

NEW PRODUCTS

BUILT TO LAST. HILTI DUAL SLOPE ROTATING LASER PR 300-HV2S

The new Hilti dual slope rotating laser PR 300-HV2S is truly a universal tool. Working horizontal, vertical and in dual slope mode this tough tool does it all with an easy user guided interface and includes a remote and receiver in one device.

All Hilti exterior lasers, including the Hilti PR2-HS, PR 30-HVS and now the PR 300-HV2S, are complete with the most innovative drop-resistant technology, equipped with protective features internally and externally. The rotating laser can resist drops from a tripod at 5 ft. and the receiver can withstand drops from 6.5 ft. due to the new PRA 83 rubber housing.

If slope values are provided, the new, digital, dial-in functionality allows users to enter the X & Y values and the tool does the work for you. However, when trying to identify an existing slope the PR 300-HV2S includes an auto-alignment feature which aligns the laser to the receiver, allowing the user to read the slope value on the display. Simply set the tool up, press "AUTO" and watch it work for all types of applications.

Pair the tool with the Hilti Automatic tripod PRA 90 for the fastest, one-person height transfers when compared to traditional methods. In vertical mode, auto alignment replaces string line applications. The laser line remains in a steady position, unlike string which is prone to movement.

Hilti rotating lasers are highly accurate tools, however even with Hilti's built-in protection features, such instruments can be effected over time by everyday use. The Rotating laser PR 300-HV2S is backed by Hilti Calibration Service to provide continued reliability and accuracy. When sent to Hilti for repair, the PR 300-HV2S will be calibrated and adjusted as needed, with the calibration confirmed in writing for professional assurance. The Hilti Dual slope rotating laser PR 300-HV2S is covered by Hilti's Tool Warranty 20/2/1 which consists of

20 years of repair or replacement of defective parts; 2 year no cost repair including wear and tear; and a guaranteed 1-day turn-around on repairs.*

**Some limitations apply. Contact Hilti for details.*

For more information about the Hilti Dual slope rotating laser PR 300-HV2S please contact:

Hilti Customer Service

U.S. Phone: +1 (800) 879-8000

Canada Phone: +1 (800) 363-4458

Websites:

www.us.hilti.com

www.hilti.ca

LIGHTWEIGHT TOOLS THAT PACK A PUNCH - HILTI LAUNCHES 12 V CORDLESS LINE

Hilti has launched its smallest and lightest range of cordless tools to help customers reach new levels of productivity, control and accessibility in everyday light-duty drilling and screw-driving applications.

Operating on a new 12 V battery platform and only weighing around 2.5 lbs. each, the Hilti Cordless hammer drill/driver SF 2H-A, Cordless screwdriver SFD 2-A and Cordless impact SID 2-A have been designed for working in tight spaces, dark corners, and occupied spaces where noise level is a concern. These tools are well-balanced and ergonomically designed for excellent handling and working comfort including a slide style connection battery that makes it easier to handle. They also feature two LED lights on the base of the tool to illuminate the task at hand.

The 2.6 Ah Li-Ion batteries come complete with State-of-Charge indicators so users will always know how much charge is left to complete their work.

- Hilti Cordless hammer drill/driver SF 2H-A: This combination hammer drill/driver provides versatility to tackle multiple applications such as drilling small diameter anchor holes in hollow concrete block or brick and installing masonry screw anchors to

drilling and fastening into wood base materials.

- Hilti Cordless screwdriver SFD 2-A: The SFD 2-A Cordless screwdriver is designed to reduce noise while providing reliable, fastening performance needed to get the job done. With its quiet, 15-position torque clutch, professionals have more control when fastening, in turn protecting finished products and base materials.
- Hilti Cordless impact SID 2-A: The SID 2-A Cordless impact driver is the ideal solution for driving self-drilling metal screws, small diameter concrete screw anchors and wood screws in environments where these applications exist.
- The 12 V range is fitted with Hilti's Lithium Cordless Power Care (CPC) system which features electronic battery management for extra-long lifetime and an impact-resistant battery casing for high drop resistance.

The new 12 V kits are offered with either a single 12 V battery charger or a 12 V battery adapter that will allow customers to use their existing Hilti 18 V and 36 V Li-Ion chargers to recharge the 12 V batteries.

This 12 V line is built to provide long-term service under the most rugged conditions. These tools are covered by Hilti's Tool Warranty 20/2/1 which consists of 20 years of repair or replacement of defective parts; 2 year no cost repair including wear and tear; and a guaranteed 1-day turn-around on repairs.*

**Some limitations apply. Contact Hilti for details.*

For more information on the Hilti 12 V line, please contact:

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NEW PRODUCTS

THE SMARTER WAY TO MEASURE - HILTI LASER RANGE METER PD-C

Messy paper trails can really slow you down, especially when you have a lot of jobsite areas to visit. The new Hilti Laser range meter PD-C is here to help. The PD-C captures and saves measurement data directly onto digital photographs taken by an integrated camera and laser module. Users can document jobsites, add comments, and export data into a single report. Digitize the entire measurement process from capturing measurements, to adding context to these measurements, and finally connecting your device and sharing this valuable data – all with one easy-to-use tool.

