

Products & Practice

ALP Disk Anchors

The ALP Disk Anchor Series is a lifting solution designed for insulated wall panels. It is engineered for lifting without the need for additional reinforcement. Anchor heights are optimized for specific insulated wall panel wythe thicknesses, streamlining installation while maintaining strength and reliability. Anchors are designed to:

- Achieve up to twice the capacity compared to standard lifting anchors;
- Require no additional reinforcing bar;
- Support the reduction of the number of pick points; and
- Maximize capacity in thin and thick concrete sections.

—ALP Supply, www.alpsupply.com



LATICRETE MULTIMAX 1

MULTIMAX™ 1 is a ready-to-use adhesive mortar that meets the ANSI A118.15 performance standard, previously exclusive to cement-based mortars. It also exceeds ANSI A118.15 HET, A118.4, and A118.11 requirements, offering extended open time, broad substrate compatibility, and strong adhesion. The patent-pending formula offers the versatility and bond strength of a high-performance cementitious mortar in a no-mix, no-water, and dust-free format that reduces noise, jobsite clutter, and material waste. It is ideal for large-format tiles, gauged porcelain tile panels, or submerged installations.

—LATICRETE International, Inc., www.laticrete.com

Sakrete Leak Stopper Hydraulic Cement

Sakrete Leak Stopper Hydraulic Cement is a mixture of rapid-setting cementitious materials and sand. It is designed to stop the flow of water through breaks in concrete or masonry walls and floors. This fast-setting hydraulic cement sets in approximately 1 to 3 minutes and has a compressive strength of 3000 psi (20.7 MPa). It can be used for both interior and exterior applications and can be applied underwater. It is intended for use in basements, swimming pools, elevator pits, conduits, sea walls, tunnels, storm drains, foundations, and docks.

—Sakrete, www.sakrete.com



Genie S-65 TraX Telescopic Boom Lift

The Genie® S-65® TraX™ telescopic boom lift can perform a range of heavy lifting tasks on a variety of jobsites and terrain. The S-65 TraX has a maximum working height of 22 m (72 ft) and a capacity of 300 kg (661 lb) unrestricted, and 454 kg (1001 lb) restricted. Equipped with TraX, the lift has a weight of 13,098 kg (28,876 lb) and a track contact pressure of 193 kPa (28 psi). Genie TraX systems have broader weight distribution, allowing TraX machines to work on low-weight floors or in muddy terrain and sensitive ground conditions. The TraX system can be fitted to high-capacity machines. Four independent tracks ensure smooth break-over on rough terrain. Oscillating axles and the ability to swivel up and down by 22 degrees enable the tracks to grip and climb over obstacles. In addition, tracks can be swapped for tires, providing greater flexibility in terms of resale options. Genie will offer aftermarket upgrade kits to convert 2024 and newer S-65 XC and Z-62/40 boom lift models from wheels to TraX (some restrictions apply).

—Genie, www.genielift.com

Products & Practice

DEWALT ATOMIC 20V MAX* 4 in. Angle Grinder

The ATOMIC™ 20V MAX* 4 in. (102 mm) Angle Grinder (DCG400) is a cordless, compact tool designed for applications in confined workspaces, and it delivers power without the need for hoses or a complex pneumatic setup. The DCG400 features fast guard and wheel changes with quick conversion of Type B guards to Type A guards using a clip-on mechanism. The spindle lock allows rapid wheel changes without multiple wrenches. The paddle switch replicates the performance and operation of pneumatic tools with the lock-off paddle and no-lock on feature. The Forward Exhaust System directs air away from the user to help prevent overheating. The TOOL CONNECT™ Chip-Ready module allows pairing with the separately sold TOOL CONNECT Chip and software app for data on jobsite asset management and tool location (additional subscription charge and third-party data charges may apply).

—DEWALT, www.dewalt.com



SmartBarrel Integration with Plexxis

SmartBarrel, an artificial intelligence (AI)-powered biometric time-tracking solution for the construction industry, announced a native integration with Plexxis, a subcontractor-focused construction enterprise resource planner (ERP). The integration captures facially verified clock-ins from the field, aligns hours to Plexxis activity codes, and syncs approved time directly into labor time logs, preventing duplicate entry, cutting payroll disputes, and giving subcontractors real-time cost accuracy. SmartBarrel features AI-based facial verification on jobsite devices and a simple kiosk app where workers can clock in and out. By flowing that verified data directly into Plexxis, contractors eliminate errors and gain visibility into job costs while work is underway. Plexxis combines estimating, project management, accounting, and field operations in a single platform. With SmartBarrel feeding verified timesheets directly into that backbone, subcontractors gain a continuous, end-to-end view from crew check-ins to payroll. SmartBarrel automatically syncs employees, jobs, subsections, and activity codes from Plexxis. Supervisors review, assign cost codes, and approve hours, which then sync into Plexxis, streamlining payroll and locking in job-cost precision.

