

# Products & Practice

## Atlas Copco HiLight V4 and LED HiLight V5+

Atlas Copco's HiLight V4 and the LED HiLight V5+ light towers are lightweight, compact, and include the company's HardHat® canopy for extreme durability in rugged applications such as construction and roadbuilding. A HiLight V4 tower has four 1000 W metal-halide lamps and can illuminate an area of up to 4000 m<sup>2</sup> (43,000 ft<sup>2</sup>). A HiLight V5+ tower features long-lasting, energy-efficient LED bulbs and can illuminate an area up to 5000 m<sup>2</sup> (53,000 ft<sup>2</sup>). The LED lamps are rated for 10,000 hours and are able to withstand a range of challenges, from vibrations during transport to harsh work environments.

—Atlas Copco, [www.atlascopco.com](http://www.atlascopco.com)



## MOVEO IR Videoscope



Karl Storz's infrared MOVEO® IR Videoscope is a portable video endoscope for direct-view inspections of confined and hard-to-reach spaces. It features a fully integrated display, LED infrared source, and intuitive operating software. The IR Videoscope is designed to fit in the operator's hand and can be used for extended periods without operator fatigue. The complete system, particularly the tungsten-braided sheath, was built to meet the demands of remote operations. The sheath's four-way deflection and precise angulation of up to ±150 degrees provide safe and effective performance of inspection functions. The operator can choose between 1.5 and 3 m (5 and 10 ft) of working length.

—Karl Storz, [www.karlstorz.com](http://www.karlstorz.com)

## Allen MP245 Mechanical Pro Riding Trowel

The MP245 Riding Trowel is Allen's most compact hydraulic power steering riding power trowel. Although it is compact, it has the same ergonomics, features, and durability found in Allen's larger riders. The compact size of the machine allows it to fit on slabs where bigger riders will not, eliminating the need for multiple walk-behinds. MP245 features include hydraulic joystick power steering; 22 hp (16 kW) Honda engine; two 36 in. (914 mm) diameter, four-blade nonoverlapping rotors; rotor speeds from 45 to 165 RPM; electric powered spray system for retardant application; and cruise control.

—Allen Engineering Corporation, [www.alleneng.com](http://www.alleneng.com)



## BarChip MQ58

Elasto Plastic Concrete's BarChip MQ58 is a high-performance structural macro synthetic fiber concrete reinforcement, optimized for pavements and industrial floors. The unique design and material composition of BarChip MQ58 fibers allow them to remain embedded below the concrete surface without any changes to normal finishing processes. BarChip MQ58 has a dosage rate of 2.5 to 5 kg/m<sup>3</sup> (4 to 8 lb/yd<sup>3</sup>), is added "Bags and All" to the mixer with initial batch water, and can be pumped through 50 mm (2 in.) rubber hoses. The fiber reinforcement conforms to ASTM C1116/C1116M Type III and EN 14889-2.

—Elasto Plastic Concrete, [www.elastoplastic.com](http://www.elastoplastic.com)



### MK Diamond 5 in. IXL Hinged Vacuum Shroud

Designed for use on grinders, the MK Diamond Products' 5 in. (127 mm) IXL Hinged Vacuum Shroud uses the air velocity created by the rotating grinding wheel to channel dust particles away from the work surface. This technology improves removal of abrasive dust particles, which enhances the grinding process by increasing visibility and extending the cup wheel life. The shroud can be used for grinding, cleaning, leveling, removing epoxies, urethanes, paint, and other coatings on concrete or masonry. The shroud is made from an "abrasive resistant" plastic to prevent wear from the grinding process. The hinged nose shroud easily flips to the side for grinding against walls and edges.

