

June 2022

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Company Profile: EDE Electric Motor Testing

**Klein Tools®
Launches New Kit for
Tracing Energized and
Non-Energized Circuits**

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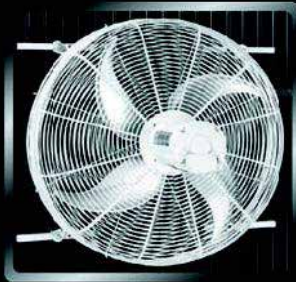
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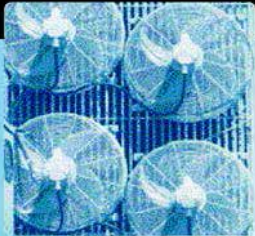
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Klein Tools® Launches Multi- Bit Drivers with 26 Precision Tips Stored in Handle

Klein Tools (www.kleintools.com), for professionals since 1857, introduces the 27-in-1 Precision Multi-Bit Screwdrivers, which house all the bits you need for everyday precision driving, plus an integrated 3.5 mm nut driver.

27-in-1 Multi-Bit Precision Screwdrivers

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"Saving space in your tool bag is a main priority for trade professionals given how many different tools are often required for any particular job," says Austin Minor, group product manager at Klein Tools. "The new 27-in-1 Multi-Bit Precision Drivers feature powerful magnets, a stainless-steel barrel, and 27 different driver tips. The tools save space and eliminate the need for carrying cases. Plus, the driver is available in two different models depending on your application needs."

For more information, visit www.kleintools.com/new-products or search for #NewKleins on social media.

About Klein Tools

Since 1857 Klein Tools, a family-owned and operated company, has been designing, developing and manufacturing premium-quality, professional-grade hand tools. The majority of Klein tools are manufactured in plants throughout the United States and are the No. 1 choice among professional electricians and other tradespeople. For more information, visit www.kleintools.com.

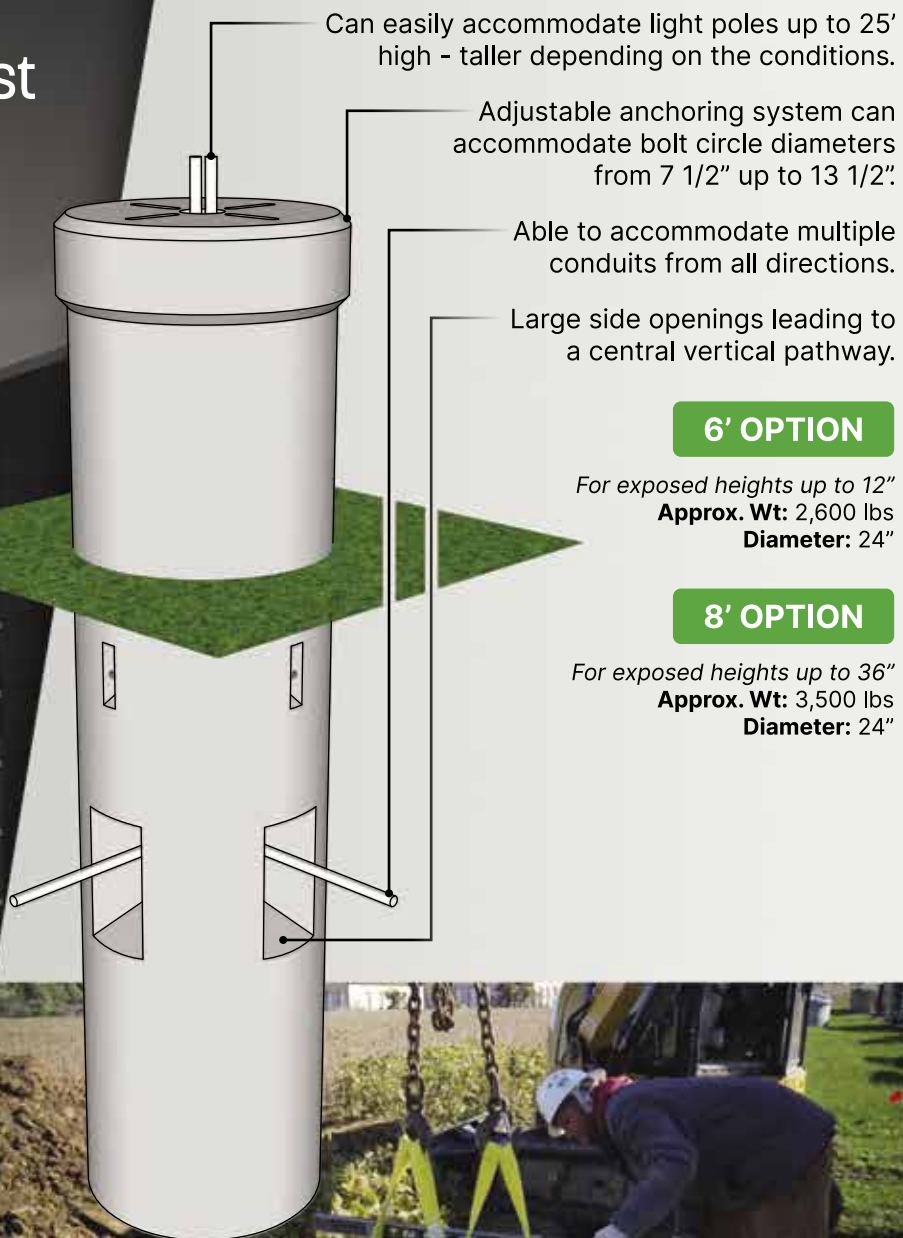
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CARLISLE INTERCONNECT TECHNOLOGIES' LAUNCHES NEW OCTAX® PRODUCT