—SmartBarrel, <https://smartbarrel.io>

—Plexxis Software, <https://plexxis.com>



Makita Rotary Hammer Dust Extractor

The Makita Rotary Hammer Dust Extractor (1914X3-8) Attachment is engineered to extract dust and debris from rotary hammer holes during drilling with bits up to 2 in. (51 mm) in diameter. It features a rubber seal that suctions to wall surfaces with two air chambers to collect dust while staying attached during drilling. The 1914X3-8 has a replaceable rubber ring for ease of use. It also features a flexible neck that provides improved position and mobility. It is engineered to integrate with a range of Makita XGT® and LXT® rotary hammers and vacuums.

—Makita U.S.A., Inc., www.makitatools.com

Milwaukee M18 and M12 Gangbox Rapid Charger

The Milwaukee M18™ and M12™ Gangbox Rapid Charger is designed for users working out of gangboxes and other steel storage spaces on commercial jobsites. By using the strong magnetic base or cleat, the rapid charger can be mounted in multiple different orientations, maximizing storage space within a gangbox. This battery charger includes a 450-lumen floodlight that illuminates stored supplies, allowing users to spend less time at the gangbox. The four-bay M18 and M12 charger can charge two batteries simultaneously at a rapid rate before automatically moving to the next two, leading to less downtime. The charger features two M18-only bays and two M18 and M12 hybrid bays, allowing users who operate with both systems to use one charger. The M18 and M12 Gangbox Rapid Charger includes two USB-C 15W ports to charge small devices. The rapid charger is optimized for major models and brands of gangboxes and steel storage found on commercial jobsites.

—Milwaukee Tool, www.milwaukeetool.com



Products & Service Literature & Videos

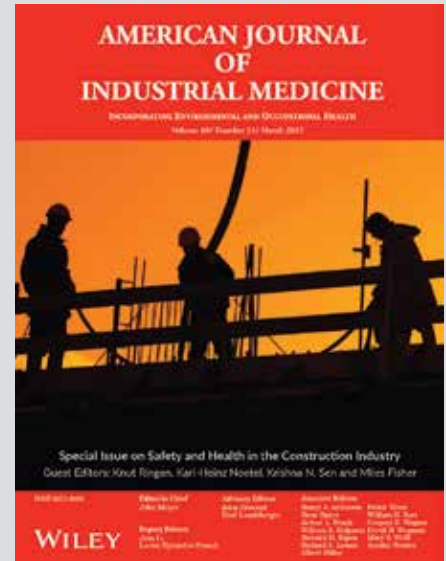
The American Journal of Industrial Medicine Special Issue on Construction Safety

The *American Journal of Industrial Medicine (AJIM)* published a special issue about safety and health in the construction industry, and The Center for Construction Research and Training (CPWR) led its development with two international partners. The call for manuscripts produced more than 40 submissions from countries including Chile, France, Germany, India, the Netherlands, and the United States. A team of reviewers selected 11 research articles, three commentaries, one review article, and one historical perspective for publication, all of which underwent a rigorous editorial process. CPWR staff wrote four of the research papers, and there are key findings, a one-page summary of the background, methods, and important results, for each:

- A Method to Assess Bullying and Harassment as an Upstream Determinant of Construction Worker Mental Health. *Cora Roelofs, Christopher Rodman, Amber Trueblood, and Chris T. Cain;*
- Characterizing Applications, Exposure Risks, and Hazard Communication for Engineered Nanomaterials in Construction. *Bruce Lippy, Sara Brooks, Michael Cooper, Leonard Burrelli, Andreas Saldivar, and Gavin West;*
- Pre-Task Planning for Construction Worker Safety and Health: Implementation and Assessment. *Babak Memarian, Sara B. Brooks, and Jean Christophe Le;* and
- Suicide Among Construction Workers in the United States, 2021. *William Harris, Amber B. Trueblood, Thomas Yohannes, Christopher P. Rodman, and Rick Rinehart.*

The other research articles also examine key issues in construction safety, such as falls, musculoskeletal disorders, pain management, and risk perception. The full issue is available for purchase as a PDF, and there is a free abstract for each research article.