—MK Diamond Products, [www.mkdiamond.com](http://www.mkdiamond.com)

### MovinCool Portable Spot Air Conditioners

DENSO Corporation's MovinCool portable spot air conditioners enhance the drying of construction materials such as drywall joint compound, paint, and flooring adhesives. The industrial strength blowers pull in large volumes of moist air and push out warm, dry air that can be directed at wet areas. The self-contained air conditioners can be rolled into position. Drying begins immediately after the exhaust duct is attached and the unit is powered up.

—DENSO Corporation, [www.denso.com](http://www.denso.com)

### SCOFIELD Ready-Mix Truck Defoamer

SCOFIELD Ready-Mix Truck Defoamer is a blend of air release and detraining additives designed for use in concrete, mortar, or cementitious overlay systems. The air detrainer reduces bug holes and large air voids that interfere with the creation of polished floors, floors to be coated, or high-density/high-strength interior floors and structures. It can be used routinely in concrete mixture designs and for batch correction of young mixtures with unexpectedly high air levels. The defoamer can be used with all Scofield integral coloring products.

—SCOFIELD, [www.scofield.com](http://www.scofield.com)

# Global Online Learning Resource

- Certificate programs and online webinars.
- Hundreds of on-demand courses available 24/7.
- Topics include concrete materials, design, construction, and MORE.



[www.ACIUniversity.com](http://www.ACIUniversity.com)

## Hilti 22 V Tool Line

Hilti 22 V tools feature Hilti's 22 V CPC Li-ion batteries with backwards-compatible technology. The SF 6H-A22 hammer drill/driver incorporates Active Torque Control (ATC) for greater operator control. ATC minimizes kick back by shutting off the tool if the housing begins to rotate too quickly. The SID 4-A22 impact driver is compact and ergonomic, allowing control and precision in screw fastening applications. The driver has four ultra-bright LEDs positioned around the chuck for improved illumination of the base material, and three gears and electronic speed control allow easy switching between different driving speeds. The SF 10W-A22 ATC drill/driver can drill up to 6 in. (152 mm) holes in multiple layers of wood. It features four gears for drilling in metal and other base materials. The RC 4/36 radio charger is a rugged combination of a radio and battery charger built for tough jobsite conditions. It delivers great audio quality while charging Hilti 18 V, 22 V, or 36 V Li-Ion batteries.

—Hilti, Inc., [www.hilti.com](http://www.hilti.com)

## Web Notes

### CEMEX Go

CEMEX Go is a fully digital customer integration platform. Users can review their history of transactions, track their shipments real-time via GPS, receive instant notifications of their order status, adjust orders, and have full visibility and transparency of information needed to better manage business. Users get more done in less time by simplifying and streamlining interactions with CEMEX and reducing administrative tasks.

—CEMEX, [www.cemex.com](http://www.cemex.com)

## Book Notes

### *fib* Bulletin 82 Precast Segmental Bridges

*fib* Bulletin 82 “Precast Segmental Bridges” provides a historical overview of precast segmental bridge development. It describes the available techniques for production of the elements and construction of bridges. This book addresses the strong interaction between design, production, and construction; specific aspects of design, production and construction; and maintenance, repair and demolition. *fib* Bulletin 82 also presents case studies. The report concludes with a bibliography and exemplary projects.

—*fib*, [www.fib-international.org](http://www.fib-international.org)  
183 pp.; ISBN: 978-2-88394-122-9

## Products & Service Literature & Videos

### *Jointed Precast Concrete Pavement*

The National Precast Concrete Association (NPCA) worked closely with two expert practitioners to create a photo- and schematic-rich manual that provides comprehensive information on precast concrete pavement. The document covers topics such as pavement design, shop drawing preparation, panel fabrication, installation details, project execution, and maintenance of completed installations. The manual is a living document and will be updated on a continual basis. The document can be viewed at [https://precast.org/wpcontent/uploads/2017/10/JPrCP\\_Manual\\_2017.pdf](https://precast.org/wpcontent/uploads/2017/10/JPrCP_Manual_2017.pdf).

—NPCA, <https://precast.org>