Capture

Thanks to the PD-C's camera targeting function, contractors can spot the laser target easily whether indoors or outdoors, under any light condition. Leave guess-work behind with the PD-C's time-saving intuitive guides and geometric calculations built into the software and easily visible on the large smartphone-like screen. Smooth navigation and a strong Gorilla® Glass display ensures the PD-C is ready for use on any jobsite.

Context

The PD-C features 4GB of memory and can store over 3000 measurements with pictures. Simply point, shoot and mark dimensions directly onto the photo. One person is able to accurately measure heights to ceiling and long distances up to 656 ft. The PD-C makes it easy to document where and what you measured so you can report issues, plan material orders, or collaborate more effectively.

Connect

Share project data in a single PDF or CVS report and transfer it conveniently via USB to any computer, or Bluetooth to Android devices. Photos with measurements can be exported as a JPG file. A clear digital document trail makes it easy to generate accurate estimates to help insure that the right amount of materials are purchased, or verify that work is completed to specification.

Hilti lasers are dedicated to precision accuracy yet even with built-in protection features, such instruments can be affected over time by everyday use. The PD-C is covered by Hilti's Tool Warranty 20/2/1 which consists of 20 years of repair or replacement of defective parts; 2 year no cost repair including wear and tear; and a guaranteed 1-day in-and-out of our Repair Center on repairs.* The PD-C is also backed by Hilti Calibration Service to provide reliability and accuracy. The PD-C will be calibrated, and adjusted if needed, with the calibration confirmed in writing for professional assurance.

**Some limitations apply. Contact Hilti for details.*

For more information on the Hilti Laser range meter PD-C, please contact:

Hilti, Inc.

U.S. Phone: +1 (800) 879-8000

Canada Phone: +1 (800) 363-4458

Websites:

www.us.hilti.com

www.ca.hilti.com

HUNTSMAN TO LAUNCH GRANUMAT™ 4.0 PIGMENT DOSING SYSTEM WITH NEW FEATURES FOR FASTER COLORED CONCRETE

New metering system with unique functions to be unveiled at bauma. Visit Huntsman at bauma at Messe München, Germany at Stand 224 / Hall B1

The Pigments & Additives division of global chemical company Huntsman today announced the forthcoming launch of the GRANUMAT™ 4.0 Color Synthesizer – an advanced pigment metering solution designed to make the manufacture of colored concrete smarter, quicker and more efficient!

With a range of new features – including the unique ability to simultaneously weigh and dispense up to ten colors at high speed – the GRANUMAT™ 4.0 Color Synthesizer is the next step in the evolution of Huntsman's popular color pigment metering systems. GRANUMAT™ metering systems are a

family of modular machines that enable the easy, clean and accurate coloring of concrete in a wide spectrum of shades, using free-flowing GRANUFIN™ micro granules. First launched in 1989, GRANUMAT™ machines make the production of colored concrete more economical, automatically weighing and transporting pigment from bulk storage containers directly into a concrete mixer in a completely enclosed automated batching operation.



As the latest addition to the established GRANUMAT™ range, the GRANUMAT™ 4.0 Color Synthesizer comes with a number of advanced features including:

- The unique ability to simultaneously weigh up to ten colors at high speed, and serve four mixers and cyclone holding hoppers either randomly or at the same time. This dual functionality means the system can keep pace with the fastest batching plants and production machines available in the concrete sector.
- Two different interface options to support the drive for Industry 4.0 – the fourth industrial revolution. Purchasers of the GRANUMAT™ 4.0 Color Synthesizer can choose between a PC and a Touch Panel PLC control system. Both options use a smart Ethernet connection to relay information between the metering machine and the batching plant's control system. This smart technology enables digital start and feedback signals to be easily exchanged. It also means color recipes, information on target and actual color dosages, and statistical data on color consumption can be easily relayed. A smart function that enables

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the system to automatically adjust weighing and conveying parameters is also available.

Thanks to a series of clever engineering adjustments, the GRANUMAT™ 4.0 Color Synthesizer is also more compact in size than other equipment options. A typical six-color metering system is around 5.2 meters tall while the GRANUMAT™ 4.0 Color Synthesizer is just 4.55 meters.

