

SteelTech Dunnage System

DICA announced an interlocking dunnage system for concrete pump outriggers. The SteelTech Dunnage System uses the unique properties of steel and DICA's engineered thermoplastic material to ensure stability, distribute outrigger loads, and limit ground-bearing pressures to acceptable levels. The system's eight interlocking parts can be deployed and retrieved by a single person. The SteelTech Dunnage System is made up of three SafetyTech outrigger base pads and four steel tubes and is topped with a SafetyTech top pad with an integrated steel plate and recessed radius to keep the outrigger float in place. The steel tubes fit into machined grooves in the SafetyTech base pads, and the top pad interlocks with the steel tubes to prevent movement. Working in unison, these materials and features are optimized to create a portable, long-lasting, and efficient solution for everyday use.

—DICA, www.dicausa.com



Single Gang Barrier Wall Drill

Minnich Manufacturing introduced the Single Gang Barrier Wall Drill, a self-propelled, pneumatic drill designed to optimize efficiency and safety during the process of securing concrete barrier walls. The 1630 lb (739 kg) drill can be lifted and placed on a concrete barrier wall with a backhoe or compact excavator. The operator can then advance the unit along the barrier wall, align the drill bit with a premolded hole at the barrier wall base, and drill a hole in the subbase. A steel pin can be dropped into the completed hole after the drill unit is moved to the next securing point. The unit is equipped with an air-powered motor, and the operator can control the machine from a safe distance using a tethered handheld remote. The Single Gang Barrier Wall Drill can drill to depths of 18 to 36 in. (457 to 914 mm) using bits ranging from 1 to 2.5 in. (25 to 63.5 mm) in diameter.

—Minnich Manufacturing, www.minnich-mfg.com



EXACT Temperature Monitoring

EXACT's concrete temperature technology collects concrete data in real time and presents it for analysis online. Its technology uses low-frequency loggers capable of broadcasting over long distances and through dense materials common to construction sites. Relay units capture these low-frequency signals from around the construction sites or precast facilities and broadcast the concrete data through cellular service to the cloud. Logger batteries typically run for 6 months per charge. Relay batteries last about a month per charge and can be connected to a solar panel to stay charged. Once installed, EXACT is always on and transmitting its data, accessible from anywhere with internet access. EXACT's programmable alerts and notifications allow contractors to act at critical times to avert concrete temperature missteps that would necessitate costly remediation or scrapping.

—EXACT Technology, www.exacttechnology.com



Honda GX Engines

Honda Powersports & Products, a business unit of American Honda Motor Co., Inc., announced the GX Series and eGX engines. The Honda GX Series models are fuel-efficient and rugged motors with versatile power options that are designed for different types of commercial equipment, including pressure washers, concrete vibrators, and concrete trowels.

The Honda eGX is an electric motor powered by lithium-ion batteries. As the company's first advanced electrified power unit, it is designed for incorporation into commercial original equipment manufacturer (OEM) power equipment products for both indoor and outdoor use.

—Honda, www.engines.honda.com

Bosch Tool and Battery Solutions

Bosch announced the launch of 17 new power tools, adding to the brand's growing CORE18V platform. These tools include the 18V Brushless StarlockPlus® Oscillating Multi-Tool (GOP18V-34), the 18V Brushless Angle Grinder with No Lock-On Paddle Switch (GWS18V-10P), and the 18V CORE18V Lithium-Ion 6 Ah High Power Battery (GBA18V60).

The 18V Brushless StarlockPlus Oscillating Multi-Tool is user-friendly, and its cutting performance has been improved over its predecessor. The tool has a redesigned handle, helping to make handling more convenient with less interference when flush cutting. It also has vibration control that reduces vibration by up to 80% compared to the previous model.

The 18V Brushless Angle Grinder with No Lock-On Paddle Switch has an efficient motor designed to maximize runtime and productivity. It also features a guard with multiple fixed-adjustment settings to allow the user to position the guard in a variety of working angles. The grinder's kickback control helps to prevent injuries.

The 18V CORE18V Lithium-Ion 6 Ah High Power Battery delivers 50% more runtime and over 75% more power than the CORE18V 4 Ah battery. It features two layers of enhanced 21700 cells for greater battery efficiency and Bosch CoolPack™ 2.0 technology that cools the battery and helps provide longer battery lifetime. The battery is also compatible with Bosch 18V chargers and the AMPShare™ System, which is designed to be multi-brand compatible across many cordless products.

—Bosch, www.boschtools.com



Ergodyne ProFlex 550 and 525

Ergodyne's ProFlex 550 and 525 Padded Knee Sleeves are made with a nylon spandex sleeve that fits and flexes comfortably under or over clothes while holding the pad snugly in place. The ProFlex 550 Padded Knee Sleeve features a three-layer foam pad with an abrasion-resistant polyurethane (PU) film on the outside as well as PU comfort foam in the middle and neoprene comfort foam on the innermost part of the pad, giving it a gel-like feel for long periods of kneeling. The ProFlex 525 Padded Knee Sleeve uses a lightweight and flexible ethylene-vinyl acetate (EVA) foam pad covered in a highly abrasion-resistant fabric to withstand use on rough and unforgiving surfaces.

