



PROFESSIONAL DEMOLITION AMERICAS

Your Gateway to North, Central and South America

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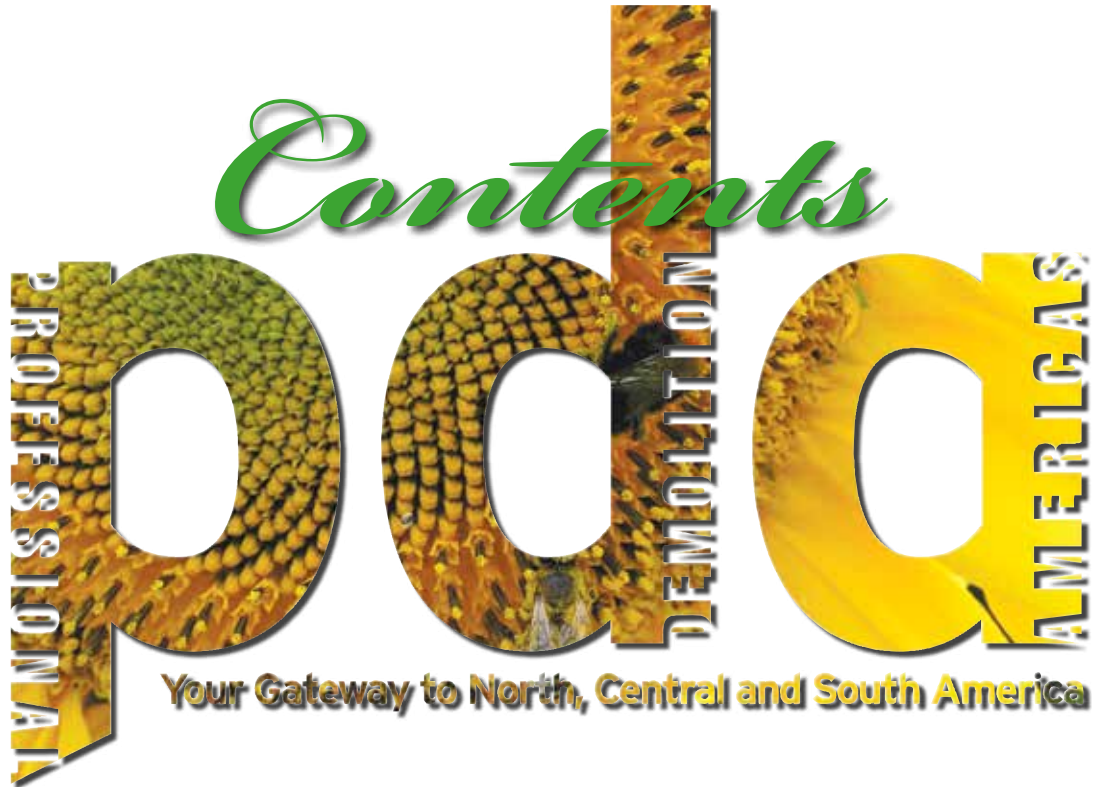
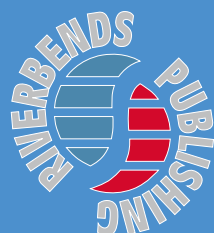
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Ready For The Big Time?

Conexpo Lesson #1: You will not see everything.

I learned that the hard way on my first visit to the triennial mammoth U.S. construction trade show a few years ago. As a veteran of many World of Concrete shows, I figured it'd be pretty much the same, just more of it.

Nope. It wasn't quite the same, and there was a LOT more of it. And I'm sure I'm not the first newbie to discover that.

But that's OK, because the sign of any good trade show is finding equipment and product exhibits that may help with pre-determined needs, or spark an interest in something you hadn't thought. For most of us, time in Las Vegas is finite. Better to spend it talking with manufacturer reps, watching demonstrations, taking in seminars, and chatting up old acquaintances than trodding one long aisle of displays after another, and simply saying "meh."

As noted in our preview story elsewhere in this issue, Conexpo has a different, heavy equipment focus as opposed to World of Concrete, which is why both shows can co-exist every three years, despite taking place within a few weeks of each other. It's also why a trip to one event shouldn't rule out going to the other. Like a visit to New York City or Yellowstone Park, Conexpo is something everyone in the North American construction industry should experience at least once in his or her life. And a commitment to coming back is usually pretty easy to keep.

No, you won't see everything at Conexpo. But you'll be glad you came and tried to do as much as possible. It's worth the effort, and the tired feet.

In Memoriam

Those who keep up with construction trade journals probably already

know that Engineering News-Record Managing Editor and construction equipment maven Tudor Van Hampton passed away in February, the result of an inoperable brain tumor that was diagnosed last year.

Anyone who met Tudor or read his work knows well his unique gift of conveying a love and enthusiasm for the construction industry while also teaching readers and listeners something very important about a particular issue. In Tudor's hands, no topic was too mundane or tangential that it couldn't be turned into a good, informative story. Tudor didn't want to simply satisfy his own curiosity; he wanted to make it relevant to his audience as well. And usually, he succeeded.

I had the great pleasure and privilege of knowing and working with Tudor, maybe not as closely as others in his professional circle, but enough to recognize that he was as genuine a person as he was a talented journalist—qualities that anyone in this business (or any field, for that matter) would do well to emulate.

Thanks to ENR's massive digital archive, we can still join him for equipment test drives, eavesdrop on conversations with executives and everyday workers, and even learn how to operate a tower crane.

There are always regrets when someone of Tudor's caliber passes. The best I can do is to be thankful that he came this way, and for leaving us with so much to remember and be inspired by.

Jim Parsons, Senior Editor
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Atlas Copco to Acquire Erkat Spezialmaschinen & Service GmbH

Atlas Copco, a leading provider of sustainable productivity solutions, has agreed to acquire Erkat Spezialmaschinen und Service GmbH, a manufacturer of drum cutter attachments for excavators.

Erkat is based in Håmbach, Germany, and has sales and service locations worldwide. The company makes drum cutter attachments for excavators used primarily in construction and demolition and for quarries and tunnels. The Erkat brand name is well recognized for premium quality and continuous innovation.

"Drum cutters are an ideal complementary product for Atlas Copco as a solution provider in rock excavation, tunnel, and foundation profiling and demolition," says Vladimir Kozlovskiy, President of Atlas Copco's Construction Tools Division.

In demolition and rock excavation, drum cutters offer a breakthrough technology to reduce sound and vibration, and improve performance in certain applications and material properties.

"Drum cutters close the gap in certain applications between the ordinary buckets, which are suitable for soil excavation and the highly sophisticated hydraulic breakers, which are used in hard rock extraction," adds Kozlovskiy.

The parties have agreed not to disclose the purchase price. The acquisition is expected to be completed in the first quarter of 2017.



CASE Wichita plant achieves Silver Level designation in World Class Manufacturing



CASE Construction Equipment has received a Silver Level World Class Manufacturing (WCM) certification for the company's skid steer loader and compact track loader manufacturing plant in Wichita, Kan.

Established in 1974, the Wichita site covers 495,000 ft² (46,000m²), housing both skid steer loader and compact track loader product manufacturing and dedicated research and development. The site employs more 400 people and exports to national and international markets. WCM is one of the global manufacturing industry's highest standards for the integrated management of manufacturing plants and processes. It is a pillar-structured system based on continuous improvement, designed to eliminate waste and loss from the production process by identifying objectives such as zero injuries, zero defects, zero breakdowns, and zero waste. To certify improvements, a system of periodic audits evaluates a selection of WCM pillars, forming an overall score for each plant that is the basis for three achievement levels—Gold, Silver, and Bronze. Determining factors for this latest achievement were due to a series of category improvements including Professional Maintenance, Level of Detail, and Motivation of Operators.

www.CASEctools.com

FS Solutions Enters Distribution Partnership with Gerotto Federico S.r.l.

FS Solutions has announced a distribution partnership with Gerotto Federico S.r.l. of Italy. Under the terms of the agreement, the Gerotto Lombrico remote-controlled mini excavator will be sold and supported by FS Solutions in the United States, and by Joe Johnson Equipment (JJE), a subsidiary of Federal Signal Corporation, in Canada.

Ideal for confined spaces and no man entry in such environments as steel plants, refineries and mining operations, the track-driven Lombrico mini excavator can be

used to vacuum settled material in sewage pipelines, manifolds and tunnels larger than 2.6 ft (80 cm) in diameter. Equipped with a suction tube, the double-tracked mini excavator is hydraulically driven from the vacuum truck's hydraulic circuit or a power pack, and controlled through a hydraulic manual manifold. The Gerotto Lombrico includes customizable head configurations for a variety of applications.

The Gerotto Lombrico mini excavator will be available exclusively through FS Solutions' 12 locations in the United States, and through JJE's eight locations in Canada.

www.fssolutionsgroup.com



The Gerotto Lombrico remote-controlled mini excavator will be sold and supported by FS Solutions in the United States, and by Joe Johnson Equipment (JJE), a subsidiary of Federal Signal Corporation, in Canada.

Atlas Copco Board of Directors Proposes Business Split in 2018

Atlas Copco's leadership is considering on a split of the company into two entities—Atlas Copco and "NewCo," a working name that will likely be modified.

NewCo will focus on mining/civil engineering customers, and include the existing mining and rock excavation markets, as well as the Construction Tools division with related service operations. This business has approximately 12,000 employees.

Atlas Copco will focus on industrial customers and include the compressor and vacuum markets, plus the Portable Energy division, including service, and the Specialty Rental division. This business has approximately 33,000 employees.

"The Board and Management believe that long-term shareholder value will be created by splitting the Group into two separate companies," says Hans Stråberg, Chair of the Board of Directors of Atlas Copco AB. "Both businesses are global leaders in their respective fields and will benefit from a more focused management responsibility."

"The two businesses have different demand drivers and demand characteristics," says Ronnie Leten, President and CEO of the Atlas Copco Group. "A split will increase their respective abilities to add value to customers, grow the business and

attract talent." If the shareholders decide in favor of the proposal, the split of the Group is planned to be performed through a share distribution, whereby Atlas Copco AB's shareholders will receive shares in NewCo AB in proportion to their existing shareholding. The intention is to list NewCo AB on the Nasdaq Stockholm stock exchange in the second quarter 2018.

www.atlascopco.com

DYNASET Launches New Website

Dynaset is inviting visitors to explore its new renewed website, www.dynaset.com. It is designed to give better customer experience, and provide a lot more information with a newly designed look.

Newly designed products, work applications, and machine guides give customers a better understanding of Dynaset product range. With the improved contact page including a new dealer locator, the website helps customers to find the closest Dynaset contact around the world. Customers can also download new data sheets and other materials from the website.

The new website provides three possibilities for navigating to product information.

1. Browse Products by Scrolling: All product descriptions, photos, videos etc. is on the same products page. Now customers can browse product information without unnecessary clicks and page downloads. Now only one page download is required and browsing is fast and easy also with tablets and mobile phones.
2. Browse Selection for Machinery: Customers can browse our product selection for different carrier machines. Now it is easier to get ideas how to equip carrier machines such as excavators, loaders, platform lift, tractors, vans, trucks.
3. Browse Selection for Industries: This feature is under a construction and it will be published a little bit later.

The webpage is constructed with latest technology in mind, working fluently in both desktop and mobile devices. Social media and networking features have also been increased. Renewing the websites is part of the bigger development process Dynaset has been making on its materials.

www.dynaset.com





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Event Calendar

The Rental Show 2017

February 26 - March 1, 2017
Orlando Convention Center, FL
therentalshow.com

Samoter 2017

February 22-25, 2017
Verona Exhibition Center,
Verona, Italy
www.samoter.com

CONEXPO-CON/AGG

March 7-11, 2017
Las Vegas Convention Center,
Las Vegas, USA
www.conexpoconagg.com

CSDA Convention & Tech Fair 2017

March 2017
Puerto Rico
www.csdacom

Fabtech Mexico

May 2-4, 2017
Cintermex, Monterey, Mexico
mexico.fabtechexpo.com

M&T Peças e Serviços Brasil

June 7-9, 2017
São Paulo Exhibition Center,
São Paulo, Brazil
www.mtexpo.com

Construction Expo

June 7-9, 2017
São Paulo Exhibition Center,
São Paulo, Brazil
www.constructionexpo.com.br

World of Concrete 2018

January 23-26, 2018
Las Vegas Convention Center,
Las Vegas, USA
www.worldofconcrete.com

Intermat 2018

World of Concrete Europe 2018
April 23-28, 2018
Park de Exposition de
Paris-Nord Villepinte,
Paris, France
www.intermat.fr

DEMCON 2018

September 27-28, 2018
Infracity, Stockholm, Sweden
www.demcon.se



Demolition Contractor Increases Productivity with OilQuick Automatic Coupling System

Erith Group, a specialized demolition contractor in England, recently made a significant investment in new plant and equipment to add to their already extensive fleet, which includes Hitachi Zaxis excavators ranging through various models in the 30-50 ton class. Erith Group Director Dave Darsey insisted that all the new demolition spec machines purchased were to be fitted with the OilQuick automatic quick coupler system, supplied and installed by attachment specialist ECY Haulmark.

Having made the move initially to OilQuick in November of 2013, Erith has since been reaping the benefits the OilQuick quick hitch system has to offer. Along with a safer work site, the need to manually change between attachments has been eliminated, thereby boosting productivity.

"We initially took the OilQuick system on a two-month trial demonstration in 2013 on one of our Hitachi 280 excavators and then subsequently purchased the system," recalls Erith Group Managing director David Darsey. "We have been totally satisfied with its performance as we carry out heavy demolition activities using various attachments. Not one hose has been replaced."

Erith Group has since purchased another 18 OilQuick units. "This is a testament to the quality of the OilQuick product, together with a great after-sales back up from ECY Haulmark," Darsey adds.

ECY Haulmark was invited to witness one of the new machines—a Hitachi Zaxis 470LCH fitted with OilQuick OQ80—in action at a six-month project in Garston, Liverpool dismantling a redundant gas holder.

The complexity of the project required up to 25 attachments changes per day between steel shear, selector grab, and bucket. When

it came to dismantling the gas holder, Erith Group Manager Matthew Balson explains that given the limited access, the project team had to come up with a methodology to dismantle the holder from the inside of the structure.

"We had to remove a section of the crown to allow access for the excavator to get inside," Balson says. "The central area of the chamber was made up of a series of brick pillars with a cast iron stanchion that was supporting the crown. A selector Grab and LaBounty MSD2000R steel shear were able to simultaneously demolish through the brick pillars and steel in sections at a very quick rate, thanks to the OilQuick being fitted. We then removed the outer steel walls which were 41.5 [12.5m] deep."

Due to space constraints, however, the machine operator only reach to a depth of 32-36 ft (10-11 m) with the shear. The team overcame this barrier by lowering a man cage into the annulus with a burner working along and upwards to a height of about 20 ft (6m). This allowed the operator to reach in with the LaBounty steel shear and remove sections at a time all around the inside of the holder. The inner brick wall is to be retained to allow the remaining annulus to be infilled.

