned units are methodically tested, restored, and are backed by warranty. The reconditioning process includes but is not limited to: TTR and Megger testing, HV and LV winding resistance testing, phase polarity testing, impedance testing, no load and load loss testing, oil dielectric sampling, pressure testing, and DOBLE testing (upon request).

The JCL Energy team is also equipped to handle all emergency and non-emergency repairs. Their expert technicians will inspect, test, and repair your transformer to ensure it returns to you at ANSI Standard. Always focused on your needs, the in-house and field service teams provide expert problem-solving and solutions to keep you up and running. With the addition of a new team of service and repair experts out of Greenville, SC in early 2022, field service coverage now covers the entire Northeastern and Southeastern US.

If you need temporary power, have a short-term project, or if



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.

1-800-270-2011

sales@maddoxtransformer.com

maddoxtransformer.com

you're waiting for delayed or repaired equipment to arrive, JCL Energy can provide you with temporary power solutions as well. High or low voltage options are available, with customized options that fit the demands of your project site. JCL's team will work with you to make sure you get the option that works best for your needs. All rental transformer and cable options are guaranteed to meet all respective industry standards.

Looking to sell excess or surplus equipment? JCL Energy is always looking to purchase new and used units and equipment! From transformers & switchgear, to components, fuses, & fluids, to voltage regulators & control panels, and more, JCL wants to buy your surplus. No matter where you are located, the process is easy. Count on fast, friendly, and knowledgeable negotiations, logistical convenience (all transportation is handled), and a guaranteed Fair Market Offer. Get the process

started by sending in photos of the unit and nameplate, test reports, and oil analysis.

It's no secret that the market has become fragmented in the past few years, causing an unhappy workforce, difficulty of doing business, and under-served customers. JCL Energy wants to change that with passion, energy, and hard work. Founder Landino said, "Over the last 30 years the transformer industry has instilled in me the values in which we are operating with at JCL Energy; honesty, fairness, equitability, and going the extra mile for the customer." Even on the most challenging days, JCL exists to make the customer the hero.

Count on JCL's fast, friendly, and honest transformer professionals to assist with your project or facility requirements. They only know one speed... fast! They only know one word... yes! They only know one way... easy! Call today and find out why thousands of businesses depend on JCL Energy for their industrial transformer needs.

www.jcl.energy •

PowerSight®

Power Quality Analyzers & Loggers








Easy to Use & Learn

Buy or Rent Up to 100 Systems

Domestic Tech Support

Wizard & AI Tools Save Time and Eliminate Errors

Renewable Warranties that Include Calibrations

1-2 Day Shipping on Most Orders



Most Popular:
PK3564-PRO System



Made in USA
with US & Imported Parts

NETA 2022
POWERTEST
March 1 • Denver, CO

Come See Us at
Booth #908
for exclusive
offers!

PowerSight.com • sales@powersight.com • 1-925-444-7027

***Making perfect
connections has
never been simpler.
In fact, now it's a
SNAP!***

NEW **SNAP Connectors** from Greaves. A revolutionary compression connector concept that gets the job done with just a few turns of a standard wrench!

- ▶ Time-saving, easy installation
- ▶ Superior pull-out strength and conductivity
- ▶ No bulky and costly tools and dies



GREAVES



New Products from JCL Energy

JCL Energy offers only the best in new and reconditioned industrial distribution transformer units. We've got the padmounts, substations, dry types, pole mounts, and switchgear units you need to power up your next project.

JCL has a range of units currently in stock and ready to ship immediately. The market is tough right now, with lead times reaching up to 60 weeks from overseas suppliers. Additional duties and tariffs make things even more complicated and expensive. Why go through all that trouble when JCL has units in stock right now! No duties, no tariffs, no hassles!

We offer padmount units ranging up to 10MVA / 34.5kV, in both single & three phase options. All units are guaranteed to meet all NESA and ANSI Standards. A full range of standard features are included,

Relax On Payroll Fridays

- 5 Minute Friday Payroll
- Internet Based • Encrypted
- Avoid Jail Time and Costly Fines
- Identifies All Davis Bacon Compliance Errors
- 80% Savings of Time and Money Compared to Manual Payroll Preparation



e - Mars, Inc.
"Compliance at your Fingertips"
58,000+ Construction Clients

eMarsinc.com
Ph: 480-595-0466

WE HAVE THE ROPE TO GET THE JOB DONE.