New series of high-performance, multi-port connectors ideal for defense, commercial aviation and industrial applications

Carlisle Interconnect Technologies (CarlisleIT), a division of Carlisle Companies (CSL), launched the newest in its signature line of Octax® high-speed data connectors: the Octax® Hybrid. Ideal for use in the defense, commercial aviation, and industrial markets, this new series of high-performance, multi-port connectors combines 10 Gb data with additional discretes in a single 38999 shell. It is available in six standard key configurations to prevent mis-mating with adjacent connectors and multiple finishes to suit every application.

"This connector series combines multiple signal needs in a single package and maintains the data port shields through the connector to ensure excellent noise rejection on multiple data ports. It is high density data and signal in a compact footprint," said Jeff Behlendorf, director of product management, Integrated Products at CarlisleIT. "Built with top quality materials and designed for easy installation and maintenance, this product truly embodies the CarlisleIT vision of 'Performance with Purpose.'"

Features and benefits include:

- High Density: up to 8 Octax® in a size 25 shell
- Six key configurations in 11, 15, and 25 shell sizes
- Standard M39029 crimp contacts, enabling re-termination and field repair without the expense of single-use connector solutions
- Compatible with CarlisleIT 26 & 24 AWG Gigabit Series Ethernet cables
- Multiple finishes for commercial aviation, industrial, or defense applications
- Configurable to customer needs

To learn more about this high-performance connector visit www.carlisleit.com/prod-info/octax-38999-style-circular-solutions/ •

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D26-MX

D34-HD

D46-HD



vCam-6 Standard System



Type-CP Standard Reel



MX Mini Reel



vCamMX-2 Mini System

vCam Video Inspection Camera Systems

The vCam inspection systems from Vivax-Metrotech allow you to cover a range of inspections, including municipal collection systems, residential plumbing, indoor commercial lines, and lateral lines from two to eight inches in diameter. Our camera systems use the latest technology packaged in a rugged, lightweight, compact profile for the harsh conditions related to sewer lateral inspections.

Standard Size Systems

The vCam standard size systems consist of the vCam-6 HD control module and Type-CP reel.