Once this section of the project is complete, granular infill will be used to create an access within the central container to allow for a telescopic crane to enter and begin dismantling the surrounding circular steel structure, working to a height of around 148 ft (45m).

Balson adds that without the ability to make the attachment changes so quickly, "This project would have taken much longer to complete or seen the need for more machines working inside of the chamber."

www.oilquick.com

www.allu.net

ALLU at Conexpo

The ALLU Group is pleased to announce that it will be exhibiting at Conexpo in booth G3749. ALLU will focus on its Transformer Series—an excavator/ loader/ tractor-mounted bucket that screens, crushes, pulverizes, aerates, blends, mixes, separates, feeds, and loads materials.

The ALLU DL Series has been designed to be mounted on 12t loaders, and 8t tractors and backhoe loaders. This means they are ideally suited to the requirements of companies requiring limited, yet profitable, material separation, crushing, and processing. The DL bucket design features screening blades that spin between the top screen combs, with the end material size being defined by the space between the combs.

Likewise, the ALLU Transformer D Series comprises of a highly reliable screening bucket ideal for a variety of screening and crushing projects. While their versatility sets them apart, they share the DL-series' use of innovative fine-screening TS® drum construction with standard blades.

The ALLU M Series is specifically for those companies that deal with large amounts of material on a regular basis. The series has been designed to fit excavators and wheel loaders of up to 160t, and can screen and crush materials in feed sizes of .6in to 6 in (15mm to 150mm). Powered by the carrier, these hydraulic attachments provide quick and efficient production, and solve chute blockages and other material flow problems. The attachments also provide a solution for the transportation of frozen or saturated material heaps.

The different sizes and the high level of versatility delivered by the ALLU Transformer Series mean that the machine can be used across a variety of applications. By using a Transformer attachment, excavated soil and rubble need not be transported away and replaced with fresh soil. Along with substantial savings in material and transport costs, the Transformer keeps the job moving because no time is lost waiting for replacement material. Additionally, binders can be mixed if the job undertaken requires stabilization.





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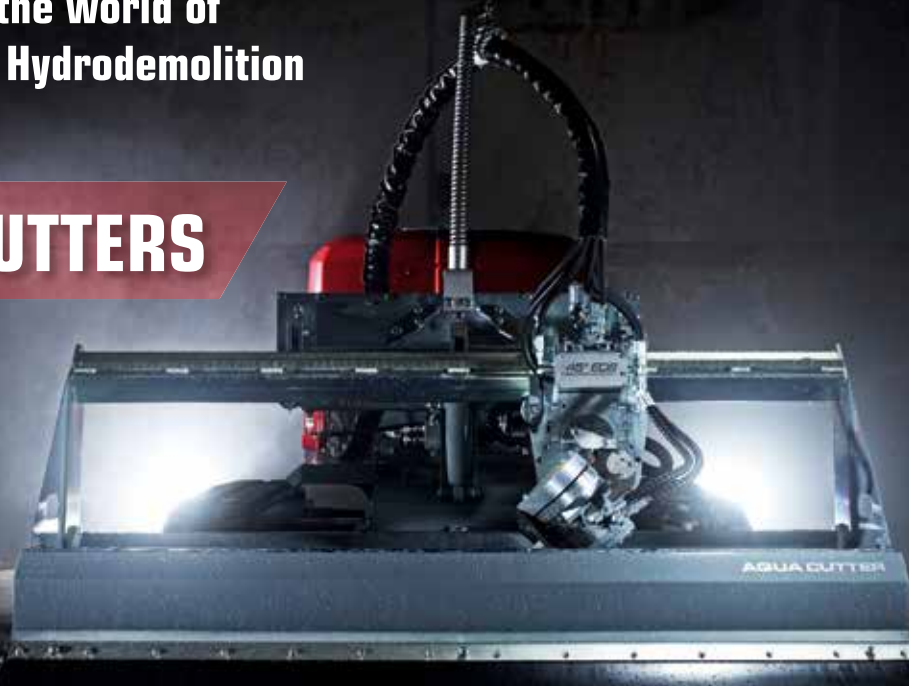
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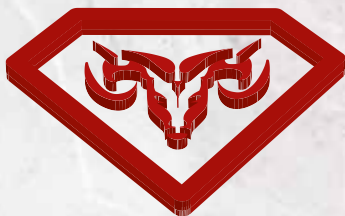
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Kern-Deudiam:

40 Years of Market Success

Kern-Deudiam GmbH is one of the world's leading manufacturers of diamond tools and machines. The company is celebrating its 40th birthday this year, making it one of the oldest in the industry. Managing Director Marko Waymann reveals how the company has succeeded in asserting itself successfully on the highly competitive market.

Text: Ellen Krause, Padertext

In 2008, the 46-year-old took over the management of Deudiam, founded in 1977, from company founder Hartwig Liemke. "Deu" stands for "Deutsch", meaning "German", and "Diam" for "diamond tools."

The core is quality and commitment

"We regard this name as a commitment," Waymann says. "Kern-Deudiam stands for quality made in Germany. We are one of the few companies in the industry who have a production and a development department of our own."

The other name comes from Kern, a wholly-owned subsidiary of Deudiam since 1997, and exclusive supplier to the specialist wholesale trade. The company was subsequently named Kern-Deudiam. Diamond tools and machines from Kern-Deudiam have been used in many high-profile projects in Europe, including the famous "Bay Arena" stadium in Leverkusen, Germany; the emergency exits in the tunnel under the English Channel; and the construction of the luxury



Company founder and long-term Managing Director Hartwig Liemke (left) with his successor, Managing Director Marko Waymann.

hotel Burj al Arab. Diamond saw blades from Kern-Deudiam were also used in the construction of the tallest building in the world, the skyscraper Burj Khalifa in Dubai.

"Our success is mainly based on many things," Waymann says. "First, there is our long-term experience, which makes us experts in the field of diamond tools for stone and concrete processing. This experience is part of everything we do. This ensures a very good and consistent quality. Our customers highly appreciate this, since they know that the quality on the market can vary even within the companies."

Wayman adds that Kern-Deudiam diamond tools offer the highest degree of precision, quality, lifetime, and cutting speed, even under the toughest conditions. They stand out where conventional tools reach their limit. By using only the best raw materials from reliable partners and making the best out of them, the company achieves consistent quality. Kern-Deudiam is certified according to ISO 9001: 2008.



The company from above. Kern-Deudiam produces premium diamond tools and machines at its facility in Hövelhof, Germany.

Customer service top priority for Kern-Deudiam

"That is why our motto is 'Our CORE is SERVICE,'" says Sales Manager Michael Schulz. "Depending on customer requirements, we can paint the tools and label them automatically by laser engraving. We supply the complete spectrum from packaging to labels. Since we are operating world-wide, we are able to supply our customers quickly and reliably anywhere."

Kern-Deudiam exports its special products to approximately 60 countries around the world, especially England, Scandinavia, North and South America, numerous countries in Eastern Europe, and the Arab region. While the export rate is around 58 percent, not all carry the Kern-Deudiam company label. "A large part of our products are marketed as private labels," says Schulz.

Another success ingredient is innovation. One of the company's objectives is the continued development of diamond tools products and technologies. The company has developed more than 750 different mixtures over the years.

"Our biggest asset is our highly trained team of employees, who develop perfect products in close coordination with the field service and professional drilling and sawing companies in order to provide optimal solutions for every application," Waymann adds.

Kern-Deudiam's 50-person workforce includes many company veterans, including some who've been there since the start. "This is a great advantage for the customers, because they always have the same contact person who is familiar with their need," Waymann says.



Sales manager Michael Schulz (left) demonstrates the new joint cutter KDF800-7.5 at an in-house product training.

www.kern-deudiam.de

Atlas Copco Looks to S.P.A.C.E. at Conexpo

At Conexpo 2017, Atlas Copco will launch its latest construction equipment that has been specifically designed to meet the needs of customers across five key areas: Safety, Performance, Advancements, Connectivity and Ergonomics (S.P.A.C.E.). Visitors to Booth C31486 will get the exclusive opportunity to experience Atlas Copco's latest innovations.

Visitors can discover the superior maneuverability and compaction performance offered by the LT8005 diesel rammer. Its slimmer design allows users to work in narrow spaces, including in close proximity to walls and posts. Fixed throttle control positions reduce fuel consumption, while an automatic lock prevents excessive wear on the shock absorbers.

Atlas Copco's latest high performance and fuel-efficient drill rigs will also be



that adapts engine speed to rock conditions and can decrease fuel consumption by up to 10%.

Drill rig connectivity will also be showcased with Certiq, a telematics solution that gathers, compares and communicates vital equipment information. In addition, visitors will be able to see the newest version of the Rig Control System (RCS), which helps to boost the efficiency and productivity of the DM series of blast-hole drill-rigs.

Also on display will be Atlas Copco's latest rock drill bits, including the Powerbit T51, which offers an enhanced service life and significantly higher penetration rates. It includes an optimized bit shape, is manufactured from stronger, hardened steel, and delivers outstanding strength and wear resistance due to its patented Enduro Extra button surface treatment technology.

Atlas Copco will also showcase its new QAS generator range, which has been completely overhauled and incorporates eight models covering power ratings from 25-330 kVA. All new QAS generators include the latest Tier 4 Final engine and have a footprint that is up to 25% smaller than the previous generation. Atlas Copco's new iP inverter generators are available in power ratings between 1.6-3 kVA, feature variable speed smart control, and use advanced electronics and magnets to deliver a clean and predictable source of AC power at the required voltage and frequency.

Numerous portable compressors will be displayed at Conexpo as well, including

the flagship XAS 185; the XAS 110, which can be used to power one or two tools; and the new XAS 400 cfm compressor. The latter features an intuitive PACE system that allows users to match air flow and pressure to their application needs.

For nighttime work, Atlas Copco will display three LED models from its HiLight range: the HiLight E3+, which makes its debut in the US market; HiLight V5+; and HiLight B5+. These energy-efficient LED models offer significant fuel savings of up to 60% when compared to the typical fuel consumption of metal halide solutions.

Finally, Visitors will see how the FleetLink telematics system enables users to monitor and manage their machine fleet efficiently and conveniently

www.atlascopco.com



Terex MPS Re-Launches Simplicity Brand, Debuts New Crushing Plant at Conexpo

Terex MPS is pleased to announce the re-launch of the Simplicity® A Terex Brand at Conexpo. Simplicity will continue to operate under the Terex MPS umbrella, but Terex MPS believes there is considerable benefit to be gained by relaunching the Simplicity Brand as part of the evolution of their business organization. This move will strengthen the company's market position and better leverage its reputation for providing highly customized solutions for customers demanding vibrating equipment requirements.

As part of this re-launch, Russ Burns has been announced as Sales Manager. Burns has a wealth of experience with the product portfolio, and has built strong relationships with many of its customers and distribution partners over the years. His dedication, product knowledge and loyalty to the product have positioned him well to play an influential role in the growth and success of this business.

"We are excited to make this next step in the evolution of the Simplicity brand," says David Quail, MPS Regional Director, Americas. "We've made significant improvements in many aspects of our business over the previous year, with more improvements planned for 2017. We believe that with all these efforts it will strengthen our position in the marketplace."

Also at Conexpo, Terex MPS will debut the CRC1150S features portable crushing plant. Key features include a triple-shaft, high g-force screen; a triple oversized surge buffering cone shaft, high g-force 3-deck screen; and a compact, low maintenance "walk-over" flex shaft screen drive. There's also a quick release hopper with integrated overflow chute system, tri-axle suspension with 57.5-in (1,460.5mm) axle spacing, and a 42-in (1,067mm) main feed conveyor. MPS team members will be on hand throughout the event to introduce these latest innovations and to offer their unique combination of experience and expertise to customers seeking maximum efficiency, performance and serviceability from their equipment.

www.terexmps.com



on display, including the SmartROC T40, which offers up to a 50% reduction in fuel consumption compared to conventional rigs. There's also the PowerROC T45, a robust drill rig for aggregate quarrying. The PowerROC T45 features a Power Eco mode





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Avant Tecno USA Introduces Multi-functional Loaders at Conexpo

Avant Tecno USA, the fastest growing articulated, compact equipment company in North America, will debut its full line of multi-functional loaders at Conexpo.

Though Avant Tecno USA is celebrating its 5-year anniversary in North America this spring, it will be their first time exhibiting at Conexpo.

Avant, manufactured in Finland, is well-known in Europe and in more than 50 countries worldwide. The North American team will be showcasing Avant's 200, 400, 500, 600, and 700 series loaders along with various attachments.



Many attachments in a variety of configurations

In the construction and demolition market, the versatile, agile, and powerful compact Avant loaders utilize many attachments in a variety of configurations including concrete mixers, soil screening buckets, vibrating plate, and

brick paver installation clamp for construction projects; and hydraulic breakers, a cutter crusher, and asphalt grinder for demolition jobs. Avant's backhoes, trenchers, and augers are ideal tools for digging applications within construction projects.

But, performing one task is not in Avant's DNA. Users can quickly change attachments with Avant's unique attachment coupler and hydraulic multi-connector. In seconds, the user can release the hydraulic breaker attachment and hook up a heavy-duty bucket to carry the debris away.

The compact and lightweight styling of the Avant also makes it ideal for work inside buildings. Avant loaders can be lifted onto the roof, take the freight elevator to the basement, and generally perform construction and demolition tasks in tight spaces that usually requires manual

labor. The hydrostatic drive system, offset telescopic boom providing great visibility, and multi-function joystick gives full precision control for the best possible results.

Avant's five model series offer the same compact, articulated, multi-purpose solutions for many types of projects in every season. These versatile machines have

multiple cab options, provide excellent lift to weight ratio, and offer low operating and maintenance costs. Whether you are a Construction and Demolition contractor, Landscape and Property Maintenance professional, or a Municipality or Snow Removal Contractor visit us at booth G1628 to see the full line of Avant loaders.

About AVANT TECNO USA

Avant Tecno USA brings a new breed of compact articulated loaders and attachments to the market. Its technology, benefits and solutions are unmatched in North America. Avant loaders can be equipped with hundreds of attachments, making one machine able to do the work of several. The use of modern hydraulics makes Avant loaders strong and



Avant Tecno USA is a subsidiary of Avant Tecno Corporation which is headquartered in Finland. Avant leads the industry in providing superior engineering and product development in the field of multi-functional loaders and attachments.

www.AvantTecnoUSA.com



Your Attachment Supplier



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BOOTH S5674

What makes Rotar unique

At Rotar we believe that people and machines can operate more efficiently. From this philosophy, we develop state-of-the-art demolition- and recycling attachments for hydraulic excavators and wheelloaders. Rotar is a manufacturer, which means that we are responsible for the development and production of our products ourselves. That is the only way to guarantee the well-known efficiency, quality and productivity of Rotar attachments.