BUCCANEER
rope company
Providing strength & stability, with a twist.

with options for live front or dead front, loop or radial feed, non-PCB type II mineral oil or high flash-point natural ester fluid, and more. We also offer a range of optional features like dead front connection parts, loadbreak oil sectionalizing switches, bayonet and current limiting fuses, and many other options.

We offer substation units ranging up to 60MVA / 138kV, in both single & three phase options. All units are guaranteed to meet NESA, ANSI C.57, DOE and IEEE standards. A full range of standard features are included, like a reinforced steel plate tank and a high-grade silicon-steel core. The bases are suitable for rolling or skidding, with a provision for jacking or lifting.

Looking for an alternative to oil filled transformers? We offer dry types ranging up to 5MVA / 34.5kV, with single & three phase options available. All units are guaranteed to meet NESA, ANSI C.57, DOE and IEEE standards, and are stored inside our warehouse, away from snow, sleet, rain, sun and other conditions.

Need pole mounted power? Whether you need a bank of pole mounted transformers with matching impedances or a single pole mount to fit your application, JCL Energy is the place to start your search. We have pole mount transformers in-stock for your residential or commercial application, ready to ship! Options range from 36 kV / 600 V and below, all guaranteed to meet NESA and ANSI standards.

Your time and money are valuable. When it comes to powering up your next project, don't waste either one! Call JCL Energy, your go-to source for industrial distribution transformers.

www.jcl.energy •



Custom Insurance for the Construction Industry

With XINSURANCE, You Get...

- All-In-One Approach
- Agent Friendly
- Limits up to \$10MM
- Property & Casualty
- Professional Liability
- Commercial Auto Liability
(available in most states)
- Products Liability
- Exclusions/Gaps in
Current Coverage & More

Ask us
about our new
coverage option –
Communicable
Disease
Liability



To get your free
custom insurance
quote for the
construction industry,
visit www.xinsurance.com

You can also contact
Logan Fitzgerald directly at
801.304.5562 or
loganf@xinsurance.com

XINSURANCE is powered by Evolution Insurance Brokers, LC ("EIB"), an excess and surplus lines insurance brokerage. XINSURANCE is a DBA of EIB, which is domiciled in and has its principal place of business in Sandy, Utah. This insurance product is offered by an unlicensed surplus lines insurer. The NPN for EIB is 5464658 and CA license number is OH93938.

XINSURANCE



SLIMLEDTMMULTI

**MULTI-APPLICATIONS, SELECTABLE TEMPERATURE,
MULTI-COLORS, NOT SOLD SEPARATELY**

With the SLIMLED MULTI you can easily convert a standard
Octagon Box into a recessed downlight.



Fire-rated when
installed in a fire-rated
Octagon Box



All New, Best-In-Class



3-PHASE SURGE PROTECTIVE DEVICES



MODELS	PHASE	VOLTAGE	SPD TYPE	AGENCY	ENCLOSURE	MAX SURGE
ICM530	3-PHASE	DELTA 240VAC or WYE 120/208VAC	TYPE 1 & TYPE 2	UL LISTED	NEMA 4X RATED	150,000 AMP
ICM531	3-PHASE	DELTA 480VAC or WYE 277/480VAC	TYPE 1 & TYPE 2	UL LISTED	NEMA 4X RATED	150,000 AMP
ICM532	3-PHASE	DELTA 600VAC or WYE 347/600VAC	TYPE 1 & TYPE 2	UL LISTED	NEMA 4X RATED	150,000 AMP
ICM533	3-PHASE	DELTA HIGH-LEG 120/240VAC	TYPE 1 & TYPE 2	UL LISTED	NEMA 4X RATED	150,000 AMP

View all ICM single & three-phase Power Protection Products @ www.icmcontrols.com



Los Angeles, CA

Always 250+
Specialized Trucks & Equip.
Delivery Throughout the U.S.A.

800.896.2480

MONTHLY RENTALS AVAILABLE



**HOGG-DAVIS HP-650
Cable Pulling Trailer**

Stock # 14176-8

**CHEVROLET Diesel
Texoma TX-245B Digger Derrick**

Stock #14319-8



**FORD Diesel Champion
Cable Scraper
Hi-Speed Cable Removal**

Stock # 14181-8



**Sherman Reilly UnderDawg
Bull Wheel Puller**

Stock # 14549-8

www.alasher.com

Protec Equipment Resources Announces Jason Henry as President

Protec Equipment Resources, the electrical test and measurement equipment rental experts, has announced that Jason Henry has been named as President. Henry has been promoted from his previous position as Vice President of Operations.