The feature-packed vCam-6 control module has 9-inch daylight viewable HD LCD, AC/DC power sources with a rechargeable battery, 1 TB hard drive, full keyboard for text overlay, internal microphone, one-touch recording and image capture, Wi-fi, and file renaming. The vCam-6 is configured to work with popular LACP software through the Mini-USB port and Video Out socket.

The Type-CP reel is constructed of stainless steel tubing welded together and using gusseted plates in heavy stress areas to prevent the frame from bending. The control module can be mounted on top of the Type-CP reel, or the reel can be used in a vertical position. Two user interchangeable high definition camera heads fit this reel, giving the user flexibility to handle 3 to 8 inches lines.

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Mini Size Systems

The all-in-one vCamMX mini-systems consist of the vCamMX control module and MX mini-reel.

The feature-packed vCamMX control module has 8-inch daylight viewable LCD, AC/DC power sources, a rechargeable battery, an on-screen keyboard for text overlay, an internal microphone, and one-touch recording, JPEG image capture, Wi-fi, video out socket and USB port.

The MX mini reel comprises a stainless-steel tubing frame and carbon fiber drum. Two user interchangeable camera heads fit this reel, allowing the user to handle lines from 1-1/2 to 4 inches. Two camera heads are available, and the camera heads are interchangeable by the user in the field. The smaller camera is the model D18-MX which is fixed position and .70-inch diameter, and the model D26-MX is self-leveling and 1.02 inches in diameter. The MX reel can be purchased without the LCD and used with the existing vCam-6 control module.

All Vivax-Metrotech camera systems are backed up by a full one-year warranty, a camera exchange program, on-site training, and local support through our dealer network.

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- FACILITATES MIN. BEND RADIUS REQUIREMENTS
- SUPPORTS CURRENT AND EVOLVING SYSTEMS
- SUPPORTS PoE PLUS
- SPECIFIED BY ENGINEERING FIRMS, HOSPITALS, UNIVERSITIES & GOVERNMENT AGENCIES



Klein Tools® Launches New Kit for Tracing Energized and Non-Energized Circuits

Klein Tools (www.kleintools.com), for professionals since 1857, introduces the new Advanced Circuit Tracer Kit, offering tracing of breakers and wires through various materials.

12V, 48V, 120V, 240V, and 480V

- CAT III 600V Safety Rating
- Durable with up to 6' (2m) drop protection
- CE and UKCA Certified

Advanced Circuit Tracer Kit (Cat. No. ET450)

- Reliable tracing on energized or non-energized breakers, fuses and wires
- Easily adjust receiver sensitivity level to detect the transmitted signal through drywall, cement block and underground
- Versatile applications include tracing wires, conduit or pipes, or a single wire in a bundle
- Audible beep and visual indicators on receiver denote signal strength
- Receiver features a flashlight for illumination in low-light areas and NCV function to test if wires are energized
- Transmitter has AC/DC external voltage indicators for

"Klein Tools' new Advanced Circuit Tracer Kit comes with a transmitter, receiver, blade and ground prongs, alligator clips, 3-Foot and 20-Foot lead adapters, AC plug leads, instructions, all required batteries, and a hard carrying case with handle for convenient transportation and storage," says Sabrina Kalsi, product manager at Klein Tools. "This new kit gives professionals all the tools needed for easily tracing energized and non-energize breaker, fuses and wires through drywall, cement and even underground."

For more information, visit www.kleintools.com/new-products or search for #NewKleins on social media.

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Place**



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A photograph showing a row of large, yellow industrial electric motors mounted on concrete bases in a factory or testing facility. The motors have a distinctive radial cooling fan design. In the foreground, a smaller, grey motor is also visible. The background shows more industrial equipment and pipes.