Our employees treat your Rotar attachments as if it were their own. Our craftsmen always aim to develop the best products. That is why we are in constant communication with our customers and dealers, and we often develop products based on their experiences, suggestions and ideas. Once your attachment leaves the Rotar Factory, it bears our name. A name that represents a product with unique performance, produced by a unique team. Uniquely for you.

**Discover our products
at www.rotar.com**



GET THE RED CRUSH!

Great Expectations Conexpo 2017



Conexpo-Con/Agg, the U.S. version of Bauma, is poised to set a record this year when the fair held between March 7 to 11 in Las Vegas. The line-up of exhibitors is already almost a record. Now depends only on whether we succeed in attracting visitors.

March 7-11, 2017, will mark the "giant US show" Conexpo-Con/Agg at the Las Vegas Convention Center. This year's promises at least 200 more exhibiting companies than the last event, held in 2014, while the number of visitors is expected to exceed 125,000.

Strong industry

This time the U.S. building and construction is, if not booming, in a much better shape than three years ago. There is a great optimism that was evident at World of Concrete in 2016. So everything seems all in place for making Conexpo-Con/Agg 2017 a great show. The only thing that may stop visitors from coming is that they have too much to do at home.

The numbers of registered exhibitors are around 2,300 plus—perhaps not be a record, but a very good number. Many of the exhibitors are companies from foreign countries. The exhibition space represents some 2.5 million ft² (232,258m²). In 2014 some 125,000 people visited the show. Let's see if this year's edition can attract more people to come to the show.

Conexpo-Con/Agg is organized by the American Equipment Manufacturers Association, and could be thought of as the U.S. answer to Bauma in Germany. It is not as big as Bauma, but the shows are similar in that predominant equipment on display is more on the heavy side. The light construction equipment (e.g., concrete cutting machinery, diamond tools, and concrete floor grinding equipment) is not represented in the same way as the case at World of Concrete.

But there are still plenty of heavy demolition carriers and attachments, as well as mobile recycling equipment at Conexpo-Con/Agg 2017. And in addition to the displays, there will be more than 150 education sessions including asphalt, aggregates, concrete, earthmoving, lifting, mining, and utilities, as well as technology, business management, and workforce development.

And if you're interested in other technical aspects, remember that Conexpo-Con/Agg is held jointly with the International Fluid Power Exposition (IFPE), which showcases the latest innovations and expertise in the fluid power, power

Attendance by business type

Contractors	63%
Producers	5%
Dealers & Distributors	17%
Government	1%
Mining	4%
Manufacturing	7%
Service Providers	3%

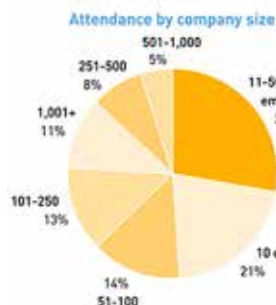
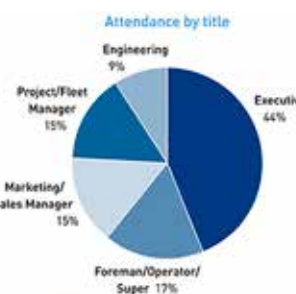
transmission, and motion control industries. Many of the innovations highlighted at IFPE displays often end up in construction and demolition equipment.

What's New for 2017

The Conexpo-Con/Agg Tech Experience is something new, which is a 75,000 ft² (6,968m²) area where you can see the future of the construction industry, and uncover how your business can become more profitable and more efficient. There is also the new Badge-Pack that includes free Las Vegas Monorail multi-day pass, free deluxe coach bus to and from the show to most hotels, and access to seven different halls/lots for Conexpo-Con/Agg on all five show days. There are also discounts at various Las Vegas bars and restaurants, and entry to the Tech Experience. Conexpo-Con/Agg also offers new technology that helps you keep track of exhibitors you visited, and who you want to follow-up most with. Conexpo-Con/Agg will even have its own radio station. You can tune in each Tuesday at 10 am CT for interesting discussions on the future of equipment technology through the eyes of the construction market

Things to do

To benefit The Call of Duty™ Endowment, Conexpo-Con/Agg and IFPE is hosting benefit auctions and a benefit concert with 100% of proceeds going to the Call of Duty



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Endowment. NASCAR fans will be able to take time out to enjoy the on-site NASCAR Experience. There will also be meet-ups for young attendees and other specialty groups. Join your peers each day to network and have some fun.

Full Schedule of Events and Special Discounts

In this issue of PDA you find a selected listed list of exhibitors related to the product areas we regularly cover, such

as demolition, recycling, concrete cutting, floor grinding, hydrodemolition, and related equipment. For a list of all exhibitors please visit the Conexpo-Con/Agg website.

The show issues of PDA and PDI magazines can be picked up in our publication bins at the main entrance of the show. And of course PDA will attend Conexpo-Con/Agg with a staff of four people. Please don't forget to pick up your copy of PDA Magazine in our Publication Bin.

www.conexpoconagg.com

CONEXPO-CON/AGG 2017

Show Hours (PST)

Tuesday, March 7 - Friday, March 10
Exhibits 9 am to 5 pm

Saturday, March 11

Exhibits 9 am to 3 pm



Selected List of Exhibitors Conexpo-Con/Agg 2017

Exhibit As Name	Booth #	Jobsite - Caterpillar Inc	S-Tech	LiuGong	G-3322	Peterbilt Motors Company	S-63839
Acme Specialty Mfg Co	B-93128	Workforce - Caterpillar Inc	S-Tech	Hartl Crusher North America	S-5828	Portafill USA	S-5560
Ajax Tool Works Inc	S-63543	Jobsite - Caterpillar Inc	S-Tech	Hatz Diesel of America, Inc.	S-83840	Power Curbers Inc	S-60538
Alimak Hek Inc	G-1825	Cavotec Inc	B-90415	Hilti Inc	S-61239	Premier Attachments	B-8805
Allen Engineering Corp.	B-7213	SANY Group Co., Ltd.	G-74002	Jobsite - Hilti Inc	S-Tech	PRINOTH	G-4023
Allied Construction Products	C-30056	CASE Construction Equipment.	N-11825	HYDRA srl	S-5039	Promove srl	G-2031
ALLU Group Inc	G-3749	COBRA America LLC	C-31088	Hydra-Tech Pumps	B-90925	Putzmeister America, Inc.	B-7017
Altec	G-4864	Construction & Demolition		Hydraulic Breaker Services	C-20823	Putzmeister America, Inc.	S-60713
American Concrete Institute	B-90005	Recycling Association	GL-20901	Hyundai Construction Equipment	N-11603	Ramco Construction Tools, Inc.	C-22041
Honda Engines	S-84834	Construction & Demolition		UNACEA	S-5136	REMU USA, Inc	G-2616
AMI Attachments Inc.	G-1533	Recycling Pavilion		ICS, Blount Inc.	B-7526	Robo Industries Inc.	G-3229
AMMANN Group	S-5464	Construction Equipment Asso.	C-22807	Ideal Blasting Supply, Inc.	G-4209	Jobsite - ROBO Industries Inc.	S-Tech
Antraquip Corporation	C-20671	Cormidi USA	G-2229	Inan Makina San.Ve Tic. A.S.	G-3132	Rock Tools Equipment, LLC	G-1827
Aqua Blast Corp.	S-62448	Crusher Rental & Sales Inc	C-33100	Indeco North America	N-10614	Rockbreaker Steel Tools	B-92229
Aqua Patch Road Materials,	B-90521	Crusher Wear Parts	B-90711	IROCK Crushers LLC	C-33065	AUTEC Safety Remote Control	N-13380
ARJES GmbH	B-9001	Daemo Engineering Ltd	C-22911	Isuzu Motors America, LLC	S-85405	Rotar North America	S-5674
Arrow Material Handling Prod	S-5066	Western Star Trucks	S-63629	Johnson Crushers International	C-30332	Rototilt Inc.	G-2217
Arrowhead Rockdrill Company	S-5048	Western Star Trucks	B-9300	JIANGYIN	B-92817	RUBBLE MASTER AMERICAS,	S-5057
Arrow-Magnolia International	G-71206	Darda GmbH	G-72914	John Deere Construction	N-12525	Sandvik Mining and Rock	S-5128
The Associated General		Deutz Corporation	S-85230	HITACHI Construction	N-12525	SANY Group Co., Ltd.	G-2877
Contractors of America (AGC)	GL-11279	Dexter + Chaney	S-64811	Joy Global	C-31011	Sennebogen LLC	G-4027
Association of Equipment		Diamond Blade Warehouse	S-64717	Kaesar Compressors Inc	S-63029	Sensors & Software Inc	S-63350
Manufacturers (AEM)	GL-20401	Diamond Speed Products	S-61857	Kinshofer	G-4547	Simex, srl	S-5846
Tech Experience	S-Tech	Diamond Z / Rule Steel	S-5574	KOBELCO Construction	N-10002	SSAB Inc.	S-62239
Astec Industries Inc	C-30332	Digga North America	C-21059	Kobelco Cranes North America	G-4155	Stanley Infrastructure / LaBounty	S-65507
Astec, Inc. C-30332		Doosan Construction Equipment	G-4476	Kolberg-Pioneer Inc	C-30332	Terex Corporation	G-3382
Astec Mobile Screens	C-30332	Montabert/Geith	C-30030	Komatsu America Corp	G-4183	Jobsite - Genie - A Terex Brand	S-Tech
Chicago Pneumatic	C-31727	Doosan Infracore Construction	G-4476	Komatsu America Corp.	N-10902	Terex Washing Systems/Evoquip	C-22705
Atlas Copco	C-31486	Bobcat Company	G-4476	KOCEMA	C-22741	Tesab Engineering	C-32436
ATLAS Group	G-4436	Doosan Infracore Portable	G-4476	Lake Erie Portable Screeners	S-5193	Toku America, Inc.	G-72703
AUSA	G-2331	Doosan Infracore Engine	S-84216	Layher Inc.	S-62152	Toku America, Inc.	G-4315
Avant Tecno USA	G-1628	Doosan Construction Equipment	G-4876	Liebherr	G-4637	Trevi Benne SPA	G-3764
B2W Software	S-65228	Bobcat Company		Liebherr Components AG	S-84230	Vermeer Corporation	C-32627
Bell Equipment North America	G-3243	Eagle Crusher Company Inc	C-31427	Link-Belt Construction Equip	G-3864	Vibra-Ram Inc	S-5209
Best Hammer Industries	N-13354	Dieci	G-4408	Magnum Attachments Inc	N-10602	Jobsite - Volvo	S-Tech
Ready Jet	B-9201	Dieci United States, LLC	G-4408	Manitou Americas	G-4165	Workforce - Volvo	S-Tech
Blasters, Inc	B-8807	Erkat Spezialmaschinen	G-73022	Gehl	G-4165	Volvo Construction Equipment	G-3894
Breaker Technology Consol.	C-30332	OilQuick USA	C-32707	Mustang	G-4165	Volvo Construction Equipment	N-10036
Briggs + Stratton Corporation	B-7316	Jetstream of Houston	C-21014	MB Crusher America, Inc.	S-5211	SDLG North America	G-3890
BROKK	B-90703	MobyDick Site Emission	S-5871	McCloskey Washing Systems	S-5115	Terex Trucks	G-3987
Workforce - BROKK	S-Tech	Rain For Rent/MobyDick	S-5877	McCloskey International Ltd	S-5014	Volvo Penta	N-10036
Brunner & Lay, Inc.	S-62147	FRD Furukawa Rock Drill USA	C-31045	McCloskey International Ltd	S-5115	Volvo Penta	N-10036
Buffalo Turbine	C-33255	Genesis Attachments	S-5614	McCloskey Washing Systems	S-5014	V.T.N. EUROPE S.p.A.	S-5028
Buffalo Wire Works Co., Inc.	C-32957	GSSI	S-62452	Metso	C-31061	Wacker Neuson	G-3435
Buggy Whip Inc.	G-73602	Giant Hydraulic Tech Co., Ltd.	B-93325	Nakayama Iron Works Ltd	G-73813	Wirtgen America Inc	C-31239
C.L.M. s.r.l. (edilizia)	S-5140	Giatic Scientific Inc	B-90729	Next Hydraulics S.R.L.	G-4082	Kleemann	C-31239
Cangini Benne SRL	N-10066	GILBERT - Grizzly MultiGrip	S-6231	Nordic Lights	B-93502	Blount International	C-20553
Canycom USA Inc	C-21040	GOMACO Corporation	C-30380	NPK Construction Equipment	C-21026	Zoomlion Heavy	G-2793
Caterpillar Inc	N-10924	GOMACO Corporation	C-30880	Okada America	C-32815		
Caterpillar Inc	G-4490	Rivard	G-4177	OSA Demolition Equipment SRL	S-5589		

World of Concrete Really Kicks Up the Dust

PDA's Senior Editor Jim Parsons reports on the outcome of World of Concrete 2017. Well done despite a Conexpo-Con/Agg year.

In Las Vegas, fortunes can change with the flip of a card, a roll of the dice, or the choice of video slot machine to while away a few hours (and likely a few US\$20 bills). One never knows when, or even if, it will happen, which after all, is all part of the city's allure.

But there are certainties in life. And for U.S. contractors, it's the scheduled late-June deadline for compliance with the new silica-dust exposure rules, aimed at making workplaces healthier and, perhaps, keeping those experienced (and, increasingly, coveted) workers on the job for a few years longer.

And while dust-control technology has been a staple at the city's annual World of Concrete show over the past several years, the 2017 edition might well have been themed, "all dust, all the time."

That should hardly be surprising, given the industry make-up of World of Concrete's target audience. But having an unofficial theme (at least among many of the exhibitors) may have also helped the show escape the shadow of its "big brother" CON-EXPO-CONAGG, set to occupy the expanses of the Las Vegas Convention Center less than two months later.

True, World of Concrete's numbers were down from 2016 (50,770 attendees and 1,455 exhibitors, a slide of 15% and 5%, respectively), which is not all that unusual for a Conexpo year. But while Conexpo may offer the masses, World of Concrete might well have provided contractors the intimacy to ask manufacturers some questions, especially those who may have waited until the last minute to make their equipment inventory silica-ready.

To be sure, there was no shortage of answers

It was at World of Concrete that many attendees first learned of Husqvarna's acquisition of its Swedish vacuum and slurry counterpart, Pullman-Ermator. One Husqvarna product rep commented that the exhibitor had to scramble to have enough once-red Pullman-Ermator units properly decked out in Husqvarna orange for the show. There was no word as to how the acquisition might affect the company's Tampa-based U.S. operations, or if it might fast-forward the development of new dust control products.

Hilti's always-mammoth (and still red) World of Concrete display featured the first of what new North America CEO Avi Kahn promised are 75 new products to be rolled out in 2017. Among them is the DD250 rig-based diamond coring tool with a drilling range of 1/2 in to 18 in (12.7mm to 457mm) for a broad range of coring jobs, and four gears for faster drilling speed at the right torque. Rotating speeds range from 240 to 2,220 rpm.

