

Products & Practice

Bosch BLAZE GLM400CL

The Bosch BLAZE™ Outdoor GLM400CL Connected Laser Measure features an adjustable-zoom camera to find the laser spot in bright conditions. The tool can measure distances up to 400 ft (120 m); provide length, area, and volume data in real time; and transfer data to a smartphone or tablet with Bluetooth® using Bosch's MeasureOn app. A built-in inclinometer determines the angle of pitch and confirms when the tool is level. An on-screen tutorial is available for each of the tool's 11 measuring functions. The GLM400CL has sufficient memory to store 50 measurements and over 600 images. It also features an easy-to-read backlit color display with reinforced screen glass.

—Bosch Power Tools, www.boschtools.com



Talbert Manufacturing 50-Ton Trailer with In-Deck Winch

Talbert Manufacturing released a 50-Ton Bus Hauler (50CC-BH) trailer. The trailer's in-deck winch can be operated via remote control, allowing users to load equipment from either the front or rear of the trailer. The 50CC-BH has a capacity rating of 50 ton (45 tonne) of capacity rating for hauling a wide range of oversized equipment, including buses, excavators, and class-A trucks. The trailer can also haul equipment with low clearance and long wheel bases, such as graders and aircraft refueler trucks. Talbert designed the 50CC-BH with extra steel in the main and side beams of the deck as well as the gooseneck and rear axles. This design allows the trailer to achieve its 50-ton capacity rating without significantly increasing its weight.

—Talbert Manufacturing, www.talbertmfg.com

Makita 18V LXT Fan Jackets

Makita® released two 18V LXT® Lithium-Ion Cordless Fan Jackets, models DFJ304Z (cotton) and DFJ405Z (titanium-coated polyester/UV resistant). Three airflow modes allow users to adjust the airflow to the work conditions. The fan units provide air circulation inside the jacket for up to 15 hours on the high setting when using a 5.0 Ah battery. The jackets also feature two ice pack storage compartments for increased cooling. Each jacket has five pockets, and the sleeves can be folded into short sleeves and fastened with a built-in loop and button. For added convenience, users can charge their portable electronic devices with the on-board USB power port.

—Makita, www.makitatools.com

KINSHOFER WS-Series Drum Cutters

KINSHOFER released the WS Drum Cutter Series, a line the company acquired in early 2018 with the purchase of Schaeff Transverse Cutter from Atlas GmbH. The drum cutters' attachments achieve a low-decibel output and minimal vibrations through a high-torque hydraulic motor that enables the attachment to operate at a slow speed. The hydraulic motor is adjustable to match the output of an excavator's hydraulics. The attachment's heavy-duty sealing system enables underwater operation as deep as 25 m (82 ft) for applications such as bridge repair. WS-Series Drum Cutters are available in seven models for 2- to 60-ton excavators.

—KINSHOFER, www.kinshofer.com



Products & Practice

PROSOCO First Cut with Densifier

PROSOCO's First Cut with Densifier combines two steps into one for wet-grind applications. During the grinding and polishing process, this product moves the slurry solids away from the diamond tooling while also densifying the concrete. Users can grind and densify floors at the same time. First Cut with Densifier can be used with traditional walk-behind grinders or power-trowel machines. It is ready to use with no dilution needed and works on new or existing concrete. Easy to apply with a low-pressure sprayer, it is VOC-compliant, nonflammable, and nontoxic.

—PROSOCO, www.prosoco.com



Červenka Consulting ATENA Software Version 5.6

Červenka Consulting released version 5.6 of its ATENA software for nonlinear analysis of reinforced concrete structures. It includes better support for large-scale analysis, new models for durability and reinforcement corrosion, and improvements in postprocessing. In terms of large-scale analysis, the new version includes faster and more effective definition and detection of the contacts between various element types (for example, contacts of “beams to solids” or “shell to solid”) as well as improvements in the definition of complex beam profiles in GiD preprocessor. The parameters of the surrounding environment can now be specified as a new boundary condition. This typically includes chloride concentration, CO₂ content, or relative humidity. In addition, the program ATENASStudio, which supports unique run-time visualization, has improvements in the visualization of diagrams of internal forces, new features for vector and tensor plots, and enhancements in the definition of user-defined color scales.

—Červenka Consulting, www.cervenka.cz

Aquajet Systems AB Ergo System

Aquajet Systems AB's Ergo System requires a high-pressure pump to operate and can be used for work on floors, walls, and ceilings. The Ergo System comprises the controller unit, which powers and controls the hydraulics; the Ergo Power Head, which manipulates the high-pressure lance; and either the spine or the climber, which are systems used to support and maneuver the power head. The climber attaches to any standard scaffolding pipes and robotically moves along them to provide hydrodemolition forces for vertical concrete removal and repair, such as in high-rise construction. The system exerts 1000 N (225 lbf) of reaction force. Users can easily move the 271 lb (123 kg) Ergo Controller unit around the jobsite. At just 44 in. (1118 mm) tall and 17 in. (432 mm) wide, the Ergo can be transported easily on a pallet.

—Aquajet, www.aquajet.se



ProNovos Operations Manager

ProNovos' Operations Manager is a cloud-based platform designed to help commercial contractors manage their workflows from beginning to end. It has an easy-to-use interface that aids users as they track and manage bids, crews, equipment, punch lists, blueprints, and requests for information. The software also integrates with major accounting systems and other industry apps.

—ProNovos, www.pronovos.com

Book Notes

Concrete in Extreme Environments

Concrete in Extreme Environments, edited by J. Bull and X. Zhou, describes the performance of concrete in extreme environments. The book is intended for professionals who have an interest in the design, manufacture, and construction of concrete. Topics include recognizing severe environments, material failures associated with extreme environments, designing and monitoring for high-cycle fatigue in harsh environments, and models for prediction of chloride ingress.

Price: £80; 240 pp.; ISBN 978-184995-327-6

—Whittles Publishing, www.whittlespublishing.com

Web Notes

Lehigh Hanson Inc. Cement-Related Certification Courses

Lehigh Hanson Inc. announced the availability of cement-related certification courses through AEC Daily, a source of continuing education materials for architects, engineers, contractors, and other construction professionals. The course "Concrete That Cleans Itself and the Environment" examines photocatalytic cement technology now available for concrete. It explains how the technology provides self-cleaning and pollution abatement properties while maintaining the same mechanical and physical properties of traditional concrete. The course "An Overview of Masonry Mortars" covers the performance and specification considerations related to different types of mortar used for masonry construction, including portland/lime mixtures, mortar cement, and masonry cement.

—Lehigh Hanson Inc., www.lehighhanson.com

Products & Service Literature & Videos

Building Community Resilience through Modern Model Building Codes

Building Community Resilience through Modern Model Building Codes addresses the urgent need for community resilience in the face of disasters and the most effective, efficient, and economic means to achieve it. Throughout the world, natural disasters—earthquakes, hurricanes, cyclones, tsunamis, floods, tornados, wildfires, and droughts—have caused enormous injury, loss of life, and economic damage. As populations grow, urban areas expand, and interconnectedness increases, the potential for deeper and further-reaching consequences also increases. The publication provides detailed information related to various disasters, and it stresses the need for investing in mitigation before a disaster event happens.

—International Code Council, Inc., www.iccsafe.org