Company Profile: EDE Electric Motor Testing

EDE Electric Motor Testing is a worldwide partner of maintenance professionals; providing answers to technology issues, calibration requirements, testing tools and training that help electrical maintenance departments work effectively. Our focus is to provide high quality products and services that make a difference. Since we have a wide knowledge base on many electrical testing technologies, our expertise can assist the E&I departments in creating a balance between maintenance needs and their budgetary requirements. We offer our services to a wide range of industries ranging from utilities (including renewables), automotive, pulp and paper, government, mining, motor repair, testing and field services.

Keeping electric infrastructure operational is a daunting task for any electric maintenance professional. From the purchase, installation and ongoing maintenance of electric motors and generators to the tools that maintain this critical and often unseen components of working machinery; there is no wonder the maintenance professional can be overwhelmed with information on

what technology best suits electric maintenance programs. At EDE we help demystify electrical testing programs and offer a wide range of support, training and instrumentation to facilitate the understanding of what to do when and the knowledge to interpret testing results from maintenance activities. We provide answers to the big questions of what is the best instrumentation to fit the job and the training to make it effective to use. Whether it is for up-tower maintenance or QC in motor manufacturing, we will help you Find the Way to keep your electric maintenance program running smoothly.

Sourcing Solutions for Project Management

When it comes to electric motor and generator testing and monitoring, the right tools for the job and the know-how to properly use those tools are two of the most important aspects to get a project off the ground running. At EDE Electric Motor Testing we believe in results-based support of electrical maintenance programs and professionals.

We consult on projects, listening to the needs of the E/I



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XINSURANCE

Specialist. After a full understanding of the scope, we make suggestions of different types of products and instruments that will help the E/I specialist reach project milestones more quickly and provide the answers needed for project completion. If the project contains custom or specialty fixtures, cabling or test systems we have the engineering capabilities to see the project through from start to finish.

EDE Precision Calibration Instruments and Tools

EDE has developed several products to assist the maintenance professional with calibration verification, monitoring of motors in stores or during outages along with monitoring motor processes with tools that make sense.

The CAL5000/CAL5000LT/CAL5000S were developed for periodic maintenance and calibration checks of many types of electrical test equipment. It provides NIST traceability for the following (but not limited to) electrical tools: Insulation testers, Meg-ohm Meters, Continuity Testers, AC/DC High Potential Testers, Surge Testers that have Meg-ohm or HiPot functionality, Digital Mul-

timeters, DLRO's and other motor test equipment such as Motor Circuit Evaluation devices (MCE).

The HPD-2 Heater Power Detector provides continuous monitoring of electric motor winding heaters. It is also useful for switch gear heaters and other temperature sensitive applications. Monitor real time performance of space heaters inside electric motors, and other constant current apparatus. The H-PD-2 is an easy way to do the job. Additionally, an optical isolated output allows the operator to drive a PLC or other transmitter directly with the HPD-2. This tool is quickly installed using a split clamp CT to the motor heater leads and will continuously indicate if the motor heater is operational during times the motor is not operating. The motor heater job is to keep the motor warm against water intrusion and the HPD-2 works in tandem to indicate if the motor heater is operational when the motor is off and not on when the motor is operating.

The SST-50 Start Stop Timer is a rechargeable battery enclosed unit that magnetically attaches to the outside of any electric motors case and counts each start. It

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- Direct USB Recording
- MP4 Recording format

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also records run time in six (6) minute intervals. The display gives the maintenance professional knowledge on duty cycle that motors are operating within.

EDE also offers high quality test lead replacement sets for resistance testing and high voltage testing also with custom cables for multiple types of uses. Contact us for more information.

Technical Support – Calibration, Service and Repair

On-going service and repair on existing test equipment is essential to provide the best most accurate results in high voltage electrical test sets. This durable but expensive equipment can provide accurate results for years if properly maintained. EDE provides a NIST traceable calibration on all equipment. All of our equipment is certified annual with uncertainties at a ISO 17025 compliant facility. This documentation is available upon request. We perform standard, prior/post and multi-year calibrations on many types of high voltage test equipment. This service is provided either at your facility via an onsite visit, remotely with the help of a technician or at our facility.