Hilti also provided a sneak peek at a new self-priming pump attachment for the company's DSH 700 and 900 saws that will simplify water sourcing for wet cutting. Kahn expects that product to complete its testing regimen and be ready for release in June, along with other dust management products.

Also prominent at the Hilti booth was a new line of 22V cordless tools, powered by batteries that the company promises provide 20% more work per charge than its 18V units, and are backwards-compatible with the company's older tools.

Dust control and batter power were also the top topics of conversation at Bosch's booth, with several universal vacuum attachments designed to easily connect the company's breakers, drills, and grinders. Bosch's CORE 18V batteries also attracted a lot of attention, as the 10-cell units promise to deliver 80% more power than the company's previous-generation batteries,

yet with only a minimal size increase that doesn't affect their use on Bosch cordless tools.

At DEWALT's booth, visitors could try out D25303DH dust extraction system designed for the Brushless 20V DCH273P2 1-in (25mm) rotary hammer. The system features a two-second power-off delay ensures that dust extraction continues after drill is switched off, a durable clear high-capacity dust box, replaceable dust nozzle, replaceable HEPA Filter, and a quick release for easy attachment and disassembly.

There were many other dust-control solutions across the World of Concrete exhibit halls, along with machines to help efficiently generate all that material. Superabrasive introduced the new LAVINA-X series of dust extractors that includes both propane and electric models in several sizes to pair with any LAVINA or other grinders on the market.

The line includes the 19-hp (14.2kW) V32G-X propane model, which will be followed by a smaller counterpart later this year, and several electric models ranging from 3.3 hp (2.4kW) to 10 hp (7.5kW).

The vacuums complimented two LAVINA propane grinder debuts—the 32-inch (814mm) unit, and the even larger L38GR-X, a 38-in (965mm) remote controlled machine.

At the combined Blastrac/Diamatic booth, visitors were greeted with Blastrac's new BDC 122 110V large-bag dust collector with an H-class HEPA filter, and several revamped Diamatic propane grinders that now feature Briggs and Stratton engines. Among them were the 35-hp (26kW) 28-in (711mm) BMG 735P, and the BG 300 edger with a pivoting head that hugs walls closer and more consistently than before.

While many of the start-up grinder/polisher companies that appeared at the outset of the surface prep boom have fallen by the wayside, Phoenix, Ariz.-based Prep Tech Systems is still flexing its proverbial muscles with its new Iron Horse PRO line of grinders that owner Scott Mourtisen says is the highest on-pressure tool in the world.

Crafted from 1/2-in (12.7mm) plate steel, with Siemens motors and Delta drives, the high-end planetary-driven PT ONE 25-in (635mm) grinder on display boasts 700 lb (317kg) of pressure in its operating configuration, and a nine-position adjustable weight system designed for varying tool pressure requirements.

"This line is designed for long-term jobs, where contractors are working weeks at a time," says Mourtisen, who developed the products based on his own experience as a surface prep professional.

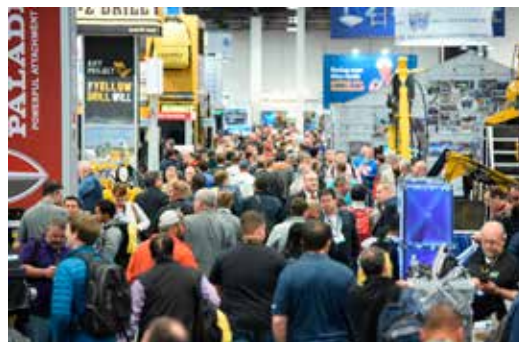
But wait, there's more!

Among the other products introduced at World of Concrete was the Atlas Copco Cobra PROi gas breaker, the first with a custom electronic fuel injection system that uses up to 40 psi (2.75bar) less than standard systems. Weighing just 53 lb (24kg), the PROi has a 2-stroke, 90cc engine delivers up to 44 lb ft (60J) of breaking force. Hand-arm vibration level on the axes helps minimize operator fatigue.

In addition to its dust extraction products, DEWALT rolled out a whopping 15 new grinders and nine new rotary and demolition hammers, headlined by the SDS 60V MAX* 1-9/16-in (40mm) combination hammer.

For high-rise work, contractors will want to keep an eye out





for Skyjack's 105-hp (78kW) 1256TH telehandler, which will be in production later this spring. A prototype on display at World of Concrete was said to have the capacity to lift 12,000 lb (5,443kg) to 35 ft (10.6m), and 7,000 lb (3,175kg) to 55 ft (16.7m).

Also on the watch list is Lackmond Products of Marietta, Ga., which has formed a new partnership with a manufacturer in the Netherlands to create a line of handheld core drills for grinding and polishing. The company promises that the new products should be arriving on the North American market soon.

What contractors don't have to wait for is Skilsaw's new MEDUSAW worm-drive concrete saw that features a Cut-Ready™ adjustable plunge lock that allows users to quickly and accurately set and make consistent plunge cuts.

"With MEDUSAW, we built features into the tool so you don't need a second person to hold a vacuum or water hose to collect the dust," says Gregg Mangialardi, SKILSAW product manager.

For bigger cutting jobs, Merit debuted the AWD-65HP-G, the first steerable all-wheel drive saw, with an innovative patent-pending design that provides superior control and ease of operation when cutting uphill, downhill, sideways on a grade, and radiuses. Merit also showed a new line of spark-ignited gas flat saws, ranging in power from 14hp to 87hp (10.4kW to 65kW).

All in all, time at World of Concrete 2017 was time well spent, even if the travel budget may get squeezed with another trip to Las Vegas in just a few months. But concrete contractors who want to be in the know and up to date with their equipment needs will find the investment well worth it.

And they'll be wise to circle the week of January 22, 2018, on their calendars (or smartphones, or whatever), as that's when World



of Concrete will return. According to the show's organizers, 73% of 2017's exhibitors have already booked space at the show, which will have the start of the construction exhibition season all to itself.

www.worldofconcrete.com



GSSI Now Offers LineTrac XT Accessory for StructureScan Mini XT to Detect AC Power and RF Energy in Conduits

GSSI, the world's leading manufacturer of ground penetrating radar (GPR) equipment, announces the availability of LineTrac™ XT, an accessory to the StructureScan Mini XT. The combination of the StructureScan Mini XT and LineTrac XT helps concrete professionals locate specific power sources in concrete, including AC power and induced RF energy present in conduits. The new LineTrac XT accessory combines radar data with a magnetometer, deliv-

ering accurate, dependable, and repeatable performance.



LineTrac XT includes a number of features that make it easy to identify target utilities, including easy integration with StructureScan Mini XT, seamless data fusion with GPR data, a 50/60 Hz electro-magnetic sensor used to locate powered conduits, and a rugged, IP-65 rated enclosure.

LineTrac XT detects extremely low amplitude AC signals associated with difficult to locate conduits. The LineTrac XT accessory complies with all applicable FCC, RSS, RoHS, and CE requirements. It can operate in temperatures ranging from 14°F to 122°F (20°C to 40°C).

The StructureScan Mini XT now comes equipped with the LineTrac XT software package. Users simply insert the LineTrac XT into the front accessory port, select the LineTrac XT module, and choose between 50 Hz or 60 Hz.



www.gssi.com

Look For Honda at Conexpo

The Honda Engines team will showcase a number of products at Conexpo booth #S84834, including the new Cyclone Air Cleaner, available soon on the Honda GX160, GX200, GX270, and GX390 engine models. With a smaller footprint and a more compact design than the legacy cleaner it replaces, the Cyclone Air Cleaner fits within the overall engine shape. The smaller design specifically targets OEM applications where engine dimensions are critical. The new Cyclone Air Cleaner offers the same superior filtration efficiency with a triple-cleaning chamber that is particularly useful in commercial applications where power equipment operates in extremely dusty conditions.



Also on display will be the Honda GXR120 general purpose engine, a model uniquely developed as an ideal source of power for rammers. Offered as a second power option to the reliable GX100 engine, the GXR120 engine is designed to

provide superb durability and reliability for heavy-duty applications.

The Honda GXR120 is capable of meeting the high demands that rammers require of the engine, frame and operator. With a displacement of 121 cc, the engine can appropriately power 110-lb to 175-lb (50kg to 79kg) rammers at multiple altitudes with ease.

Additionally, a special cast-iron cylinder sleeve and a high carbon-steel, dual-ball bearing crankshaft provide increased engine strength for rammer applications. To further enhance engine durability, incorporation of steel in the design makes the recoil starter and fan cover of the GXR120 robust.

GX Pressure Washer Optimized Commercial Series engines make their debut in 2017 and will be a Conexpo highlight. These engines were specifically designed for direct-drive pressure washer applications, while the Optimized series is available with Honda GX160, GX200, GX270, and GX390



engines. The model lineup delivers Honda's smooth and reliable power, maximized engine performance at wide-open throttle and increased power output in the GX200 and GX390 series engines. A new feature for the Optimized engines is a fixed throttle which enables superior performance and is appreciated by the rental market.

www.hondanews.com

JVCKENWOOD Introduces New ProTalk® TK-3230DX Two-Way Radio

JVCKENWOOD extends its comprehensive line-up of KENWOOD ProTalk branded radios with the new TK-3230DX portable, updating the iconic TK-3230 with a new design and expanded features.

The ergonomic design makes of the TK-3230DX is more comfortable to hold. The UHF radio adds 35 more pre-stored frequencies, for a total of 99, and increases privacy (QT/DQT) codes to 207. Users can now select a DQ or DQT tone for each channel at power-on, making the TK-3230DX more compatible with multiple team use. Increased ruggedizing makes the radio compliant with the military standard (MIL-STD) G as well as C, D, E, and F. A new rapid rate charger, the DSC-37S, that conforms to California Energy Commission (CEC) requirements, is being released at the same time as the TK-3230DX.



The TK-3230DX is rated at 1.5W, has six pre-set channels, FleetSync® capability, busy channel lock-out, and companding for enhanced audio. It also meets IP52 standards, has a 10-call alert, and is lightweight, at only 5.5 oz (156g). Each TK-3230DX is ready to use, right out of the box, with antenna, high-capacity lithium-ion battery, belt clip, and charger.

www.kenwood.com/usa

E-Z Drill Releases Dust Collection Cart for Handheld Drills

E-Z Drill, Inc., has launched a Dust Collection Cart that can be used with handheld drills. The system uses the same technology as E-Z Drill's concrete dowel drill Dust Collection System. The new Dust Collection Cart meets all engineering and control methods outlined in the OSHA Table 1 requirements for crystalline silica exposure, giving contractors peace of mind on any size project.

"Operator safety and comfort are the hallmarks of our business," said Rick Walstad, E-Z Drill president and CEO. "We're happy we can deliver those benefits to the handheld drill mar-

ket." The Dust Collection Cart gives contractors who use handheld drills an effective way to meet OSHA dust requirements. Operators also benefit from enhanced ease of use when moving the drill — they can simply set the drill on the cart and go. The dust cart collection system weighs 215 lb (97.5kg) and uses the same air compressor as the drill, requiring just 40 additional cfm for operation. It effectively collects dust directly from the drilled holes and stores it in a collector. E-Z Drill designed the cart with 20 ft (6m) of 2-in (50.8mm) dust collection hose and a shroud that goes around the bit to ensure the dust is collected at the point of drilling, maximizing the amount of dust the system captures and reducing operator exposure. It also enhances overall jobsite safety by preventing respirator issues on the job. The cart features two 23.6-in (600mm) filters to effectively trap dust particles.

www.ezdrill.com



New LS20 Indicator for Weigh-In-Motion Axle Scales Automates Weighing

Intercomp announces new updates for its LS- WIM Weigh-in-Motion Axle Scale Systems—a new purpose-built LS20™ indicator. The LS20 features an easy-to-read LCD display and intuitive keypad design, and can be mounted where it allows drivers to enter and save 250 unique truck IDs complete with tare weights, individual axle weights, and total gross weight. Internal memory stores up to 1,500 weigh records and the data can be exported via a USB drive or RS232 serial output, creating a complete, automated weigh station.

LS-WIM Axle Scales have been successfully used around the world for more than 10 years. They feature NTEP certified strain gauge load cell technology; the same type of load cells used in full length truck scales, but require a much smaller footprint and are far more cost effective to purchase, maintain and install. Additionally, these compact, American-made axle scale systems feature a removable deck for ease of maintenance.

www.intercompcompany.com





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Atlas Copco Expands BC Bucket Crusher Range

At Bauma 2016 Atlas Copco launched its next game-changing generation of bucket crushers, BC 2500 and BC 3700, robust attachments offering up to 30% higher output with significantly less maintenance. More good news for contractors is that two more models have been added—BC 2100 and BC 5300. Thus the BC range now includes bucket crushers with service weights of 4,400-11,685 lb (2,000-5,300 kg), suitable for carriers weighing 18-54 tons.

High resistance to wear and fatigue, combined with greater reliability, make the new BC bucket crusher one of the best pieces of equipment in its class. They are an efficient alternative to a mobile jaw crusher for small demolition, recycling, and road construction applications, offering offer a high level of flexibility in terms of operating reach, depending on the mobility of the carrier.

A unique circular crushing cycle gives BC bucket crushers in the next generation unmatched performance with up to 30% higher output than previous models. The advanced twin-drive system comprises two powerful hydraulic motors. The sturdy timing

belt is designed for long service life and the system provides huge torque right from the start. Full loading capacity can be used without risk of blockages and the absence of slippage during start-up ensures constant power transmission and no extra load on the bearings.

Two useful features on the new BC bucket crusher provide stable productivity. The automatic anti-lock mechanism gives continuous repositioning of the material, ensuring that even larger pieces are guided automatically in the direction of the crushing jaw. If the material gets jammed, the reversing function enables the operator to change the rotation direction, push the material back into the inlet and thus easily remove the blockage.

When adjusting the crushing size (granulometry) on the new BC bucket crushers, intuitive functionality eliminates the need for long experience or special craftsmanship. In very little time, the user can adjust the required jaw outlet correctly without special tools.

www.atlascopco.com

Introducing the MERIT AWD-65HP-G All-Wheel Drive Saw



Meet the Brokk 120 Diesel Mark 2

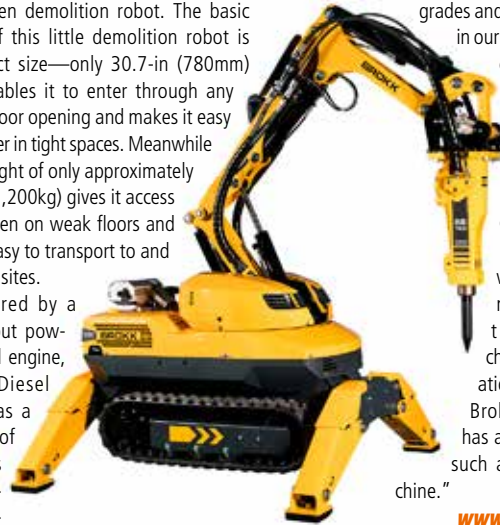
Brokk, the world's leading manufacturer of remote-controlled demolition machines, announces the new updated Brokk 120 Diesel Mark 2—the world's smallest diesel-driven demolition robot. The basic concept of this little demolition robot is its compact size—only 30.7-in (780mm) wide—enables it to enter through any standard door opening and makes it easy to maneuver in tight spaces. Meanwhile its low weight of only approximately 2,646 lb (1,200kg) gives it access to work even on weak floors and makes it easy to transport to and from work sites.