—Ergodyne, www.ergodyne.com



LumiCon PBTDL Feature

Brickeye launched its Performance-Based Temperature Differential Limit (PBTDL) feature for mass concrete projects. In addition to the company's LumiCon® Concrete Monitoring solution, the PBTDL method uses real-time data collection and analytics to provide contractors, engineers, and project owners with a temperature differential limit tied to the concrete's strength. In contrast to using fixed or stepped temperature differential limits, this approach enables the safe use of a continually varying allowable limit on temperature differentials. The rugged internet of things (IoT)-enabled sensors transmit data directly from the jobsite to the cloud, allowing project stakeholders to remotely and continuously assess temperature and strength data in real time.

—Brickeye, www.brickeye.com

Project Management Tools

FARO Sphere XG

FARO® Technologies introduced FARO Sphere® XG: The Next-Generation Digital Reality Platform. Sphere XG is a unified cloud platform that allows construction, operations, and geospatial professionals to view, measure, analyze, and share all reality capture data over time within a single, cohesive environment, spanning cloud, mobile, and desktop. It is designed to integrate data from an extensive range of capture methods, including stationary scanning, mobile scanning, iPhone LiDAR scanning, and 360-degree photo capture over time. This latest iteration of the platform democratizes data access, fostering improved remote collaboration and more efficient decision-making processes among teams and stakeholders. Sphere XG enables users to easily combine 360-degree photos, three-dimensional (3-D) point clouds, and building information modeling (BIM) models all in one platform. The platform accelerates time to consumption by routing data to the cloud for automated processing, streamlining the entire process. Additionally, Sphere XG automatically integrates with its recently released Orbis mobile scanner, which provides a comprehensive visual overview of projects.

—FARO, www.faro.com

TrackIt Advantage

Command Alkon introduced TrackIt Advantage. Operations of all sizes can leverage this cloud-based technology for vehicle tracking, driver management, and delivery operations. TrackIt Advantage is a lighter version of the TrackIt product that encompasses an array of features designed to support the needs of heavy building materials producers and suppliers. This telematics solution combines vehicle tracking, status loops, time and attendance, and messaging capabilities. With TrackIt Advantage, dispatchers know the precise location of vehicles in as little as 5 seconds. TrackIt Advantage is available for multiple device options such as Android and iOS devices or tablets provided by Command Alkon. There is also the option to mix device types across fleet and drivers. Features include real-time vehicle tracking with precise map location and automated delivery statuses, two-way messaging for communication between drivers and dispatchers, time and attendance tracking for efficient monitoring of driver performance, and available integration with MOBILEticket, removing the need for drivers to fill out paper tickets.

—Command Alkon, www.commandalkon.com



ProjectTeam.com

ProjectTeam.com, ProjectTeam, Inc.'s (ProjectTeam) construction program and project management solution, is a comprehensive suite of tools that simplifies project planning, collaboration, and documentation, enhancing efficiency and productivity for construction professionals. ProjectTeam.com provides real-time updates, reporting, and tracking features that enable transparency, accountability, and better decision-making throughout the construction process. The program also facilitates communication among project stakeholders, fostering collaboration and reducing delays. ProjectTeam.com can be configured to meet the unique needs of construction programs and projects of any size or complexity. ProjectTeam.com received Authority to Operate (ATO) from the Department of Interior for the National Park Service. The ATO acknowledges ProjectTeam's compliance with the stringent security and data protection standards required by federal agencies and ensures that sensitive project data remains secure.

—ProjectTeam, Inc., www.projectteam.com

RedTeam Flex

RedTeam Software announced major enhancements to the preconstruction capability for RedTeam Flex, its cloud-based solution for end-to-end construction management. The updates benefit general contractors and provide unique support to those overseeing construction management at risk (CMAR) projects by facilitating real-time collaboration and financial transparency. RedTeam Flex's new preconstruction functionality is fully collaborative. A step-by-step guided workflow provides a central place for all critical project setup and preconstruction tasks. The upgrade to the cost estimate in RedTeam Flex now supports hard bids and negotiated pricing for construction managers. The spreadsheet-style interface with unbreakable formulas and simultaneous calculation of cost and price provides a desktop-class performance, powered by an underlying proprietary technology. Users of RedTeam Flex can create bid packages consisting of one or more cost codes. Vendors can submit their quotes online, and contractors can leverage advanced bidder search, using criteria such as vendor qualifications and credentials. Standard pricing details are automatically included, greatly reducing risk and the need for error-prone manual input.



—RedTeam, www.redteam.com

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An ACI Standard

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