"I'm excited for Jason to lead the company into the next level of growth," said Kevin Nichols, Owner and Chief Executive Officer. "With his 25+ years of experience in our industry, Jason brings excellent leadership skills and expertise to navigate the next phase for Protec."



Henry brings a wealth of experience in electrical testing field service operations, project management, and strategy within the power generation service industry. He joined Protec in November 2021 after spending over 25 years in various roles focused on field services at Shermco Industries.

"I've worked closely with Protec Equipment Resources as a customer when I was with Shermco," says Henry. "I'm very excited about the opportunity to lead our Protec team and look forward to our continued growth and success in the years to come."

www.protecequip.com •

Rugged Dependability

STANDARD IN EVERY MACHINE WE BUILD!

Hogg & Davis has been proudly
manufacturing utility line equipment
for more than half a century.



Our trusted products are part
of the fleets and tool cribs of
nearly every investor-owned
power and communications
company in the United States
and Beyond.



HOGG & DAVIS, Inc.

HOGG & DAVIS, INC.

3800 EAGLE LOOP • ODELL, OR 97044

TEL 541.354.1001 • FAX 541.354.1080

WWW.HOGGDAVIS.COM



SAFELY Lifts Up To 500 lbs!

- Ergonomic
- Portable
- Lightweight
- Meets OSHA & ASME Requirements

Customized Safety Lifting Devices For Any Application

Available in both
CHAIN & CABLE
Configurations



The Sky Hook is your personal safety lifting solution, preventing lifting injuries while saving you both time and money!

800-4-SKYHOOK

800-475-9466 • 208-365-5770

www.skyhookmfr.com



800.557.0098 | golight.com

GO LIGHT

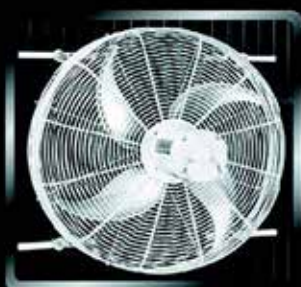


DURABLE
VERSATILE



POWERFUL
GUARANTEED

Get Cool!



Extend
transformer
life!

Increase
transformer
capacity up
to 166%!

- expert technical assistance
- low sound levels
- energy-efficient motors
- large inventory
- one-piece cast aluminum blades
- galvanized or stainless steel guards



p.o. box 187 germantown, wisconsin 53022

262.253.3310

www.krenzvent.com

CIRCUIT IDENTIFICATION GOT YOU DOWN? WHY NOT TRACE OUTSIDE THE BOX!!

INTRODUCING "CIRCUIT MAPPER"™
THE ULTIMATE IN CIRCUIT LOCATING
FROM TASCO

Transmitter
Connects
at Panel



LED Readout
Indicates
Specific Circuit

Additional Info / Orders
1-800-999-9952

Unconditionally Guaranteed
30 Day Trial Available!

The Circuit Mapper™, model CMT42DS, is the only device of its' kind that locates multiple branch circuits of wiring systems with a single transmitter and receiver!

- Determine which breakers are serving specific branches in seconds.
- Digital signal for utmost accuracy.
- Locate up to 84 branches concurrently. *with additional transmitter
- Save time and money by greatly reducing manhours.

TASCO, INC. • 2895 W. OXFORD AVE., #7 • ENGLEWOOD, CO 80110
(303)762-9952 www.tasco-usa.com

INSPECT AND LOCATE WITH SPEED, ACCURACY AND CONFIDENCE



**VIVAX
METROTECH**

➤ vCam-6 HD Inspection System

- 9.7" HD Display
- 1TB Hard-drive
- 1080 HD Cameras
- 512Hz Sonde
- Locatable Pushrod
- MP4 Recording format

➤ vCamMX-2 Mini Inspection System

- 512Hz Sonde
- Locatable Pushrod
- High Resolution Cameras
- Direct USB Recording
- MP4 Recording format

➤ vLoc3-Cam Sonde and Utility Locator

- Directional arrow guidance
- Locates sondes and pushrod
- Graphical user interface
- Optional Bluetooth connectivity
- 4.3" Full-color display



vLoc3-Cam

vCamMX-2



Full HD
1080p

vCam-6

Vivax-Metrotech Corporation

Call us for a no-obligation on-site demonstration!

3251 Olcott Street
Santa Clara, CA 95054, USA

1-800-446-3392
SalesUSA@vxmt.com

www.vivax-metrotech.com
vivax_metrotech



Visit our YouTube channel
to see actual videos.

INNOVATIONS

Faster Safer Workspace

iTOOLco.