Powered by a compact but powerful diesel engine, the 120 Diesel Mark 2 has a minimum of eight hours of operation without refueling, making it truly independent from any power source for at least a full work shift. And all this flexibility comes without sacrificing any of the power and performance of its similar-sized electrical siblings.

The Brokk 120 Diesel Mark 2 is designed for use in a variety of applications. In the construction industry there is a use of the flexibility of easy movement and relocation of the machine between work sites. In the process and underground industries there are areas where the use of a power cable

could be an obstacle or where the needed electrical power simply isn't available.

"The Brokk 120 Diesel Mark 2 highlights our commitment to bring upgrades and improvements in our products to our customers at an industry-leading pace," says Martin Krupicka, CEO of Brokk Group. "The Mark 2 version will bring even more productivity to the challenging situations where the Brokk 120 Diesel has already become such a popular machine."



www.brokk.com

Key technical data

- **Dimensions (complete machine)**
- **Width: 780 mm**
- **Length: 2030 mm**
- **Height: 1250 mm**
- **Weight: 1230 kg**
- **Oil flow: 50 litres/min**
- **Motor: 18,5 kW diesel (EPA Tier 4, EU Stage IV)**
- **Transport speed: 3,2 km/h**
- **Attachments: Atlas Copco SB152, Darda CC340, Brokk G50 and more**

Brokk 120 Diesel Mark 2 with a SB 152 breaker.



Merit Engineering and Equipment Company announces the addition of the AWD-65HP-G to its ever-growing product line. The AWD is the first steerable all-wheel drive saw on the market with an innovative patent-pending design that provides superior control and ease of operation when cutting uphill, downhill, sideways on a grade, and radiuses.

The AWD-65HP-G debuted at the

World of Concrete along with a new, full line of spark-ignited gas flat saws. These models are a great option for meeting all EPA and Carb emissions requirements while maintaining horsepower, torque and performance. Merit's seven spark-ignited saws range in power from 14 hp to 87hp (18kW to 105kW).

www.meritsaw.com



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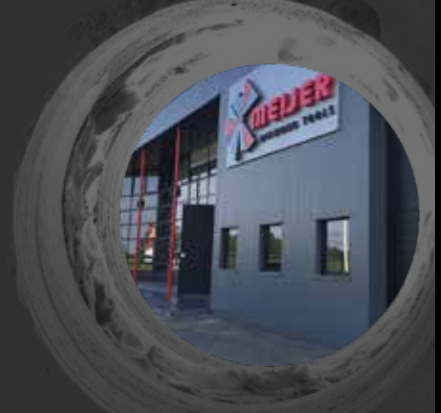
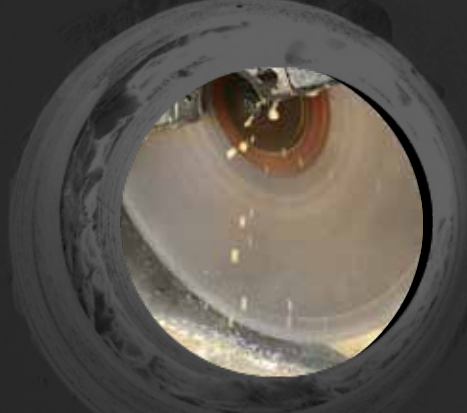
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News From Bro



During last year two manufacturers has released new demolition robots on the market, Brokk and Top Tec. Brokk has launched three new demolition robots to mark its 40th anniversary, while Top Tec has added a new electric remotely controlled demolition robot. Mikael Karlsson reports.

Brokk 110, 120 and 280

Brokk recently introduced the remotely controlled dem-

olition robot Brokk 110 at the demolition show Demcon in Stockholm, Sweden. The new Brokk 110 delivers 15% more power than the Brokk 100, and 50% more power than the Brokk 90. At the same time, the Brokk 110 retains the compact format of the Brokk 100, making it exceptionally versatile in restricted spaces. It folds up into a compact package that easily can climb stairs or fit into an elevator. And with a weight below 1t, the Brokk 110 is the perfect machine for use on floors with a low load bearing capacity.

The Brokk 110 is equipped with the Brokk SmartPower™ electrical system, which optimizes performance based on factors, such as the quality of the power supply and the environment. The new system was designed from scratch for the extreme work environments of Brokk machines to complement reliability and ease of servicing. SmartPower™ makes it possible to run the machine on lower quality power supply and provides increased availability of the machine over its life.

The Brokk 110 also has some protective elements, such as headlight protections for the LED headlights. There is also added protection in the paint choice, where the new roughened grey color adds an additional level of resistance to scratches that makes it last longer. Every part, every detail, and every function is designed to take a pounding so that the robot can keep on delivering on site.

Earlier in the year, Brokk launched the new Brokk 280 and Brokk 120 Diesel, the world's smallest diesel-driven demolition robot. The new Brokk 280 has a reach of 20 ft (6.2m) and weighs 3.15t. It also features 20% increased demolition performance over its predecessor.

The Brokk 120 Diesel is compact and only 30.7 in

(780mm) wide. This enables it to pass through any standard door opening and makes it easy to manoeuvre in tight spaces. Meanwhile its low weight of about 1.2t gives it access to work even on weak floors and makes it easy to transport to site.

The introduction of three new machines during 2016 has marked Brokk's 40th anniversary. The company has delivered more than 7,000 demolition robots worldwide.

www.brokk.com

Top Tec 1500E

Top Tec Spezialmaschinen also launched the new electric remotely controlled demolition robot, the Top Tec 1500E, which is the smallest robot in the company's product range.

The new machine weighs 1.6t has a



Brokk and Top Tec

height in the driving position of 4 ft (1.19m), maximum width of 4.1 ft (1.25m), and can drive through tunnels and openings up to 4.6 ft (1.42m) in diameter.

The undercarriage has four separate outriggers with rubber shoes. The three-part arm and the quick-coupler allow the use of all conceivable tools.

The Top Tec 1500 E has a power of 20 hp (15kW) and can carry tools up to 441 lbs (200kg). The weight is approximately 1.75t, and the support beams can be shortened to only 30.7 in (780mm).

www.toptec-germany.de

Picture to the left:
Top Tec Spezialmaschinen launched the electric remotely controlled demolition robot, Top Tec 1500E, at Bauma.

Brokk 280 features a reach of 6.2m and a weight of 3.15t. It also features 20% increased demolition performance over its predecessor.



Brokk's newest model, Brokk 110.



Brokk 110 delivers 15% more power than the popular Brokk 100 and 50% more power than the Brokk 90.

Brokk 120 Diesel is the world's smallest diesel-driven demolition robot.



New Klindex Expander 530 Propane Grinder/ Polisher released

The Klindex Expander 530 grinding and polishing machine with patented geared mono-rotating planetary system combines performance and reliability with the flexibility of propane power. The Expander 530 allows freedom from generators or power cables, with a working section of 21 in (530mm), providing high productivity and constant performance. The machine is light and easy to maneuver, making it ideal for wet or dry grinding anywhere. Other features include a tempered steel gear transmission and 12-gal (46 litre) water tank.

www.klindex-america.com



Keestrack Will Be at Conexpo-Con/Agg 2017

Keestrack, the global specialist for mobile crushing and screening equipment takes Conexpo-Con/Agg 2017 as a perfect opportunity to strengthen its position on the American markets and to present highly flexible solutions for contractors in the recycling and aggregates industry. International product experts at booth C33043 will focus on the latest technical innovations and provide expert information on the expanding Keestrack range of machines

Keestrack America was founded ten years ago to support the expanding dealer network on the North American markets. The company recently opened a new facility in Dallas that focuses on after-sales and parts activities. The company's large experience in the respective sectors on major European markets is reflected through a plant portfolio with highly mobile and flexible solutions, which also perfectly responds to the requirements of the growing rental business.

Keestrack's technology is characterized by the high mobility between and on sites, its ease of operation to guarantee economic efficiency, uncompromised end product quality. The company is also focusing on state-of-the-art drive technologies and sophisticated processing concepts.

Another important field is the consequent use of modern communication technology for remote plant control and maintenance management with the telematics tool Keestrack-er. Perfectly adapted on processing environments, the GPS-supported monitoring system provides real-time machine status information, and offers a large set of valuable data for optimized operations.

Highlighting this integral approach on Conexpo-Con/Agg will be the new H4 tracked cone crusher. The light and compact plant features the KT-H4 cone crusher, adapted and supplied by a world-leading cone specialist. The fully automated unit produces up to 250 tons/hour at maximum feed sizes of 7 in (178mm). The wide variety of concaves allows a high flexibility in secondary or tertiary production of highly defined end fractions.

To optimize production the plant can be optionally equipped with a pre-screen with fines chute and – as a world's first – with a highly efficient three-deck secondary screen module with recycling conveyor for closed-circuit processing. A big feeder volume, large screening areas and high stockpile capacities allow very productive operations as in-line or stand-alone unit.

The Keestrack H4 features a hybrid diesel-electric drive concept for economic fuel consumption, and ease of maintenance through the wide use of electric motors on screens and conveyors. The recently intro-



duced full-hybrid version H4e even allows full electric operation through mains or an external gen set. An additional electric motor/hydro pump then supplies the hydraulic driven feeder, the secondary screen module, tracks, and all hydraulic cylinders.

At Conexpo KEESTRACK also display the 33t R3 tracked impactor, the smallest unit of its impactor range, and the 55t R5. Both machines feature active pre-screening and will be shown with full optional equipment, which includes magnetic separators, fines conveyors, and secondary screen modules with closed-circuit operation.

Both direct-driven crushing units are characterized through large and heavy ro-

tors, which guarantee high crushing energy combined with smooth running. Large inlet openings and efficient overload protection systems ensure productive operation in typical recycling applications without cost-intensive pre-sorting or pulverizing.

The machines also feature diesel-hydraulic drives with modern load sensing hydraulics. As with the larger R6, the R5 can also be equipped with a hybrid diesel-electric drive. A 150 kVA on-board gen set then supplies the electric drives for conveyors and screen modules, offering important fuel saving potentials up to 25% compared with the diesel-hydraulic version.

www.kestrack.com

Meet a True "Brokk Star"

Throughout history, early adopters who take the risk to use innovative technologies and techniques are often the most successful. It's a big reason Herb Duane is a "Brokk Star." Well known in the world demolition industry, Duane was one of the first users of Brokk remote-controlled demolition machines in the U.S.

Duane's first encounter with Brokk machines came in 1988. A Brokk representative visited Duane's Boston jobsite to demonstrate the power and productivity-boosting qualities of a Brokk 250. The machine made quick work of the concrete shipway Duane's crew was demolishing.

"I was very impressed," Duane said. "I expected the work to take us a week using jackhammers. This guy came in and used a Brokk machine to complete the entire thing in two hours. The productivity was unbelievable. I knew I had to have one."

He bought the B250 complete with a trailer and a generator on the spot.

His business — the Duane Corporation — thrived as a result of the Brokk machine, and it didn't take long for him

to start buying more. Duane said the units paid for themselves quickly, which eliminated the need for financing. At his peak, he owned 18 Brokk 150s and 250s that he used for his own projects and also rented out with an operator to service projects up and down the East Coast.

Duane expanded his

business into the process industry, where the Brokk units made light work out of removing refractory. He also took advantage of opportunities in nuclear applications where the remote control and added options allowed his workers to stay safely away while dealing with radioactive materials.

The Brokk units aided Duane's success in some major underground projects in Boston including the "Big Dig" Central Artery Tunnel Project. The project involved rerouting the city's main highways into a tunnel in the heart of Boston.

The safety of the Brokk units likely saved the life of one of Duane's crew. He recalls a job where an operator used a Brokk machine's belt-mounted remote-control box to direct the unit while demolishing a concrete balcony. The structure unexpectedly collapsed, tumbling 30 ft (10m) to the ground and bringing the machine with it. The worker, who was standing a safe distance away, was stunned but unscathed.

"He just watched it happen," Duane said. "Having to buy a new machine isn't fun, but it's much better than having a worker hurt or killed."

After more than 60 years as a demolition contractor, Duane now travels the world as a demolition consultant. He also writes a demolition industry newsletter, DEMO/MEMO, that he distributes online. He and his son, who is still in the business, recommend Brokk whenever and wherever they can.



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GIVE 'EM A HAND!

The latest in handheld tools for concrete construction and demolition work emphasize comfort and boosted battery power.

Philosopher Marshal McLuhan once observed that “we shape our tools, then our tools shape us.” If the quality of the latest iteration of handheld products for concrete work is any indication, the industry’s contractors are in pretty good shape (figuratively speaking, at least). Gone are the days of noisy, dusty, vibration-heavy tools that were uncomfortable to handle, hard to maintain (if at all), and often limited work to the length of whatever extension cord was available. Today’s products, on the other hand, are designed with comfort in mind and, in many cases, boast high-capacity batteries that last longer than ever, then recharge in the blink of an electron. And with the new U.S. silica dust control standard set to take effect this year, many tools produced for the North American market now mirror their overseas counterparts, with easy adaptability to a variety of systems that make for cleaner, healthier workplaces.

Yet the essence of handheld tools remains their reliable go-anywhere versatility. Whether setting up for an extended series of drills and cuts, or doing touch up work, contractors like to know what to expect when they reach for that device and

flip the on switch. Judging by the product descriptions below, they’re getting a lot more than ever before. Which means, in turn, that they’ll be getting a lot more done too.

SKILSAW Introduces First Worm Drive Saw Specifically for Concrete

SKILSAW, the leader in wood-cutting saws for more than 90 years, has created MEDUSAW™, world’s first fully integrated worm drive saw designed to score and cut concrete. Until now, users had to create their own tool workarounds to score concrete by modifying a worm drive saw with costly third-party or homemade attachments, and the results were less than ideal.

MEDUSAW features a Cut-Ready™ adjustable plunge lock that allows users to quickly and accurately set and make consistent plunge cuts. The saw also has an integrated rolling foot plate with rubber wheels that helps users move it smoothly across hard surfaces, and rust-resistant brackets and fasteners to protect against corrosion. MEDUSAW also features a retractable front pointer to accurately guide the saw along the cut line and retracts for tight spaces. SKILSAW engineered this saw with an integrated wet/dry dust management system to control dust, allowing for cleaner cuts, and GFCI protection. Users don’t need a second person to hold a vacuum or water hose to collect the dust. MEDUSAW comes equipped with an onboard multi-function wrench, making it easy for users to change their blades, oil, brushes, water feed attachment, and wheels.