In parallel to the development of the GRANUMAT™ 4.0 Color Synthesizer, Huntsman has developed a Cyclone 4.0 holding hopper to work in tandem with the system. With novel pressure controlled extraction capabilities, the Cyclone 4.0 can empty a pigment batch into the mixer while the conveying cycle is still in progress – saving manufacturers additional time and money.

Todd Cottrell, Global Business Director for Pigments & Additives at Huntsman, said: “Worldwide the GRANUMAT™ name is recognized by concrete formulators that want a straightforward approach to adding color and vibrancy to their construction materials. Its launch in the late eighties revolutionized the process for coloring concrete. With unique features, the GRANUMAT™ 4.0 Color Synthesizer takes this one step further – enabling concrete producers to speed up the production of colored concrete and embrace the most important facets of Industry 4.0, namely resource efficiency, adaptive control and data driven insights.”

“Around the world, manufacturing companies across a variety of sectors are embracing automation, creating smart factories and production plants where the use of clever technologies makes new processing efficiencies and reductions in operating costs a possibility. It’s the same story in the concrete industry and we are delighted to bring a smart pigment metering system to the sector to fit with this drive.”

Using the GRANUMAT™ 4.0 Color Synthesizer, concrete manufacturers can create their own shades from primary colors by additive weighing. They can

also use special colors such as carbon black, white or green. The system also provides:

- A batch range of 200g (0.44lb) up to 40kg (88lb) per color
- Accuracy up to +/- 10g (0.022lb)
- A total color batch as low as 500g (1.1lb).

The unit can be fed by big bags or reusable containers. Dosing is undertaken via single weighing units per color via butterfly valves, giving a choice of coarse, fine or pulse dosing.

Huntsman’s GRANUMAT™ pigment metering equipment portfolio now consists of nine different dosing systems. Customers already using a GRANUMAT™ system can upgrade to the latest equipment technology and / or replace the existing control system as appropriate. The GRANUMAT™ 4.0 Color Synthesizer was designed by Huntsman’s team of technicians and can be customized to meet specific requirements. Used in conjunction with Huntsman’s free-flowing GRANUFIN™ micro granules, GRANUMAT™ metering systems provide a complete colored concrete production solution.

For more information about GRANUMAT or pigment options for coloring concrete, please go to: www.huntsman.com/pigmentsandadditives or email: P&A_info@huntsman.com.

¹The GRANUMAT™ 4.0 Color Synthesizer is up to 50% faster than other metering machines in the GRANUMAT™ family. This calculation is based on a three-color process with parallel additive weighing including time for moving the collecting hopper – and conveying to two cyclones or mixers simultaneously.

LARSON ELECTRONICS RELEASES MOBILE LIGHT TOWER WITH DIESEL ENGINE GENERATOR

Larson Electronics, a company that specializes in industrial lighting solutions, releases a towable, self-contained metal halide floodlight tower equipped with an 8.1kW marathon generator. The WCDE-7.5K-4X1000W-MLK mobile light tower from Larson Elec-

tronics is a self-contained towable light tower that produces enough light to illuminate up to five acres. This unit contains a water cooled diesel engine powering an 8.1kW Marathon generator with a Kubota Z482 EPA Tier 4 engine which supplies the current to the four 1,000 watt metal halide lamps. The lighting system on this unit is comprised of four 1,000 watt metal halide lamps producing 440,000 lumens of light. These metal halide lamps are paired with high quality reflectors enabling each light head to produce a far reaching, yet intense and well-focused beam without overcast, glare, or light spillage. Each light is securely fastened to the light boom and each lamp includes a support bracket to help maintain lamp stability. These lamps offer an IP67 rated construction, resisting the ingress of dust, dirt, and humidity and can withstand rapid temperature changes and rough environmental conditions.



The 8.1kW Marathon generator provides stand-alone power for the light tower and incorporates a 28 gallon fuel tank, allowing the engine to operate for up to fifty hours. All of the operating components are housed within a protective compartment with doors, providing easy access to the controls and generator system. The telescoping tower on this unit reaches twenty-five feet when fully

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deployed and folds down to a compact eight feet for storage and transport. A manual winch provides the elevation and the 360° rotation of the mast. Four stabilizing outriggers, located on each corner of the trailer, provide stability when the tower is fully deployed. The entire unit is mounted onto a two wheel trailer with thirteen inch wheels and a foldable tongue with a reversible 2-inch ball coupling/pintle hitch. The reversible hitch consists of a standard 2" ball coupling on one end and a 3" pintle towing hitch on the other end. To switch ends, the operator unbolts the hitch attachment, flips it to the desired end, and reinserts the bolt. The trailer also features forklift pockets for easy loading and unloading of the unit.

"This towable, self-contained light tower is designed to withstand harsh outdoor conditions such as construction sites, mining fields, and in emergency services," said Rob Bresnahan, CEO of Larson Electronics. "This new lighting package produces 440,000 lumens of intense, concentrated light capable of illuminating a five acre area."