—The Center for Construction Research and Training, www.cpwr.com



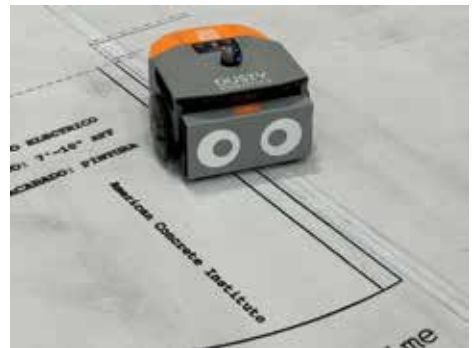
Innovative Products

Dusty Robotics FieldPrinter 2

The second-generation FieldPrinter 2 Dusty robot enhances on-site performance and productivity through its compact design and extended capabilities. Upgraded features include:

- Compact Form Factor: The FieldPrinter 2 navigates tight spaces and maneuvers around obstacles to provide a more complete layout;
- Edge Print enables printing right up to edges, columns, and site features;
- Shadow Print enables printing behind columns for more coverage in less time;
- Full Sensor Suite enables real-time detection of edges, obstacles, and other objects that may impede printing;
- Curve Printing generates smooth arcs of any radius;
- Extra-wide Printhead (1 in. versus 1/2 in. [25 mm versus 13 mm]) prints points, lines, text, and curves quickly and legibly at 300 dpi;
- Light Weight: At 23 lb (10 kg), including the battery, the FieldPrinter 2 is safe and easy to transport;
- Power Hold enables uninterrupted operation during battery replacement; and
- iPad Interface simplifies the learning process and streamlines operation.

—Dusty Robotics, www.dustyrobotics.com



Moasure 2 Series

Moasure launched the latest version of its motion-based measurement technology, Moasure 2 and Moasure 2 PRO. Moasure 2 is equipped with the X2 Inertial Sensor Engine and provides users with similar accuracy to Moasure ONE, but benefits from increased precision for improved measurement repeatability. Moasure 2 PRO features the new X2-PRO Inertial Sensor Engine, which gives up to 50% reduction in error compared to Moasure ONE. Moasure 2 PRO's exclusive features include Layout Mode, which provides the ability to lay out points based on inputted x, y coordinates and offers a new way to set out. With Layout, industry professionals can input coordinates either manually or by comma-separated value (CSV) import to stake out for any project. The Moasure app provides users with guidance to each coordinate for locating and marking. Moasure 2 PRO also features Dynamic Intervals, allowing users to choose between predetermined time/accuracy options depending on jobsite characteristics. Users also have up to 10 hours of continuous measuring with double the battery life compared to the first generation. The Moasure 2 Series comes with a USB-C port for convenient charging.

—Moasure, www.moasure.com



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DUAL Concrete Brick

The DUAL concrete brick reduces material use by almost a third compared to traditional concrete, due to honeycombing in its design. It conforms to CSA Group standards for concrete masonry, and it comes with a certified Environmental Product Declaration (EPD) indicating a reduction of more than 20% in life-cycle carbon emissions, primarily attributed to included recycled materials in its composition. The product range comprises three natural shades: Zurich (gray), Petra (yellow), and Belfast (red), and two formats: Metric Norman (57 x 90 x 290 mm [2.2 x 3.5 x 11.4 in.]) and Metric Jumbo (90 x 90 x 290 mm [3.5 x 3.5 x 11.4 in.]). Each of the six options comes with two usable faces, one smooth and one grooved, which can be varied and adapted to any project. The honeycombs' dimensions and strategic arrangement make construction site handling easy, so installation is faster and more efficient. With its design and ecological benefits, DUAL contributes to sustainable construction, combining aesthetics, efficiency, and environmental credentials.

- NEUF architect(e)s, www.neuf.ca/en
- Webster & Sons, <https://webster.ca/to>
- Permacon, <https://permacon.ca/en>



Photo courtesy of NEUF architect(e)s, Source: v2com



VINNEPAS Dispersible Polymer Powders

VINNAPAS® dispersible polymer powders help improve the tensile adhesion strength of portland composite cement (CEM II) tile adhesives. With the cement industry producing CEM II to reduce carbon dioxide (CO₂) emissions, the tensile adhesion strength of dry-mix mortar products such as tile adhesives after immersion in water often does not comply with the applicable standards. Replacing a standard vinyl acetate-ethylene copolymer (VAE) with special terpolymers in which water-repellent monomers are incorporated into the VAE backbone improves the tensile adhesion strength following immersion in water. VINNAPAS 8118 E, 8620 E, or 7220 E contain such water-repellent monomers, improving the tensile adhesion strength of formulations containing these powders following immersion in water and meeting requirements specified in the standard.

—WACKER Chemie AG, www.wacker.com

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