Hilti Debuts 22V Battery Technology

Hilti’s expanded cordless portfolio of solutions and services underwent major upgrade with the introduction of the company’s new 22V CPC Li-ion Batteries, the industry’s first and only backwards compatible battery technology in the industry. Twenty-two volts means up 20% more work per charge, depending on application, insert, user and temperature than Hilti 18V batteries, and up to 50% more than competitive 18V/5Ah solutions. Along with designing the 22V batteries to work with Hilti’s entire range of 18V handheld tools, the firm has introducing several new cordless products tailor-made for the new technology.

The new SF 6H-A22 ATC hammer drill/driver offers best-in-class performance-to-size ratio, and is the first cordless drill to incorporate Active Torque Control (ATC) for greater operator control. The ATC senses and reduces potential kickback



The logo features a stylized globe with a grid of latitude and longitude lines. A crane hook is positioned at the top of the globe, as if lifting it. The globe is set against a background of a blue sky with a grid pattern, suggesting a global or infrastructure theme.

DEMCON 2018

September 27-28, 2018
InfraCity, Stockholm,
Sweden

www.demcon.se



by shutting off the tool if the housing begins to rotate too quickly, helping to keep the operator safer and on the job. The SF 6H-A22 ATC is built using all-metal gearing for excellent high-torque performance in a variety of applications and materials including wood, metal, masonry, and aerated concrete. It's two gear settings delivers a 480 rpm no-load speed in Gear 1, and 1,600 rpm no-load speed in Gear 2. The SF 6H-A22 ATC also has a hammering frequency of 28,800 bpm.

Hilti's SID 4-A22 impact driver has been redesigned for better performance in tight spaces. Hilti has streamlined the SID 4-A22 with a new handle and trigger shape that gives more control and improved precision in screw fastening applications. Four ultra-bright LEDs positioned around the front of the tool provide improved illumination of base material, while a stab-style 1/4-in (6.35mm) hex shank chuck makes for fast insert changes.

Finally, the SF 10W-A22 ATC drill/driver delivers corded performance in a cordless tool and also features ATC. This cordless drill can drill up to 6-in (152.4mm) holes in multiple layers of wood, and features four gears for drilling in metal and other base materials. The ultra-high torque low gear offers 1,062 lb in (120Nm) of torque and allows the drill to perform as well as corded drill in demanding applications. All three of the new 22V tools are compatible with Hilti's 18V batteries.



Meet Bosch's New Tough Drill/Drivers

When the job calls for more power and maximum reliability, professional users can't miss with Bosch's latest 18V 1/2-in (12.7mm) drill/driver and hammer drill/driver offerings. Both the DDH183 18V EC Brushless Brute Tough™ Drill/Driver and HDH183 18V EC Brushless Brute Tough™ Hammer Drill/Driver pack more features than their predecessors, including injury-mitigating KickBack Control and an improved ergonomic design. With both the DDH183 drill/driver and HDH183 hammer drill/driver delivering 663 lb in (75Nm) of torque at two speeds (0-2,100 rpm high speed; 0-480 rpm for high torque), professionals can pack serious power in a lightweight, cordless package.

That's why both Brute Tough models feature Bosch-exclusive KickBack Control, an integrated acceleration sensor that virtually stops the drill's rotation during bit bind-up situations. This feature helps reduce the risk of user injury. A new LED light shows when KickBack Control is activated or the tools overload protection is activated. In addition, the new drivers offer more than 25 precision clutch settings, which provide driving accuracy for reduced fastener and workpiece damage. Advanced user benefits continue with DDH183 and HDH183 power, which is driven by an efficient EC brushless motor that provides double the tool life of a standard motor, longer runtimes, and virtually no maintenance. The Brute Tough design also ensures a shorter head length and a lighter tool with no reduction in power. That's combined with an upgraded all-metal chuck that delivers durability and strong bit retention. The

Bosch-exclusive Durashield™ housing adds to overall tool durability for the toughest applications and jobsites.

In addition, improved handle geometry offers a comfortable grip throughout the workday.

The Bosch Flexible Power System is one of the most versatile Li-ion battery platforms available. The system offers complete compatibility by allowing 18V FatPack and SlimPack batteries to be used with any tool. Bosch 18V batteries also feature CoolPack technology, which offers a heat conductive housing to keep

batteries cooler for superior runtime and up to two-times longer life. All Bosch batteries provide cold weather

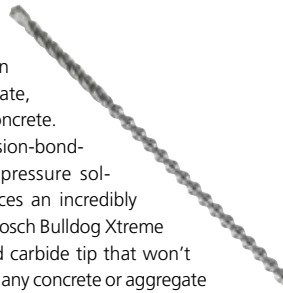
performance to -4° F (-20° C) as well as an integrated fuel gauge.

The tool includes Bosch-exclusive Electronic Cell Protection (ECP) that protects the battery against overload, overheating and deep discharge for longer life. Likewise, Bosch Electronic Motor Protection (EMP) protects the motor against overload with integrated temperature management.

Also from Bosch, new Bulldog Xtreme SDS-plus Rotary Hammer Bits

Bosch Bulldog™ Xtreme SDS-plus® Rotary Hammer Bits are now optimized for use with cordless power tools based on a robust two-flute design that ensures great speed in dust removal with less potential for binding. One thing that hasn't changed about the Bulldog Xtreme line is full-head carbide for bits up to 5/8-in (16mm) that delivers four times the drilling life in reinforced concrete, yet offers maximum drilling speed and precision. Advanced geometry ensures performance with less carbide wear. Larger-diameter bits feature a four-cutter design. The overall flute design of the bit enhances dust removal, reduces operating temperatures and reduces bit stress in concrete and rebar. Full-head carbide bits feature the Velocity flute design—four flutes that transition to two larger flutes for increased dust removal capacity and a cleaner hole. Bosch Bulldog Xtreme bits deliver performance in reinforced concrete or harsh aggregate, plus lightweight and normal weight concrete.

Bosch utilizes a proprietary diffusion-bonding technology, a high-heat, high-pressure solid-state welding process that produces an incredibly strong steel/carbide bond. This gives Bosch Bulldog Xtreme bits superior strength and a full-head carbide tip that won't break off when the work gets tough in any concrete or aggregate application. The centric conical tip guides the bit and results in rounder holes, which is important when setting anchors or fasteners. A wear mark alerts the user when the bit has worn to a level where it's no longer precise. Bit sizes for the full range extend from 3/16 in to 1-1/8 in (4.8mm to 28.6mm) in diameter. The bits will be available beginning in April 2017.



A New Combination Hammer Kit from DEWALT

The DCH481X2 60V Max Brushless 1-9/16 in (40mm) SDS Max Combination Hammer is a lightweight high-performance hammer that is powered by a DEWALT brushless motor and durable German engineered mechanism. The DCH481 delivers 4.5 lb ft (6.1J) of impact energy for fast drilling, even in the hardest concrete. The lightweight design makes it ideally suited for horizontal serial drilling for #4 to #8 rebar, dry coring, and chipping in any mid- to upper wall and ceiling application. DEWALT's patented E-Clutch® system provides enhanced control to the user in a bind-up situation and can help minimize sudden torque reaction compared to standard clutches. The Active Vibration Control® technology employed delivers reduced user vibration for less user fatigue and greater productivity. With its balanced design, SHOCKS® Active Vibration Control® technology and Extreme Run Time, the DCH481X2 is ideally suited for all day use, even in the hardest concrete.

Also from DEWALT, the new FLEXVOLT™ System

DEWALT's FLEXVOLT™ system features the world's first batteries that automatically change voltage when the user changes tools. The 6.0Ah and 9.0Ah models power the lineup of brushless 60V and 120V FLEXVOLT™ tools, and provide more than three times the battery power of a DEWALT 18V NiCad unit. FLEXVOLT™ batteries are backwards compatible with most existing DEWALT 20V tools and chargers. When used in DEWALT 20V tools, the 6.0Ah FLEXVOLT™ battery provides up to four times more runtime, depending on the application. The key to this technology is the ability of the FLEXVOLT™ batteries to switch



between DEWALT tools of varying voltages. Two FLEXVOLT™ batteries of same amp hour together power the new DEWALT 120V tools. This means that high power tool applications that previously could only be accomplished by corded tools, can now be performed with the DEWALT FLEXVOLT™ system of cordless tools. As a result of this advanced battery technology, jobsites can now fully transition from corded to the freedom of cordless. The new 60V MAX* FLEXVOLT™ brushless tools include a 7-1/4 in (184mm) Circular Saw (DCS575), 6-in (152mm) Grinder (DCG414), a Reciprocating Saw (DCS388), a 1/2-in (12.7mm) VSR Stud and Joist Drill (DCD460), and an 8.25-in (203mm) Table Saw (DCS7485). The new 120V MAX* FLEXVOLT™ tools are a 12-in (305mm) Fixed Head Compound Miter Saw (DHS716), and 12-in (305mm) Sliding Compound Miter Saw (DHS790).

Also capable of operating off of the FLEXVOLT™ battery platform are new 20V tools, including a Portable Power Station (DCB1800), Bluetooth® Radio Charger (DCR025), and Bluetooth® LED Area Light (DCL070). DEWALT's 20V Hammer Drill & Impact Driver Combination Kit (DCK299) will also be offered kitted with a 6.0Ah FLEXVOLT™ battery in addition to a 2.0Ah battery. In addition to the tools, FLEXVOLT™ High Efficiency Accessories™ are Engineered to Maximize Runtime™. This new line is optimized for use with cordless power tools and is engineered to deliver more cuts or holes per charge than standard DEWALT accessories. Each FLEXVOLT™ tool comes with the standard DEWALT three-year limited warranty, one year free service, and 90-day money-back guarantee. The FLEXVOLT™ batteries come with a three-year limited warranty, three-year free service, and 90-day money-back guarantee.

Makita Delivers Cordless Rebar-Cutting Solution

Makita has delivered a cordless and spark-free cutting solution for rebar and steel rod with the model XCS01Z 18V LXT Li-ion Cordless Rebar Cutter. The XCS01Z has a cutting range of 1/8-in to 3/4-in (3.2mm to 19mm). For added convenience the cutting head that rotates a full 360 degrees. The long-lasting cutting blade provides up to 4,000 cuts before requiring replacement. It is an ideal solution for work away from a power source or in remote locations. The XCS01Z is part of Makita's expanding 18V Li-ion system, the world's largest cordless tool system powered by an 18V Li-ion slide-style batteries. Makita 18V Li-ion batteries have the fastest charge times in their categories, so they spend more time working and less time sitting on the charger. Added features include an adjustable stopper holds the rebar at 90° to the cutting blade and assists in smooth cutting. The ergonomic pistol grip handle with rubberized soft grip provides increased comfort on the job. The XCS01Z is engineered for fast cutting, with a cutting speed of 6.5 seconds for all rebar sizes. It delivers up to 200 cuts of #3 3/8-in (9.5mm) rebar with a 3.0Ah LXT® battery, and up to 150 cuts of #4 1/2-in (12.7mm) rebar with a 3.0Ah LXT® battery. For extended run time and more cuts per charge, users can take advantage of the higher amp-hour Makita 18V batteries, including the 18V LXT 4.0Ah and 5.0Ah batteries.

Makita's 18V Rotary Hammer Delivers Corded Performance Without the Cord

Makita has delivered a cordless rotary hammer with corded performance in the 18V 1-in (25.4mm) model XRH05Z. Two 18V LXT® batteries power the XRH05Z, delivering the run time for corded demands without leaving the 18V platform. With 2.2 lb ft (3J) of impact energy and 4,800 bpm, the XRH05Z Rotary Hammer is engineered to meet the demands of corded 25.4mm drilling and hammering concrete applications without having to drag around a cord.

The XRH05Z Rotary Hammer delivers up to twice the drilling speed of 18V rotary hammers, with up to three times as many holes drilled. As with other members of Makita's broad line of rotary hammers, the XRH05Z includes three-mode operation, one-touch sliding chuck, and a torque limiting clutch engineered to prevent gear damage by automatically disengaging gears if the



bit binds. The XRH05Z also has LED battery indicators that show the charge level for each 18V battery (batteries sold separately). It has a vibration-absorbing handle, and a compact design at only 14-1/4 in (362mm) long that weighs only 11.3 lb (5.1kg).

Added features include an adjustable stopper that holds the rebar at 90° to the cutting blade, and assists in smooth cutting. The ergonomic pistol grip handle with rubberized soft grip provides increased comfort on the job. For improved tool performance and extended tool and battery life, all Makita Tools feature Star Protection Computer Controls™. This innovative communication technology allows the Star Protection-equipped tool and battery to exchange data in real time and monitor conditions during use to protect against overloading, over-discharging, and overheating. The XAG10M can also be powered by Makita's range of 18V LXT® Li-ion batteries with the Star symbol on the battery, including 2.0Ah, 3.0Ah, 4.0Ah, 5.0Ah, and 6.0Ah models.



Grinding

The global concrete floor grinding and polishing market is a bit diverse. Some markets are experiencing a strong upturn while others show a very modest increase. PDa's Jan Hermansson reports.

At press time, PDa learned that the Swedish manufacturer Scanmaskin Group, with annual sales of approximately US\$12.2 million, has been acquired by the investment company Indutrade. Scanmaskin will be a part of Indutrade's fluids and mechanical solutions business area, with Göte Mattsson serving as chairman.

Indutrade is an international industrial group that sells and develops high-tech components, systems and services. With a decentralized structure, Indutrade operates through nearly 200 subsidiaries with more than 5,000 employees in 27 countries across four continents. The operations are divided into six business areas—engineering and equipment, flow technology, fluids and mechanical solutions, industrial components, measurement and sensor technology, and special products.

"That Indutrade has acquired all shares in Scanmaskin is an excellent solution to secure the future development of the company," says Scanmaskin founder Claes-Göran Bergstrand. "We will also have a better situation and more muscles to develop new products, and grow our business."

Bergstrand adds that the change of ownership will benefit Scanmaskin's customers. "In terms of our organization things will go on as usual, as everyone in the company will remain in their positions," he says. "But I must admit that it was a strange feeling to realize that I am now just an employee after have founded the company, and been its owner together with my son for 30 years."

Europe is picking up still but led by the US

So what else is going on in the concrete floor grinding and polishing markets? PDa contacted several equipment manufacturers to gauge their reaction to the market situation.

"We actually have seen an increase with some 20% each year for several years in a row," says Superabrasive U.S. marketing manager Monika Angelova. "In those European countries where we have distributors, we have even seen a stronger growth. We see a lot of potential in Europe, and we are now building our brand there and it looks quite promising."

Due to the strong U.S. dollar, however, Superabrasive is experiencing slower growth in South America, Australia, and New Zealand. "We have very little presence in Africa, Asia, and Middle East," Angelova says. "The main obstacle in these markets is that the quality of the concrete in many cases is not suitable for polishing, and there is an abundance of cheaper equipment and tools."

Ercole Bibiano from the Italian manufacturer Klindex agrees.