Larson Electronics specializes in portable industrial lighting equipment, high mast light towers, explosion proof light fixtures, power distribution systems, LED lighting and more.

To view their wide range of products, visit them on the web or contact them at:

Larson Electronics

Phone: +1 (800)-369-6671

Website: www.Larsonelectronics.com

LARSON ELECTRONICS RELEASES HAZARDOUS LOCATION EMERGENCY EXIT LIGHT WITH BATTERY BACKUP

Larson Electronics, a company that specializes in industrial lighting solutions, announced the release of a hazardous location emergency exit light system equipped with a 90-minute battery backup ballast to allow operation when power is severed.

The HAL-EMG-EXT-12W-2L hazardous location bug eye system from Larson Electronics is an ideal emergency

lighting solution for locations where failsafe lighting reliability is a must. This lighting system is constructed with two 10 watt LED light fixtures, along with an enclosed battery backup ballast allowing the unit to operate for 90 minutes once power is lost. The 10-watt LED lamps incorporated in the unit produce 1,050 lumens each and provide over 50,000 hours of operation. The LED lamp is protected by a Pyrex globe and a polycarbonate globe guard.

This Class 1 Division 2 rated hazardous area emergency lighting system carries an integral maintenance-free, sealed, high temperature Nickel-Cadmium battery backup power supply. When the external power is severed, the unit automatically switches to its battery backup allowing the unit to operate for up to 90 minutes. The battery is protected from deep discharge by solid state circuitry which senses low voltage, turning the unit off before battery damage can occur. Once power is restored, a built-in charger will re-energize the battery to its fully charged state. An integrated pilot light indicates the presence of AC current and a test switch allows for easy confirmation of proper operation. The emergency exit bug eye system is multi-voltage capable and operates with voltages ranging from 120 volts AC to 277 volts AC.



"This emergency bug eye lighting system provides enough illumination to ensure that all employees can locate the exit safely when an emergency arises," said Rob Bresnahan, CEO of Larson Electronics. "This unit is ideal in hazardous areas such as manufacturing facilities, refineries, and in plant operations where failsafe lighting is required." Larson Electronics carries an extensive line of LED light towers, portable power distribution systems, explosion proof lights for hazardous locations, portable

work lights and industrial grade LED area lights.

To view their wide range of products, visit them on the web or contact them at:

Larson Electronics

Phone: +1 (800)-369-6671

Website: www.Larsonelectronics.com

SCHWING BRINGS READY-MIX PRODUCERS GREATER FUEL SAVINGS WITH SCT CONTROL SYSTEM

ST. PAUL, MINN. (April 26, 2016) – Schwing America's (<http://schwing.com>) new mixer truck control system, Schwing Control Technology (SCT™) brings greater fuel savings to ready-mix concrete producers across the country.

"With our new SCT mixer control system, we're now offering concrete producers fuel savings never before seen in the ready-mix market – making Schwing America a leader in mixer truck control system technology," said Aaron Lian, Vice President and General Manager, Ready Mix Products for Schwing America.



The patent-pending SCT system separates engine and drum RPMs for better fuel economy and lower overall RPMs. The system senses the material during charging and the SCT system adjusts the truck and drum RPM to an optimal load

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setting. Once the vehicle reaches a certain speed, the hydraulic pump output goes into a constant flow and refrains from drawing horsepower from the engine. This process delivers approximately 35 – 40 horsepower back into the engine, which generates the fuel savings and efficiencies.

“Maintaining the drum at lower constant speeds saves approximately 100,000 drum revolutions per year, which equates to considerable savings in fuel consumption,” Lian said.

Schwing recently worked with Carr Bros., a ready-mix concrete business in Cleveland, Ohio, to conduct a fuel study using two identical mixer trucks. Removing all of the other variables by using two identical trucks, Carr and his team used the drum control as the independent variable to determine precise

fuel consumption between the two vehicles.

“The study we conducted with Carr Bros. concluded that using the SCT system with SMART Drum® in ideal conditions can save ready-mix concrete producers 14.7 percent in fuel consumption,” said Charlie Schumacher, national sales manager with Schwing. “Using these findings, we can conservatively say that producers can save around \$4,000 to \$5,000 annually for each truck using the SCT technology. We have seen similar results in tests with major ready mix companies in the US.”

Lower drum speed provides a number of ancillary benefits as well, including longer drum life, higher quality concrete and a lower center of gravity, which gives concrete producers a better product and a higher level of safety.

All mixer trucks and the SCT systems for North America are designed and manufactured at Schwing America’s manufacturing facility in St. Paul, Minn.

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Call (651) 366-6095 for information on how to send your New Product information to ICRI. Editorial content for the July/August issue is due by mid-May.

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