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 •

When it come to repair of high voltage test equipment EDE has the experience needed to component level repair and return to proper functionality many types of aged equipment. We pride ourselves on solving the issues that test equipment that has been used in the field or in shop settings might be experiencing. From new test leads to circuit board issues, we have the know-how and passion to hunt down the root cause of the problem. From damage due to shipping or breakage due to years of use, we have been successful in returning many instruments to service.

Technical Training- Electrical Theory and Operational Guidance

On-going technical training is a must for maintenance professionals. In order to stay abreast of new technologies and ever-changing manufacturing demand and energy production, technical knowledge needs to keep pace. At EDE we provide a wide range of training courses. From multi-level courses focused specifically on the theory behind electrical diagnostic testing of rotating machinery to instrument specific workshop instruction, we have the knowledge and background to assist electric technicians, journeymen and engineers in the basics and advanced techniques useful in the workplace.

At EDE we offer onsite customized training specific tailored to the individual company needs, periodic regional seminars, user group and customized training at our facility in Loveland, Colorado and many online courses via WebEx© or Microsoft© Teams. We also have a NETA Short Course titled Elements of an Effective Motor Program and Calibration of Motor Test Equipment that has been reviewed and approved by the Members of the TD Review Committee at NETA and can be offered for 8 CTD credit under the motor category. This course is usually held at the EDE facility in Loveland.

Electric Motor and Generator Testing Services/Rental Equipment Services/Data Analysis Services

At EDE, we provide electric motor and generator test services, using the best test equipment available. Whether online dynamic motor monitoring, or offline electric motor testing is needed, we have the tools and capability to provide predictive maintenance,

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quality control or second opinion services that will meet industry needs. We work within your processes to help provide testing support, report generation, results reviews along with second opinions on testing results from company personnel. We can assist in route based periodic testing with the help of staff electricians for lock-out/tag-out procedures and motor lead lifting and connection. We allow you to take the lead on all operations, because as the customer and owners of the motors/generators we follow your procedures. If safety courses are required on site of OSHA required for your facility, they will be attended and done prior to any work being done.

If instrumentation is all that is needed, EDE can provide a number of different types of high voltage electrical test equipment for rental. From a short-term rental of one week to multiple months we can provide equipment that holds active calibration certifications to enable testing schedules to be completed on time and within budget.

We offer data analysis services for a wide range of testing techniques. When test reports need to make sense, contact EDE. Our experts can give a second opinion on the results from testing and offer advice on how to move forward with business decisions or customer contracts. We provide clarification on what the results mean and the likelihood the motor, drive or process is capable of doing the job it is tasked.

Finding a Way – Our Mission

Providing the best service, products and training to maintenance professionals in every industry that relies on electric motors and generators to power their processes. We want to be the electrical maintenance partner for all your electric motor and generator needs. Contact us today for more information on how we can help you improve your operation.

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At Tallman Equipment, our priority is to set the standard in the electric transmission and distribution industry with an all-inclusive approach to serving our customers. Our vision to deliver a trio of quality, convenience, and reliability is driven by listening and adapting to the needs of our customers. As the industry changes, so does Tallman. As a result, Tallman Equipment has become a unique company within our industry offering a full range of professional services including tool sales, product distribution, rentals, and repair. Tallman is already a trusted name in stringing blocks, cable assemblies, fiberglass, and rope products – and we are excited to announce the addition of our new Rubber Goods Testing Lab.

Our Services Include:

Groundset & Jumperset Manufacturing, Repair & Refurbishing

Transformer Sling Manufacturing & Rope Repair

Battery Power Tool & Equipment Repair

Fiberglass Tool Testing, Repair & Refinishing

Tool & Equipment Rental

Rubber Goods Testing & Refurbishment



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INNOVATIONS

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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.

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