"In North America and Australia, the concrete is much better and easier to treat or polish," he explains. "Our experience is also that polished concrete floors have become very popular in Europe, and the market has just started to open up. In the Eastern Europe and Far East Asia, concrete floors are very poor and not easy to polish. But what we are seeing are builders starting to be interested in polished concrete retrofit buildings with polished floors. Africa and South America are still very difficult when it comes to promoting polished concrete."

Europe delivers the biggest potential right now

Superabrasive and Klindex have similar views on the biggest potential markets in the next five years. Angelova says that Europe has the biggest potential, particularly Turkey.

"But when it comes to purely polishing we believe that the



a'GoGo

fastest growth will remain in the US," Angelova says. "In the U.S., the market is driven by the innovation and fast adoption of new and more efficient methods and technologies, particularly because the areas to polish are much bigger. The U.S. is also looking for more efficient flooring solutions, including maintenance. The contractors are also very eager to find more business, and more types of services to offer."

Bibiano emphasizes that the quality of the concrete floor does indeed play a key role. The better concrete floor to work with, the better the final polished product gets. That makes business is much better for everyone.

"The U.S. has the advantage that concrete floors are ideal for polished concrete," he says. "They already know the problem of the resin coating, which is why they like polished concrete. We think that Europe will be the first area where the polished concrete will grow in the short term."

Important features

What are the most important features that manufacturers consider for the future development of concrete floor grinding and polishing systems and diamond tools?

"I believe innovation is key now and also in the future," says Angelova. "For Superabrasive innovation means to make the process faster and easier. Also contractors increasingly want machines that are durable, easy to use and versatile so they can be used on different types of projects. They also want affordable and productive equipment that is simple for operators to run in order to minimize the risk of mistakes and downtime."

When it comes to tools, Angelova says contractors are looking for productivity and tool life in order to maximize their return on investment.

"But with so many choices, it is often a matter of trial and error," he says. "To avoid that, contractors are sticking to familiar brands they can rely on."

Floor preparation suitable for rental but not polishing

Bibiano believes there is potential for general polishing, but not so much in the rental industry.

"Polishing a concrete floor needs special knowledge and also special tools," he says. "I don't think many contractors will go to a rental company and rent the equipment. With floor preparation it is different. Maybe, we will see contractors renting polishing systems in the U.S. where contractors have more expertise with these things."

Superabrasive Europe representative Fredrik Andersson also sees little potential in renting polishing systems.

"But in floor preparation, I think there is a good potential for floor grinding machines and tools," he adds. "These machines are increasing in the rental companies' fleets every year."

Who will provide the service?

Which floor preparation and concrete floor polishing contrac-

tors are dominant, and will dominate in the future? Angelova says that it is mainly resin floor coating contractors, concrete contractors, and construction firms that want to expand their businesses.

"But we also see more and more cleaning companies that maintain commercial floors that are widening their services, and may also need to offer restoration as well," he adds.

Andersson agrees, but notes that there will also be an increasing interest in these services between concrete sawing and drilling contractors and demolition.

Bibiano believes that the biggest users are found among specialized flooring contractors. But there does seem to be a trend for concrete cutting, demolition, renovation, and flooring contractors to take up floor preparation and polishing. This is a strong trend in Scandinavia, as well as in Germany and the U.S. Many concrete cutting trade associations conduct special courses for their members to learn how to handle floor preparation and polishing machines.

Since PDA's last concrete floor preparation and polishing feature, the industry has witnessed a number of new machines and tools. Here are some examples.

Several new products from Superabrasive

Superabrasive recently introduced new propane-powered LAVINA grinders, including a 32-in (914mm), six-head propane grinder L32G-X; and a 38-in (965in) remote-controlled L38GR-X. Both models feature chain-driven forced planetary drive, a powerful Kawasaki FX921V engine, integrated weights, and adjustable grinding pressure. These propane machines require no electrical wiring or generators, and set up in no time.

At World of Concrete 2017, Superabrasive also launched a completely new LAVINA-X series of dust extractors, including one propane (V32G-X) and three electric models in different CFM and voltage options to suit any grinding project. All dust extractors are equipped with Hepa filters, and Longpac bagging system. Automatic Jet Pulse filter cleaning is also available on most models.

Superabrasive also introduced Trowel Shine, a new concrete polishing system that offers incredible productivity rates and minimal start-up cost. The system features rotating tool holder heads with flexible foam for an even tool wear and perfect balance. The Trowel Shine holders, offered in 10.63-inch and 14-inch (270mm and 355mm) sizes, have Velcro attachment for quick and easy tool changes with Superabrasive's high quality diamond pads.



www.superabrasive.us



Schwamborn Gerätebau Scores Top Points With New Remote-Controlled Grinder

Removal of layers, subsurface preparation, grinding, and polishing of floors have always been strenuous and fatiguing tasks. Up until now, building machinery weighing up to 1b (600kg) needed to be moved by pure muscle power over concrete, natural stone, and designer floors. With the latest innovation from its creative powerhouse in Wangen, Germany, Schwamborn ensures that the machine does the grinding, and that it can be positioned with astonishing accuracy by remote control.

When it comes to machinery for floor treatment, it is no longer enough to simply scarify, grind, trowel, or clean straight, level, and smooth surfaces. The variety of building materials used has also led to a growth in the demand for new solutions. Health protection requirements have further increased the demand for specific solutions for floor treatment and processing.

Eckart Schwamborn, the third-generation manager of the family-owned company says that with its more than 80 years of experience, continuous communication with customers and, of course, the ingenuity and inventiveness of our employees, Schwamborn doesn't simply embrace challenge.

"We regard ourselves as an innovation engine in this sector," he says. "We aim to offer a perfect solution for practically every detailed task in floor treatment and care."

The spectrum of solutions offered by Schwamborn ranges from the polishing of concrete surfaces and the removal of coatings with special tools to systems that make machines work faster and more efficient, last longer, and just simply easier.

A new milestone has now been reached with the introduction of the new remote-controlled DSM 800RC machine. Powered by a 20-hp (15kW) motor, the 31.5-in (800mm) DSM 800RC is the professional grinder with remote control for large surfaces that offers considerably enhanced operator comfort and a high level of productivity. The machine weighs 1,300 lb (590kg) and can provide grinding pressure of 353-595 lb (160-270kg).

The ETX Duo tool holder, a versatile selection of tools for the three in (270mm) heads, and clear display information ensure that surface quality is uniformly high, tool changes are more rapid, and permanent transparency of machine performance is achieved. The DSM 800RC can be used for subsurface preparation, the grinding and polishing of industrial natural stone and terrazzo floors, and the removal of coatings and fillers.

www.schwamborn.com

Several new products from Blastrac

Blastrac has launched a number of new machines. The Blastrac BG-250RS is a new single-head grinding machine for the preparation of concrete floors. With a 9.8 in (250mm) working width and a weight of 507 lb (230kg), it has enough power on the diamond tools to deliver perfect results. There is also a remote-controlled version. The BG-250RS has a program for automatic grinding.

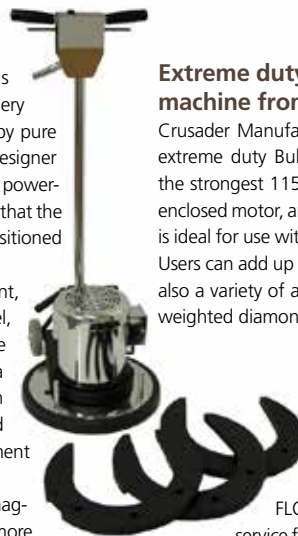
The company also has the Blastrac BMG-555 triple-head grinder, equipped with a planetary grinding system. With an ergonomic design and a handle locking system, the BMG-555 has been designed for the mid-size grinder market. It has some new features not found on other grinders in its class, like a bottle holder, extra protection of operating buttons, and storage for a Smartphone. The BMG-555 has a floating shroud with extra floor nozzle on the back for even better dust extraction and can be supplied in 220V or 400V.

Also new is the Blastrac BMP-4000 heavy duty ride-on sawing and pavement milling machine for large applications. The BMP-4000 is a multifunctional machine. By changing the hydraulic motor, the operator can swap from milling to sawing, and vice versa.

The new Blastrac vertical steel blaster 200VMB has a working width of 7.8 in (200mm). It is ideally suited for medium-sized

vertical steel cleaning jobs, and is remote-controlled for operator safety, comfort, and productivity.

www.blastrac.com



Extreme duty Bull floor machine from Crusader

Crusader Manufacturing, based in Farmington, Minn., has the extreme duty Bull floor machine. According to Crusader, it is the strongest 115V floor machine on the market, with a totally enclosed motor, an 11:1 gearbox, and solid steel coupler. The Bull is ideal for use with a scraper tool or a concrete preparation tool. Users can add up to three additional weights to the Bull. There is also a variety of accessories, such as the orbital diamond driver, weighted diamond pad driver, and rotary scraper.

www.crusadermfg.com

DRS-FLOOR by Dr. Schulze

The German drilling solutions manufacturer Dr. Schulze offers its flooring equipment from a single source under the trademark of DRS-FLOOR. The company offers 7-day/week customer service for all technical and commercial questions about any type of flooring projects. Engineers can provide suggestions for sequence of working, chemical application, methods for achieving the required floor quality, and project cost estimates.

In addition, there is a range of chemicals for transforming concrete to the high-performance industrial or commercial floor;



a range of materials for repairing of cracks, joints, and all other surface defects; machines for all types of floor processing; diamond tools for any application; and a range of dust collectors and separators. In 2016 Dr. Schulze launched its new shot blasting machines, the DSBM-250 and DSBM-400 with working widths of 9.8 in and 15.7 in (250mm and 400mm) respectively. Three smaller DSBM-250 suits smaller projects working up to 1,076 ft²/hour (100m²/hour). The larger DSBM-400 is for bigger projects, and has a daily output of more than 10,764 ft² (1,000m²).

Machines with working widths of more than 31.5 in (800mm) are also available. The triple-head planetary machine DBS-820-3H and 4 head planetary DBS-820-4H, are available in manual and remote-control versions. The top of Dr. Schulze's range of grinding machines is a ride-on DBS-820-4H A-LASER, with a laser control system enabling highest precision of the floor flatness.

In all its multi-head grinders, Dr. Schulze uses sealed oil-filled full-gear transmission, which is unique in the market. There are no Dr. Schulze's products with conventional belt drive. The company claims that none of the gearboxes of any of the machines sold in last four years has been opened for repair or maintenance. Besides the annual oil change, there is nothing else to do with these high-performance gearboxes.

For the processing of joints and cracks, Dr. Schulze offers the multi-purpose chaser DSC-200. Due to its flexibility and wide range of accessories, the DSC-200 is suitable for all repairing and construction jobs. All work with the machine can be done completely dry and dustless due to opposite direction of cutting tool rotation, and an effective dust collection outlet. The machine is available with 230V or 400V and Honda GX390 engine, allowing it to be used both indoors and at construction sites such as road projects.

www.drs-floor.com

General Equipment Company's SG12/E surface grinder

Designed for smaller-scale surface preparation and demolition projects, General Equipment Company's SG12/E single-head surface grinder offers high performance, durability and ease-of-use. It features a single rotating disc with a 12-in (305mm) working width for use on a variety of applications. The SG12/E includes a folding handle and the compact frame and wheel position allow for simple maneuvering. The steel frame includes an integral bail design for loading and unloading with a forklift. Extra capacity, self-aligning ball bearings, and a heavy-duty V-belt reduction drive system are standard, as is a 36-ft (11m) extension cord. A removable safety and dust shield surrounding the rotating disc



Members of the Klindex owner family, from the left grandpa Ercole Bibiano holding Mariachiara in the arms, Gabriella and Roberto Bibiano.

helps contain airborne dust and limits material contamination. The SG12/E includes the Quik-Stop motor switch that immediately stops the grinder's motor in the event the operator loses control of the machine. The SG12/E accommodates the same attachments available with General Equipment's larger, dual-head SG24 series of surface grinders. This includes grinding stones, scarifiers, wire brushes, the Scrape-R-Tach coating removal system, and the Dia-A-Tach diamond segment grinding system.

Klindex Triple K – three-head innovative single disc machine

Klindex's new Triple K is a single disc machine with oscillating heads and variable speed. It is suitable for beginners, and folds up quickly and easily to pass through standard interior doors. The Triple K is ideal for large areas, providing effortless crystallization thanks to adjustable and floor-touching wheels.

www.klindex.com



Grinders from MK Diamond Products

MK Diamond Products manufactures a complete line of single and double disc grinders and scarifiers. The MK-SDG single disc grinder is for smoothing rough areas and other surface irregularities, feathering patches, and cleaning industrial floors. The removable handles and nose weight provide for easy transportation and storage. A foot pedal raises the grinding discs for engine starting and idling. The MK-SDG is the only single disc grinder with a fully encapsulated grinding shroud with vacuum pick up. Powered by a Honda GXV340 engine the SDG-11 weighs 212 lb (96kg).

The MK-DDG dual disc grinder has two counter-rotating heads for a 22-in (559mm) grinding width. It can be used to level small areas of uneven joints or high spots. A T-grip handle provides easy handling and maneuvering. The dust shroud contains grinding debris, and the vacuum port allows for dust-free dry grinding. A water control valve is included for wet grinding. The MK-DDG has a two-position wheel carriage for grinding and easy transport.

Both grinders are for repairing damaged concrete slabs, removing urethanes, epoxy thin-coats, mastics, and paint build-up; leveling high spots or surface imperfections; and smoothing rough surfaces, rain marks, and trowel marks. There is a hard-bond grinding head for green concrete and asphalt, and a soft-bond grinding head for grinding cured concrete.

Dust control with MK Diamond IXL shroud

The MK Diamond IXL vacuum shroud, for concrete and surface grinding dust control utilizes the air velocity created by the rotating grinding wheel to channel dust away from the work surface. It is available in 7-in (178mm) or 5-in (127mm) diameter sizes.

The shroud's snail shape creates a higher centrifugal force that expels the dust particles away from the grinding cup wheel into the vacuum hood up port. This improves removal of particles, enhancing the grinding process. The shroud can be used with any dust containment system. They are easy to install and designed to fit the Dewalt, Milwaukee, Metabo, Hitachi, Bosch, and Makita grinders.

www.mkdiamond.com

American surface preparation expert expands to Europe

National Flooring Equipment, is expanding to Europe, delivering quality equipment backed by unparalleled customer service. NFE has an extensive product range including floor scrapers, grinders and polishers, burnishers, scarifiers, shot blasters, dust collectors, and carpet pullers. Its team can answer any questions about its equipment, parts, logistics and applications





and in-person training and support is offered to customers across Europe.

"NFE's products are different to most of those already on the European market, because we take pride in working with our customers to solve specific industry problems and continuously improve our offering," says NFE president Derek Olson. "Our commitment to innovation and customer service allowed us to evolve from a humble retail carpet supply center to a global company. In the 1970s we started designing and manufacturing our own tools and today we are one of the largest surface preparation equipment suppliers in the world."