ALL JACK™

Increase productivity and decrease fatigue using iTOOLco's All Jack™. Install pipe, lights, cabinets, drywall, temporary dust barriers and much more with this innovative jack designed to lift and support the weight of your workpiece while you anchor it into position.

High ceilings and ladder work are not a problem for this dynamic tool. Reach from 58" to a staggering height of 13'6". The industrial gas shock ensures a snug, stable support that stays in place while you complete the installation. Once your workpiece is secured into place, simply remove the All Jack™ by releasing the shock. More powerful than a typical support pole, the All Jack's gas shock can handle your most challenging jobs.



SCAN QR

CORDLESS CANNON 3K™

Speed, Versatility, and performance are all yours with iTOOLco's Cordless Cannon 3K™. This portable 3,000 lb. puller is intuitively designed to handle all of your day-to-day wire pulls.

The built-in capstan switch automatically turns the puller on and off. Simply tug on the rope to start the pull and slack off the rope to shut it down.

Delivers dynamic performance in remote locations or areas where power is not yet available.

The high-capacity rechargeable battery is long-lasting and delivers maximum power.

The Cannon 3K™ will even chew through a medium size run of 4 - 350 in 3" conduit with 4 - 90s 220' long in record time and still have half the battery life for your next pull.

SCAN QR



FOLLOW US:



Ad Index

Company	Pg.	Website
Asher & Sons	21	www.alasher.com
Buccaneer Rope	18	www.bucrope.com
Coolshirt	1	www.coolshirt.com
Copper Weld	5	www.copperweld.com
Critter Guard	12	www.critterguard.org
Emars	17	www.emarsinc.com
EDE Electric	2	www.edeinst.com
EvLuma	11	www.evluma.com
GoLight	25	www.golight.com
Greaves	15	www.greaves-usa.com
Hogg Davis	23	www.hoggdavis.com
iToolCo	27	www.itoolco.com
ICM Controls	20	www.icmcontrols.com
JCL Energy	3	www.jcl.energy
Krenz Vent	26	www.krenzvent.com
LEDvance	8, 9	www.ledvance.com
Lite Line	20	www.liteline.com
Maddox	13	www.maddoxtransformer.com
Max USA	6	www.maxusacorp.com
Penn Aluminum	IFC	www.pennconduit.com
Powersight	14	www.powersight.com
Protec	7	www.protecequip.com
Resa Power	IBC	www.resapower.com
Sky Hook	24	www.skyhookmfr.com
Tasco Inc	26	www.tasco-usa.com
Vivax Metrotech	26	www.vivax-metrotech.com
Voltec	28	www.voltec.com
Windsor Wire	BC	www.windsorwireco.com
X Insurance	19	www.xinsurance.com



MADE IN USA

EXTENSION CORDS



RED > WHITE > BLUE

SJTW SUPER-FLEX Jacket

EXTREME

SJE00W EXTREME TPE Jacket

-94°F TO 221°F

Lighted End

Various Gauges

Various Lengths

Proudly Made In USA



EXTREME VIDEO

RESA POWERTM

Reliable and Safe. The Power of Us.



SCAN ME



TRANSFORMER SERVICES,
ASSEMBLY, COIL REWINDING,
OIL TESTING LAB & PORTAL



BROAD INVENTORY OF
ELECTRICAL EQUIPMENT &
COMPONENTS INCLUDING
OLDER VINTAGE & HARD-TO-FIND



ACCEPTANCE TESTING,
MAINTENANCE & REPAIR SERVICES



resapower.com

RESA Power is the premier national provider of mission-critical power system solutions.

ELECTRICAL CONTRACTOR SUPPORT SERVICES BY RESA POWER

RESA Power's suite of electrical contractor support services and products provides our customers with the assistance they need for new and existing electrical system solutions. Contact us today to learn how we can help you achieve the goals of your next project.

www.resapower.com



Network with us on LinkedIn and follow us on social media as we routinely publish the most recent company news, share best practices, post open jobs, and more.

JOIN OUR TEAM

WE ARE HIRING!

WWW.RESAPOWER.COM/CAREERS

#RESAPOWER #WhyWorkAtRESA #ThePowerOfUs

LET WINDSOR WIRE'S RAPIDPULL HELP YOU SAVE BIG ON

HOME RUNS!

LET RAPID PULLS SAVE YOU TIME!

- Setup one reel per home run pull.
- Pre-measured per home run.
- No balance material to manage after job.
- True color conductors.
- Reel is pre-marked with panel and box ID.
- No ringing out and tagging.
- **LABOR SAVER!**