

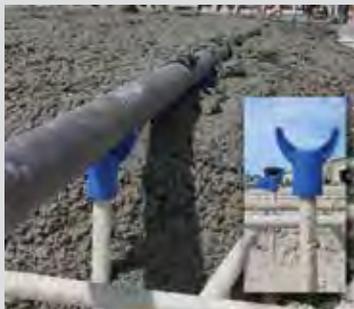
# Product Showcase

## Innovative Products

### Kestrel 4300 Construction Weather Tracker

Kestrel released the 4300 Weather Tracker, which measures relative humidity, temperature, and wind speed and displays an estimated evaporation rate. Evaporation rate is an environmental indicator that concrete contractors use to avoid plastic shrinkage cracks in concrete. The meter stores the time and environmental data, and the contractor can later upload the data to a PC with the Kestrel PC Interface, allowing long-term storage, in-depth analysis, and detailed charting. Every Kestrel is individually calibrated to NIST-traceable standards and comes with a Certificate of Conformity. Kestrel 4300 features a waterproof case; a backlit display; customizable data storage of up to 3600 data points; a humidity sensor that can be recalibrated in the field; a user-replaceable impeller; a user interface that can be set in English, French, German, and Italian; and a 5-year warranty.

—Kestrel Meters, <http://kestrelmeters.com>



### Mako Screed Support Systems

Mako Screed Support Systems offers contractors a method to maintain the finished elevation of concrete while increasing F-numbers and reducing production time. It can be useful for projects such as slab-on-ground, elevated decks, flat floors, bridges, thickened slabs, and leveling subgrade. The system contains a driver and FinCap screed support, which allows one person to set multiple FinCap screed support locations. The FinCap fits mounting structures from 3/8 to 5/8 in. (10 to 16 mm) and supports a nominal 1.5 in. (40 mm) schedule 40 or higher screed pipe.

—Mako, [www.makoproducts.com](http://www.makoproducts.com)

### Primekss PrimeComposite Jointless

Primekss introduced Prime Composite Jointless, a technology used to create steel fiber-reinforced nonshrink concrete flooring without joints. Flooring areas can be jointless up to 650,000 ft<sup>2</sup> (6000 m<sup>2</sup>). Joints can slow down lift truck traffic, so selecting jointless floors allows for increased production. Jointless floors can also improve durability and functionality of floors. There is no requirement for filling and maintaining joints, and racks or equipment can be placed where needed.

—Primekss, [www.primekss.com](http://www.primekss.com)



### TEC Fast-Set Deep Patch

TEC® Fast-Set Deep Patch is a self-drying cement-based underlayment. It is ready for most floor coverings in approximately 1 hour. This formula is designed for deep fills, ramping and leveling concrete, and application on plywood subfloors. It can be used for fills up to 1.5 in. (38 mm) in a single application. It can be placed with a steel trowel, float, or screed. Fast-Set Deep Patch provides a compressive strength of 4200 psi (29 MPa) and contains zero volatile organic compounds.

—TEC, [www.tecspecialty.com](http://www.tecspecialty.com)

### US Concrete Aridus Rapid Drying Concrete

US Concrete, Inc., offers Aridus® Rapid Drying Concrete, a self-desiccating mixture that reduces excess moisture in concrete at the beginning of the project to reduce drying time. This mixture enables faster and more effective floor-covering installations, while reducing the risk and liabilities associated with floor-covering failures. It features high early strength and minimal curl.

—US Concrete, [www.us-concrete.com](http://www.us-concrete.com)

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## EnStyro EPS and XPS Shredder

EnStyro shredder was designed to produce concrete aggregate from polystyrene foam. It rips expanded polystyrene and extruded polystyrene into smaller pieces that pass through a screen before collection. The screens are removable and range from 1/8 to 1.5 in. (3.2 to 38.1 mm). The shredder rips rather than shears, allowing particles to have different shapes and sizes while achieving the lowest possible density. It features an exhaust

blower that transports materials through the shredder and into the collection bag.

—EnStyro, [www.enstyro.com](http://www.enstyro.com)

## Hilti POS 150 and 180 Robotic Total Stations

Hilti introduced the POS 150 and 180. Plans and work points are stored in memory in the station. The compact controller is in permanent wireless connection with the station, providing direct access to all the functions and allowing one-person operation. The stations can be used for 3-D layouts, measuring offsets and slopes, and direct area measurement. Hilti's calibration service helps ensure reliability and accuracy. Both stations are covered by Hilti's lifetime service plan and a service agreement that includes 2 years of zero-cost coverage.

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



## Dually Reinforcing Bar Support

LTM Concrete introduced Dually, a reinforcing bar support that allows bars to be supported at seven different elevations. It can be used in footings, slabs, walls, and post-tensioning projects. Dually features a wide base for stability on uneven surfaces and a wide opening that allows concrete to flow through.

—LTM Concrete, <http://ltmconcrete.com>

## Giatec Surf

Giatec Scientific Inc. introduced Giatec Surf™, a testing device to measure the surface electrical resistivity of concrete based on the four-probe technique and includes software to generate reports according to standard specifications. Also, Surf can be used to test chloride permeability in concrete. It features patented technology, variable frequency (13 to 100 Hz), a wide resistivity range (0.1 to 1000KΩ·cm), fast measurement, fresh concrete testing and crack detection applications, a continuous measurement mode, and a USB connection.

—Giatec Scientific Inc., [www.giatecscientific.com](http://www.giatecscientific.com)

## Wagner Meters Data Master

Wagner Meters introduced DataMaster™, designed to obtain instant tracking and reportable data information to monitor internal humidity in concrete. The meters feature touch-screen controls with Bluetooth™ Technology and the Rapid RH® Easy Reader to reduce errors in data storage. RH data can be securely and accurately tracked from the initial reading to the final report and can be uploaded for reporting, sharing, and archiving. Records can be exported into Excel® documents for record keeping. DataMaster also features Smart Sensor, a function that allows collection of serial numbers to compare with the onsite database to confirm calibration.

—Wagner Meters, [www.wagnermeters.com](http://www.wagnermeters.com)