Olson adds that NFE's innovative outlook attracted many European companies in search of powerful and durable surface preparation equipment for their construction and restoration projects. "Our manufacturing facility and team of industry experts allows us to fulfill these requirements and stay ahead of the game," he says.

NFE provides equipment to the UK, Ireland, France, Germany, Switzerland and Netherlands, as well as other European countries, using its network of distribution centers. The company's service centers are located in Liverpool, Dublin, Cologne, and Paris.

A big focus for NFE's efforts is its scraper range, which minimize the time and costs of floor removal for a vast range of projects. NFE's ride-on surface removal equipment includes its top selling machine, the 5700. This is an all day battery machine with hydraulic steering for easy maneuvering. Its consistent torque ensures higher removal rates and greater productivity. The 5700 will power through a day on a single charge, making it ideal for contractors dealing with complex health and safety legislation or working with short deadlines.

The walk-behind scrapers are ideal for residential and commercial applications. The 6280 Commander and 6280HD Gladiator are two of the most popular walk behind machines.

"New customers are always surprised by the wide range of surface preparation applications our products are suited for," says NFE marketing manager Connie Johnson. "We constantly work with our customers to find creative and innovative ways to upgrade or modify our machines to keep up with the evolving demands of the marketplace and lead the industry forward."

NFE's wide network of European distributors allows the company to support its products with in-person training for all



"We understand the importance of combining quality with customer service, so our sales representatives ensure customers have all the information and training they need before, during and after a purchase," Johnson says.

National Flooring Equipment Launches Optimized Planetary Grinder

National Flooring Equipment has launched Helix, a new planetary grinder optimized for ease of use and operator comfort. The Helix grinder combines easy transport, maneuverability and edge-grinding capabilities in an innovative, efficient and practical machine for small commercial or residential jobs.

Designed for small jobs and tough to reach spaces, the Helix is a 16-in (406mm) planetary grinder that creates the ideal profile for new coatings. The easy-to-use machine features an edge grinder, dual speed operation, an adjustable handle and a floating dust skirt for maximum efficiency.



The Helix has a handle designed to offer the operator a range of options. The user can detach the handle from the base, fold it into multiple positions and adjust its height for comfort on the job. This also means the machine is easy to store and transport. An LED incorporated into the handle allows the operator to assess the scratch pattern during the job, and ensure maximum efficiency.

Derek Olson, president of National Flooring Equipment says that while the majority of grinders are only able to reach within 1-2 inches (25-51 mm) of the wall, the Helix has a specifically designed edge grinding portion that means it can

reach within half an inch of the wall on the left or right side of the grinding head.

"This dramatically reduces the labor-intensive hand grinding needed to complete the job," Olson says.

The company also offers free bespoke training for customers to gain confidence in performing jobs quickly and effectively.

www.nationalequipment.com

Flooring equipment from Shanghai

Chinese manufacturer Shanghai Jiansong Industry is entering the global arena. The company was established in 2004 and manufactures floor grinders, floor scrubber buffers, diamond tools, and vacuum systems. Examples are the S650, S750, S850, and S950 grinders; the V7 high-speed dust extractor; C8 high-speed floor burnisher; and C5 floor scrubber.



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WALL SAW BLADE



FLOOR SAW BLADE

New
edition R



CORE BIT



and polishing solutions

US Saws' TC-7 Edger is a stand-up grinder weighing less than 48.5 lb (22kg) with a 7-in (178mm) dust shroud, and a variety of wheel types. Side-to-side and head pressure can be applied to control the movement of the grinding head. The company's VSG-10 is an up-right grinder and polisher combination. It has variable speeds ranging from 400revs/min to 1,500revs/min. It has a 9.8-inn (250mm) working path with a convertible polyurethane shroud. This machine uses fast-change diamonds, PCDs, and polishing pads. The adjustable weight can be lowered to increase the pressure of the grinding head. The VSG-10 runs on 115V, so there is no generator or panel wiring required. The TC-7 Edger and VSG-10 are ideal tools for grinding and polishing work in areas that are not accessible with larger, high-voltage machines.

www.ussaws.com

Luteus, the Future Hybrid Tool for Polishing, is Here

Scanmaskin has developed a new type of hybrid tool that works well for dry polishing of a number of different doors and coatings. It can be used for dry polishing of concrete and plaster products, and is also a good option when it comes to easier renovation of terrazzo floors. Customer tests have shown outstanding results. Comments have included "very easy to work with" and "works with so many types of jobs."

Luteus is very easy to use with all Scanmaskin machines, and offers good durability and flexibility. Luteus is available in 7, 8.2, and 9.4 in (180, 210, and 240 mm) sizes, and grit ranging from 50 to 3,000.

www.scanmaskin.com

Husqvarna Introduces New Dust and Slurry Management Line

Another big news in the industry is that Husqvarna Construction Equipment has acquired Pullman Ermator. The acquisition means that Husqvarna now considerably has increased their line of dust extractors and air cleaners. Husqvarna has always been committed to developing products that meet customers' needs and are efficient, ergonomic and user-friendly. That is why Husqvarna recently acquired Pullman Ermator, a world-leading manufacturer of dust and slurry management systems, for the construction industry.

"By integrating Pullman Ermator's market leading dust and slurry management technologies into Husqvarna's concrete cutting, drilling and grinding systems, we can provide even more efficient, total solutions," says Henric Andersson, President of Husqvarna Construction Products.

The acquisition was showcased at World of Concrete, with the introduction of 13 new dust and slurry management products for the Americas market. These include three-phase HEPA dust extractors and pre-separators for heavy jobs, wet/slurry vacuums, single-phase HEPA dust extractors, and portable HEPA air scrubbers. Husqvarna's new dust and slurry management system will be introduced in



stages on all markets during 2017.

"With these new products, we will be able to offer our customers even more efficient system solutions and a wider, more complete range of products and services," explains Joakim Leff-Hallstein, Global Product Manager – Floor Grinding & Polishing.

www.husqvarnacp.com
www.pullman-ermator.com

Duratiq New from End of Last Year

Another big news from end of last year worth mentioning again is HTC's release of Duratic. At WOC 2017 HTC showed its totally newly-developed floor grinder: DURATIQTTM. The machine is available in two grinding widths, 23.5 in and 31.5 in (600mm and 800mm). Both of the versions are completely new designs and are based on many years of intensive studies of the future needs of customers. Some of the 100 new features incorporated into DURATIQTTM are a newly-designed digital control panel and remote control that offer even new operators full control and easy handling. A new grinding head, hermetically sealed and dustproof for maximum reliability. It is compact, with robust chassis and designed for optimal maneuverability, handling and simple transport. It is equipped with enhanced

AirFlowTM technology and Mist Cooler System that increase productivity by up to 216% and dust collection by 100%.

Its simple-to-adjust weights, 20 different handle settings and 74% less vibration ensure significantly improved ergonomics.

www.duratiq.com



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Conjet "Nalta" Jetframe 101 Helps Prep Port



The Conjet Robot is positioned and ready to execute the removal down to 1.2 in (30mm).

removed. This meant that outside surface of the main beams, the crossbeam walls as well as the ceiling under the quays needed to be treated.

For the outside surfaces Waterjet Entreprenad AB chose to use the Conjet Robot 557 which could easily reach down with its sable boom system. The "Nalta" Jetframe 101 was used to treat the surface under the pier ceiling as well as the walls of the crossbeams. The choice was Nalta 101, as it was difficult to get any other equipment under the pier. A hand-lance helped workers reach spaces too narrow for even the Nalta 101. The high-pres-



Picture to the left: The Nalta 101 installed under the quay along one of the crossbeams.



Kapellskär is a port located approximately 50 miles (80km) north of Stockholm. A large number of trucks use the port as it shortens the time on the sea compare to use the port from city center in Stockholm. A large number of ferries bound for Finland dock here, making Kapellskär an important logistic piece in the infrastructure around Stockholm area. The

Under-up hydrodemolition with the Conjet Robot.

port is owned by Stockholms Hamn who realized the need for repair of the pier the ships dock towards in the port. So the contractor part of Stockholm Hamn, Stockholm hamntreprenad AB awarded the contract to Waterjet Entreprenad AB. The reason for the repair was that cathodic protection should be installed, so all of the surface cover, approximately 1.2in (30 mm), in the 4,351-5,076 psi (30-35 MPa) concrete, needed to be

sure water to the units was supplied by two high pressure pumps. For the Robot 557, Waterjet chose to use the Conjet Super Silenced pump 670 hp (500kW), 15,084 rated psi (1,040 bar) at 69 gal/min (262 l/min). For the Nalta 101, the choice was a 161 hp (120 kW) high pressure pump, rated 37,710 psi (2600 bar) at 6.3 gallons/min (24 l/min).

www.conjet.com

Atlas Copco Provides Energy to Iquitos City, Perú

Iquitos City, the largest metropolis in the Peruvian Amazon, is considered as an island and not connected to the Peruvian national grid. Situated in the heart of the Amazon rainforest, the city needs its own power grid to supply energy to its growing population.

The modular power plant, comprised of four QAC1250 generators from Atlas Copco, has been integrated with the city's current energy system. It plays a crucial role in providing the 15 MW of power that Atlas Copco's customer, Power Solutions, must produce according to its contract with Electro Oriente.

Modular power plants, which are also known as mobile IPPs (independent power plants), usually comprise of groups of small generators that are programmed to work in parallel with each other. Coordinated by a network of controllers, these plug-and-play generators can power up and down according to the on-site power requirements at a given time. Modular power plants are becoming increasingly attractive as the failure of a single unit is mitigated by other units increasing their output to maintain

the same power. By contrast, the failure of a large single generator could cause critical downtime.

The QAC1250 generators feature a new cooling concept that uses a variable-speed fan to create precisely as much cooling as is necessary without wasting a single watt on over-cooling. Ventilation is achieved using a system of radiators and ventilators housed in a special compartment designed exclusively by Atlas Copco.

The generator produces the lowest possible level of emissions. The QAC1250 saves approximately 3% fuel compared to its direct competitors, which is approximately 4 gal (15 litres) less fuel per operating hour, 95 gal (360 litres) less per day, and 2. lb (1 kg) less CO2 emitted into the atmosphere. The four generators installed in Iquitos will emit 1.5t less CO2 per year than the other generators installed at the thermal power plant.

In addition, the advanced cooling system of the QAC1250 adapts cooling to the needs of each region, which makes it ideal for even the toughest climates, including the hot and humid environment of the Amazonian-



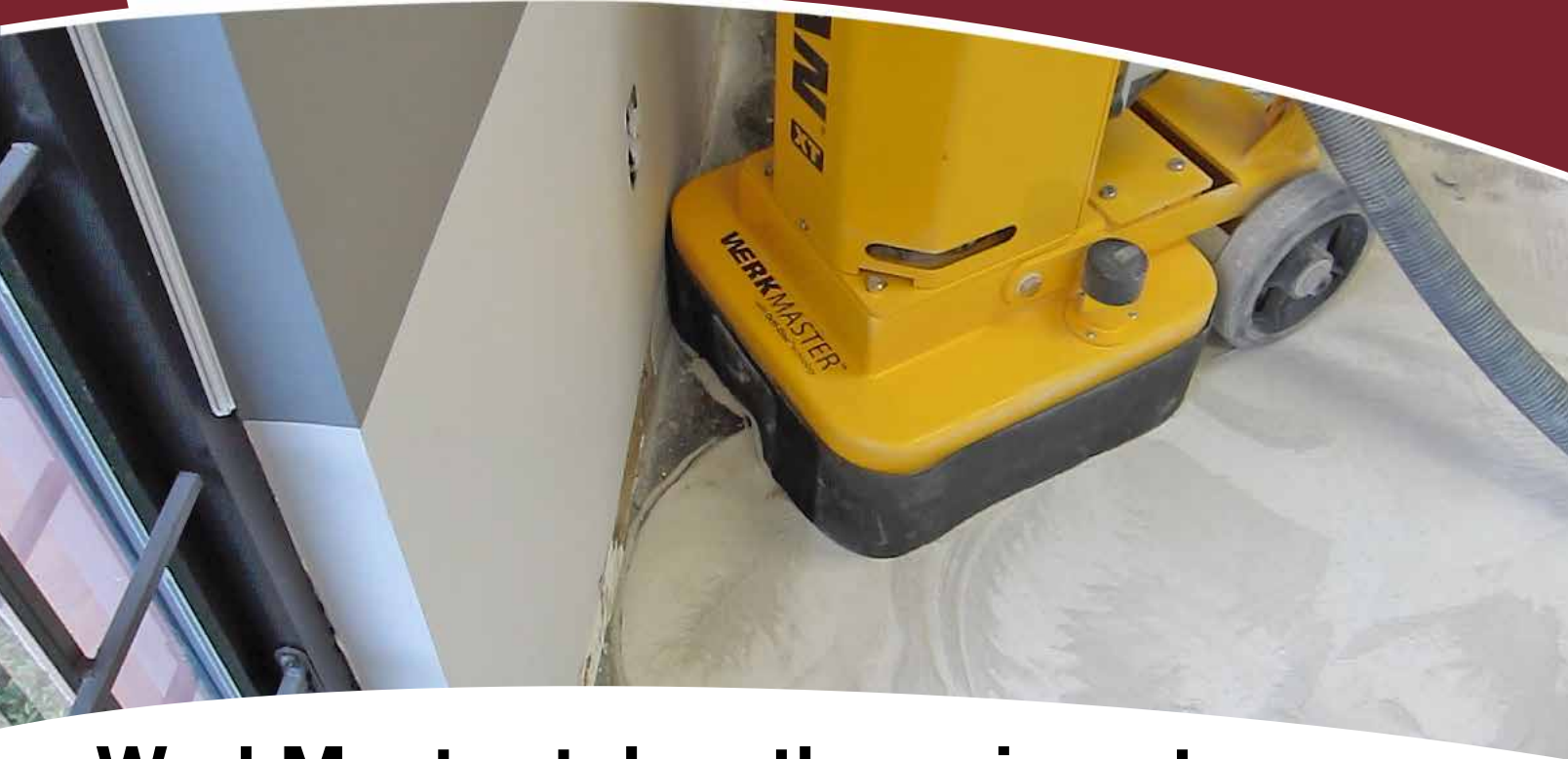
rainforest. The generator used in Iquitos' modular power plant features the Cummins motor and Leroy Somer alternator, and the Atlas Copco Qc4003 controller. This controller can synchronize up to 32 generators in parallel, in a simple and intuitive way for the user, using any of the Qc4003's modes of operation, such as Power Management System, Automatic Mains Failure, Fixed Power or Power Export to Mains.

The Atlas Copco's Modular Power Plant with four QAC1250 was installed in less

than two days, requiring only the installation of two portable transformers to raise the QAC1250 output voltage from 400V to the distribution voltage at the thermal power plant of 10.5kV.

Atlas Copco has previously installed its QAC1250 in regions with the most stringent climatic demands such as the Amazon rainforest of French Guiana, the deserts of Arabia and Algeria, and the cold steppes of Siberia in Russia.

www.atlascopco.com



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